Central Florida Water Initiative

APPENDICES DRAFT FINAL





REGIONAL WATER SUPPLY PLAN

2025

A comprehensive plan for all of Orange, Osceola, Seminole, and Polk counties and southern Lake County







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This document is the Draft Final 2025 Central Florida Water Initiative (CFWI) Regional Water Supply Plan (RWSP), Appendices. The St. Johns River Water Management District (SJRWMD), South Florida Water Management District (SFWMD), and Southwest Florida Water Management District (SWFWMD) (collectively referred to as the Districts) staff worked together and in conjunction with members of various CFWI technical staff and other stakeholders to generate this 2025 CFWI RWSP. Section 373.709, Florida Statutes, details the components of regional water supply plans.

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DRAFT FINAL

Table of Contents

Acknowledgments v

Table of Contents iii

List of Tables vii

List of Figures xiii

Acronyms and Abbreviations xvii

APPENDIX A - POPULATION AND WATER DEMAND PROJECTIONS A-1

Introduction A-1

Background and Water Use Categories A-1

Methodology A-3

Data and Information Sources A-3

Public Supply and Domestic Self-supply and Small Public Supply Systems Population Estimates and Projections A-3

Public Supply Water Demand A-4

Domestic Self-supply and Small Public Supply Systems Water Demand A-6

Agricultural Water Demand A-7

Landscape / Recreational Water Demand A-8

Commercial / Industrial / Institutional Water Demand A-9

Power Generation Water Demand A-10

2045 Reclaimed Water Projection A-11

Population and Water Demand Projections for Areas Outside of the Central Florida Water Initiative Planning Area A-13

Review of Population and Water Demand Projections A-13

Summary of Population and Water Demand Projections A-13

Summary of Tables A-1 through A-13 ..... A-14

References A-19

APPENDIX B - WATER CONSERVATION B-1

Introduction B-1

Methodology B-1

Public Supply - Passive Water Conservation Savings B-1

Public Supply - Active Water Conservation B-3

Agriculture B-4

DRAFT FINAL

Domestic Self-Supply B-4
Landscape/Recreational Self-Supply B-5
Commercial/Industrial/Institutional and Power Generation Self-Supply B-5
References B-7

APPENDIX C - MINIMUM FLOWS AND MINIMUM WATER LEVELS AND WATER RESERVATIONS ... C-1
Introduction C-1
Statutory and Regulatory Framework for Minimum Flows and Minimum Water Levels and Water Reservations C-1
Minimum Flows and Minimum Water Levels and Water Reservations C-4
Minimum Flows and Minimum Water Levels C-4
Water Reservations C-10
Adopted Minimum Flows and Minimum Water Levels Prevention or Recovery Strategies C-12
Southern Water Use Caution Area Recovery Strategy C-12
Methodologies for Minimum Flows and Minimum Water Levels and Related Environmental Criteria C-16
Minimum Flows and Minimum Water Levels and Related Environmental Criteria for Groundwater Withdrawal Impact Assessments C-18
Methods Associated with Minimum Flows and Minimum Water Levels in the St. Johns River Water Management District C-23
2016-2020 Reference Condition Freeboard or Deficit Calculation for St. Johns River Water Management District C-25
2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions Freeboard or deficit Calculation for the St. Johns River Water Management District C-27
Methods Associated with Minimum Flows and Minimum Water Levels in the Southwest Florida Water Management District C-28
Lakes in the Southwest Florida Water Management District C-28
Overview of the Southwest Florida Water Management District Lake Minimum Flows and Minimum Water Level Establishment C-28
Southwest Florida Water Management District Determination of Total Freeboard for Lakes C-29
2016-2020 Reference Condition Freeboard or deficit Calculation for Southwest Florida Water Management District Lakes C-30
2025, 2030, 2035, 2040 and 2045 Withdrawals Conditions Freeboard or Deficit Calculation for the Southwest Florida Water Management District Lakes C-31
Ridge Lake Wells (Regulatory Level) in the Southwest Florida Water Management District C-31
Upper Peace River Wells (Regulatory Level) in the Southwest Florida Water Management District C-33
Results for Freeboard and Deficit Determinations for Minimum Flows and Minimum Water Level and Related Environmental Criteria C-34

DRAFT FINAL

2016-2020 Reference Condition Results C-34
Results of Future Scenarios C-44
2025, 2030, 2035, and 2040 Withdrawals Conditions Results C-44
2045 Withdrawals Condition Results C-44
Minimum Flows and Minimum Water Levels and MFL-Related Environmental Criteria Assessment Limitations C-50
References C-51

APPENDIX D - EVALUATION OF WATER RESOURCES D-1
Purpose and Process D-1
Modeling Tools and Analytical Methods D-1
Hydrologic Assessment D-1
Environmental Criteria Used to Evaluate Potential Impacts D-9
Minimum Flows and Minimum Water Levels and Related Criteria D-9
Environmental Measures D-10
Criteria for Groundwater-Dominated Wetlands, Typically Without Minimum Flows and Minimum Water Levels D-10
Upward Migration (Upconing) of Brackish Groundwater Criteria D-19
Analysis and Results D-23
East Central Florida Transient Groundwater Expanded Model Version 2.0 Scenarios Analysis and Results D-23
References D-50

APPENDIX E - WATER SUPPLY AND WATER RESOURCE DEVELOPMENT PROJECT OPTIONS E-1
Introduction E-1

DRAFT FINAL

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DRAFT FINAL

List of Tables

Table A-1a. Population estimates for 2020 and population projections for 2025-2045 by county in the CFWI Planning Area: public supply. A-21

Table A-1b. Population estimates for 2020 and population projections for 2025-2045 by county in the CFWI Planning Area: domestic and small public supply systems. A-22

Table A-2. Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area. A-23

Table A-3. Total water use for 2020, 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area. A-25

Table A-4-1a. Public supply population served, and water use for 2020, PS population and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: Population values. A-26

Table A-4-1b. Public supply population served, and water use for 2020, PS population and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: Demand values. A-27

Table A-5-1a. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values. A-28

Table A-5-1b. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values A-32

Table A-5a. 2016-2020 water use, population served, and 5-year gross per capita averages for Public Supply permitted equal to or greater than 0.10 mgd in the CFWI Planning Area. A-41

Table A-6-1a. Domestic self-supply and small public supply systems population and water use for 2020, domestic self-supply and small public supply systems population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2020-2045 by District and county in the CFWI Planning Area: Population values. A-48

Table A-6-1b. Domestic self-supply and small public supply systems population and water use for 2020, domestic self-supply and small public supply systems population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by District and county in the CFWI Planning Area: Demand values A-49

Table A-6a-1a. Domestic self-supply population and water use for 2020, population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2025-2045 by District and county in the CFWI Planning Area: Population values. A-51

Table A-6a-1b. Domestic self-supply population and water use for 2020, population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water

DRAFT FINAL

demand projections for 2025-2045 by District and county in the CFWI Planning Area: Demand values.....A-52
Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Lake County. A-53
Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public suppAly permittees in the CFWI Planning Area: 2016-2017 for Orange County....A-55
Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Osceola County. A-57
Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Polk County.....A-59
Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Seminole County. A-64
Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Lake County. A-66
Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Orange County. A-68
Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Osceola County. A-70
Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Polk County.....A-72
Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Seminole County. A-77
Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Lake County. A-79
Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Orange County.....A-81
Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Osceola County....A-83
Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Polk County.....A-85
Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Seminole County..A-90
Table A-6c-1a. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values. A-92
Table A-6c-1b. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values. A-96
Table A-6d. 2016-2020 water use, population served, and 5-year gross per capita averages for small public supply systems (permitted less than 0.10 mgd) in the CFWI Planning Area. A-105
Table A-7-1a. Agricultural irrigation self-supply water use, miscellaneous agricultural water use, and acreage for 2020, 5-in-10 year water demand and acreage projections for 2025-

DRAFT FINAL

2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: 5-in-10 Demand values. A-109
Table A-7-1b. Agricultural irrigation self-supply water use, miscellaneous agricultural water use, and acreage for 2020, 5-in-10 year water demand and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: Acreage values and 1-in-10 Demand values. A-111
Table A-7a. Agricultural irrigation self-supply water use (including miscellaneous water use) and acreage for 2020, 5-in-10 year water demand projections and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by crop category and county in the CFWI Planning Area. A-113
Table A-7b. Miscellaneous agricultural self-supply water use for 2020 and 5-in-10 year water demand projections for 2025-2045by county in the CFWI Planning Area..... A-119
Table A-8. Landscape/recreational self-supply water use for 2020, 5-in-10 year water demand projections for 2025-2045, and 1-in 10 year water demand projections for 2045 by county in the CFWI Planning Area..... A-120
Table A-8a-1a. 2016-2020 water use, total county population, and 5-year gross per capita averages for landscape/recreational self-supply and landscape/recreational water demand increases by county in the CFWI Planning Area: Historic values. A-121
Table A-8a-1b. 2016-2020 water use, total county population, and 5-year gross per capita averages for landscape/recreational and landscape/ recreational water demand increases by county in the CFWI Planning Area: Projected values. A-122
Table A-9. Commercial/industrial/institutional and mining/dewatering self-supply water use for 2020 and 5-in-10 year water demand projections for 2025-2045 by county in the CFWI Planning Area..... A-123
Table A-9a-1a. Commercial/industrial/institutional and mining/dewatering 2016-2020 water use, total county population, and 5-year gross per capita averages for commercial/industrial/institutional and mining/dewatering self-supply water demand increases in the CFWI Planning Area: Historic values..... A-124
Table A-9a-1b. Commercial/industrial/institutional and mining/dewatering 2016-2020 water use, total county population and 5-year gross per capita averages for commercial/industrial/institutional and mining/dewatering self-supply water demand increases in the CFWI Planning Area. A-125
Table A-10. Power generation self-supply water use for 2020 and 5-in-10 year water demand projections for 2025-2045 by county in the CFWI Planning Area..... A-126
Table A-10a. Power generation self-supply water use for 2020 and 5-in-10 year water demand projections for 2025-2045 by county and facility in the CFWI Planning Area..... A-127
Table A-10b-1a.2016-2020 water use and megawatts, 5-year average gallons per megawatt, and 2025-2045 megawatt and 5-in-10 year water demand projections for power generation self-supply in the CFWI Planning Area: Historic Water Use..... A-129
Table A-10b-1b.2016-2020 water use and megawatts, 5-year average gallons per megawatt, and 2025-2045 megawatt and 5-in-10 year water demand projections for power

DRAFT FINAL

generation self-supply in the CFWI Planning Area: Historic and projected megawatts. A-130
Table A-10b-1c. 2016-2020 water use and megawatts, 5-year average gallons per megawatt, and 2025-2045 megawatt and 5-in-10 year water demand projections for power generation self-supply in the CFWI Planning Area: Projected water demand. A-132
Table A-11. Public supply and domestic self-supply and small public supply systems water use for 2020, 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area. A-133
Table A-12-1. Lake County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area. A-134
Table A-12-2. Orange County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area. A-135
Table A-12-3. Osceola County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area. A-136
Table A-12-4. Polk County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area. A-137
Table A-12-5. Seminole County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045, by category of use in the CFWI Planning Area. A-138
Table A-13a. 2020 Reuse flows and reuse categories by facility, county, and district in the CFWI Planning Area. A-139
Table A-13b. Summary of 2020 Reuse flows and reuse categories by District in the CFWI Planning Area. A-146
Table A-13c. 2020 estimates and 2045 projections for total service area population, septic population, and adjusted service area population by wastewater treatment facility, county, and district in the CFWI Planning Area. A-147
Table A-13d. Summary of 2020 estimates and 2045 projections of total service area population, septic population, and adjusted service area population by district in the CFWI Planning Area. A-152
Table A-13e. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by facility, county, and district in the CFWI Planning Area. A-153
Table A-13f. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by district in the CFWI Planning Area. A-160

Table B-1. Public supply passive water conservation by county in the CFWI Planning Area. B-3
T**able B-2**. Public supply projected active water conservation savings in the Central Florida Water Initiative Planning Area. B-4
Table B-3. Total public supply projected water conservation savings in the Central Florida Water Initiative Planning Area by 2045 ..... B-4
Table B-4. Domestic Self-supply water conservation savings by county in the Central Florida Water Initiative Planning Area. B-5

DRAFT FINAL

Table C-1. Summary of selected Florida Statutes and Florida Administrative Code Rules relevant to Minimum Flows and Minimum Water Levels and Reservations, including those established in the Central Florida Water Initiative Planning Area. C-3
Table C-2. Summary of adopted MFLs and those that are scheduled for MFLs adoption or re-evaluation within and extending into the CFWI Planning Area..... C-7
Table C-3. Summary of adopted water reservations within and extending into the CFWI Planning Area..... C-10
Table C-4. Summary information on regulatory wells within and near the Central Florida Water Initiative Planning Area established as part of the Southwest Florida Water Management District's Southern Water Use Caution Area Recovery Strategy..... C-15
Table C-5. Minimum Flows and Minimum Water Levels and MFL-related environmental criteria identified for evaluation of potential groundwater withdrawal impacts in the Central Florida Water Initiative Planning Area, as of May 2024..... C-20
Table C-6. Freeboard or deficits and other summary information for SJRWMD MFLs that were assessed as environmental criteria for the 2025 Central Florida Water Initiative Regional Water Supply Plan..... C-24
Table C-7. 2016-2020 Reference Condition freeboard or deficit calculations for SJRWMD minimum flows and minimum water levels environmental criteria..... C-27
Table C-8. Total freeboard or deficits and other summary information for SWFWMD minimum flows and minimum water levels assessed as environmental criteria for the 2025 Central Florida Water Initiative Regional Water Supply Plan..... C-29
Table C-9a. Summary results for MFLs and MFL-related environmental criteria predicted for the modeled 2016-2020 Reference Condition, 2025 Withdrawals Condition, and 2030 Withdrawals Condition assessed with the ECFTXv2.0 model..... C-36
Table C-9b. Summary results for minimum flows and minimum water levels and MFL-related environmental criteria predicted for the modeled 2035, 2040 and 2045 Withdrawals Conditions assessed with the ECFTX v.2.0 model..... C-39
Table C-10. Summary results for MFLs and MFL-related environmental criteria identified for the 2016-2020 Reference Condition and 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions assessed with the ECFTXv2.0 model (MFL status may vary from the STAR report). C-42

Table D-1. Model input and calibration criteria for the ECFTX model..... D-7
Table D-2. Summary of wetland data classes in the CFWI Planning Area..... D-11
Table D-3. ECFTXv2.0 Modeled Groundwater Withdrawals versus the 2025 Central Florida Water Initiative Regional Water Supply Plan Groundwater Demand Projections (mgd) in the Central Florida Water Initiative Planning Area D-24
Table D-4. Summary of results (rounded to the nearest 10 acres) for the Central Florida Water Initiative Planning Area assessment of primarily groundwater-dominated Plains wetlands, excluding wetlands with hydrological alteration. Model Layer 1 (surficial aquifer system) of the ECFTXv2.0 model was used to predict the wetland water level change. D-29
Table D-5. Summary of results (rounded to the nearest 10 acres) for the Central Florida Water Initiative Planning Area assessment of primarily groundwater-dominated Ridge wetlands, excluding wetlands with hydrologic alteration..... D-30

DRAFT FINAL

Table E-1. Potential water supply and water conservation project options within the Central Florida Water Initiative Planning Area Figure E-1 Crosswalk. E-3
Table E-2. Updated summary of CFWI RWSP water supply and water resource development project options: Brackish/Nontraditional Groundwater Projects..... E-10
Table E-3. Updated summary of CFWI RWSP water supply and water resource development project options: Water Conservation Projects. E-14
Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects..... E-21
Table E-5. Updated summary of CFWI RWSP water supply and water resource development project options: Surface Water Projects. E-40
Table E-6. Updated summary of CFWI RWSP water supply and water resource development project options: Stormwater Projects. E-45
Table E-7. Updated summary of CFWI RWSP water supply and water resource development project options: Management Strategies..... E-47

DRAFT FINAL

List of Figures

Figure C-1. Adopted and Proposed MFLs within and extending into the CFWI Planning Area... C-6

Figure C-2. Status of adopted minimum flows and minimum water levels within and extending into the Central Florida Water Initiative Planning Area based on the 2023 Statewide Annual Report (FDEP 2024) and an additional recent status assessment. C-9

Figure C-3. Adopted water reservations within and extending outside the Central Florida Water Initiative Planning Area. C-11

Figure C-4. Southern Water Use Caution Area, Most Impacted Area of the SWUCA, and the Southern West-Central Florida groundwater basin relative to the CFWI Planning Area. C-14

Figure C-5. Status of Upper Floridan aquifer water levels at regulatory wells in the Most Impacted Area of the Southern Water Use Cautions Area relative to the SWUCA Saltwater Intrusion Minimum Aquifer Level. C-15

Figure C-6. Minimum Flows and Minimum Water Levels and MFL-related environmental criteria identified for assessment of potential groundwater withdrawal impacts..... C-22

Figure C-7. Illustration showing the estimation of freeboard or deficit for the 2016-2020 Reference Condition using the ECFTXv2.0 model and Surface Water Model. C-26

Figure C-8. Status of Upper Floridan aquifer water levels at wells in the Lake Wales Ridge area of the Southern Water Use Caution Area relative to a regulatory target water level. C-32

Figure C-9. Status of Upper Floridan aquifer water levels at wells in the upper Peace River area of the Southern Water Use Caution Area relative to a regulatory target water level. C-34

Figure C-10. 2016-2020 Reference Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria assessed..... C-43

Figure C-11. Predicted 2025 Withdrawals Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria in the CFWI Planning Area. C-45

Figure C-12. Predicted 2030 Withdrawals Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria in the Central Florida Water Initiative Planning Area. C-46

Figure C-13. Predicted 2035 Withdrawals Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria in the Central Florida Water Initiative Planning Area. C-47

Figure C-14. Predicted 2040 Withdrawals Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria in the Central Florida Water Initiative Planning Area. C-48

Figure C-15. Predicted 2045 Withdrawals Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria in the Central Florida Water Initiative Planning Area. C-49

DRAFT FINAL

Figure D-1. Model domain boundaries for the ECFT and ECFTX models. D-4
Figure D-2. Hydrostratigraphic conceptualization and associated model layers for the ECFTX model.....D-6
Figure D-3. Distribution of groundwater-dominated Plains and Ridge wetlands within the Central Florida Water Initiative Planning Area included in the wetlands analysis. D-12
Figure D-4. Location and current stress status of the Class 1 wetlands in and near the Central Florida Water Initiative Planning Area included in the analysis for the 2025 Central Florida Water Initiative Regional Water Supply Plan. D-14
Figure D-5. Location and current stress status of the Class 2 wetlands in the Central Florida Water Initiative Planning Area included in the analysis for the 2025 Central Florida Water Initiative Regional Water Supply Plan.....D-15
Figure D-6. Location of Class 3 wetlands in the Central Florida Water Initiative Planning Area. D-17
Figure D-7. Total dissolved solids concentrations within the Upper Floridan aquifer (Model Layer 3). D-21
Fig**ure D-8.** Total dissolved solids concentrations within the Lower Floridan aquifer (Model Layer 9). D-22
Figure D-9. The changes of simulated mean water levels in Model Layer 1 (surficial aquifer system) between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition within the Central Florida Water Initiative Planning Area. D-26
Figure D-10. The changes of simulated mean water levels in Model Layer 3 (Upper Floridan aquifer) between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition within the Central Florida Water Initiative Planning Area and location of Wellfields of Water Quality Concern.....D-27
Figure D-11. The changes of simulated mean water levels in Model Layer 9 (Lower Floridan aquifer) between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition within the Central Florida Water Initiative Planning Area. D-28
Figure D-12. The probable net increase in acres of Stressed Plains and Ridge wetlands for the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions.....D-31
Figure D-13. A comparison of probable acres of Stressed and Not Stressed Plains wetlands for the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions.....D-32
Figure D-14. A comparison of probable acres of Stressed and Not Stressed Ridge wetlands for the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions.....D-33
Figure D-15. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains and Ridge wetlands using Model Layer 1 (surficial aquifer system) to predict wetland water level change for the 2025 Withdrawals Condition. D-35
Figure D-16. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains wetlands using Model Layer 1 (surficial aquifer system) and Ridge wetlands using Model Layer 3 (Upper Floridan aquifer) to predict wetland water level change for the 2025 Withdrawals Condition. D-36
Figure D-17. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains and Ridge wetlands using Model Layer 1 (surficial aquifer system) to predict wetland water level change for the 2030 Withdrawals Condition. D-37
Figure D-18. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains wetlands using Model Layer 1 (surficial aquifer

DRAFT FINAL

system) and Ridge wetlands using Model Layer 3 (Upper Floridan aquifer) to predict wetland water level change for the 2030 Withdrawals Condition. D-38
Figure D-19. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains and Ridge wetlands using Model Layer 1 (surficial aquifer system) to predict wetland water level change for the 2035 Withdrawals Condition. D-39
Figure D-20. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains wetlands using Model Layer 1 (surficial aquifer system) and Ridge wetlands using Model Layer 3 (Upper Floridan aquifer) to predict wetland water level change for the 2035 Withdrawals Condition. D-40
Figure D-21. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains and Ridge wetlands using Model Layer 1 (surficial aquifer system) to predict wetland water level change for the 2040 Withdrawals Condition. D-41
Figure D-22. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains wetlands using Model Layer 1 (surficial aquifer system) and Ridge wetlands using Model Layer 3 (Upper Floridan aquifer) to predict wetland water level change for the 2040 Withdrawals Condition. D-42
Figure D-23. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains and Ridge wetlands using Model Layer 1 (surficial aquifer system) to predict wetland water level change for the 2045 Withdrawals Condition. D-43
Figure D-24. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains wetlands using Model Layer 1 (surficial aquifer system) and Ridge wetlands using Model Layer 3 (Upper Floridan aquifer) to predict wetland water level change for the 2045 Withdrawals Condition. D-44
Figure D-25. Potential increased vertical flow through the bottom face of Model Layer 5 between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition with Total Dissolved Solids Concentration Contours in Model Layer 9 (LFA) within the CFWI Planning Area. D-46
Figure D-26. Potential increased vertical flow through the bottom face of Model Layer 5 between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition with Total Dissolved Solids Concentration Contours in Model Layer 9 (LFA) within Seminole County. D-47
Figure D-27. Potential increased vertical flow through the bottom face of Model Layer 5 between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition with Total Dissolved Solids Concentration Contours in Model Layer 9 (LFA) within Polk County, Florida D-48
Figure D-28. Potential upward vertical flow through the bottom face of Model Layer 9 between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition with Total Dissolved Solids Contours within the CFWI Planning Area D-49

Figure E-1. Map of all CFWI Water Supply Project Options. E-2

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Acronyms and Abbreviations

3D	three-dimensional
θ	a hydrologic index
AFSIRS	Agricultural Field Scale Irrigation Requirements Simulation
AG	agriculture/agricultural
ASR	aquifer storage and recovery
AWE	Alliance for Water Efficiency
AWE Tool	Alliance for Water Efficiency's Water Conservation Tool
AWS	alternative water supply
AWT	advanced wastewater treatment
BEBR	Bureau of Economic and Business Research
cfs	cubic feet per second
CFWI	Central Florida Water Initiative
CII	commercial/industrial/institutional
CRUSA	Central Regional Utility Service Area
CUP	Consumptive Use Permit
DMIT	Data, Monitoring, and Investigations Team
Districts	St. Johns River Water Management District, South Florida Water Management District, and Southwest Florida Water Management District
DSS	domestic self-supply and small public supply systems
Duke Energy	Duke Energy Corporation
ECF	East Central Florida
ECFS	East Central Florida Services Inc.
ECFT	East Central Florida Transient Model

DRAFT FINAL

ECFTX	East Central Florida Transient Groundwater Expanded Model
ET	evapotranspiration
ERUSA	East Regional Utility Service Area
EWRF	East Water Reclamation Facility
F.A.C.	Florida Administrative Code
FARMS	Facilitating Agricultural Resource Management Systems
FAS	Floridan aquifer system
FDACS	Florida Department of Agriculture and Consumer Services
FDC	Florida Development Company
FDOT	Florida Department of Transportation
FDEP	Florida Department of Environmental Protection
FFL	Florida-Friendly Landscaping™
FGUA	Florida Government Utility Authority
fka	formerly known as
F.S.	Florida Statutes
FSAID	FDACS Florida Statewide Agricultural Irrigation Demand
FY	fiscal year
GIS	geographic information system
gpcd	gallons per capita per day
gpd	gallons per day
gpm	gallons per minute
gw	groundwater
HAT	Hydrologic Analysis Team
Kh	horizontal hydraulic conductivity
IAS	intermediate aquifer system

DRAFT FINAL

ICU	intermediate confining unit
IPR	indirect potable reuse
KCOL	Kissimmee River Chain of Lakes
LFA	Lower Floridan aquifer
LR	landscape/recreational
Lake Toho	Lake Tohopekaliga
mg/L	milligrams per liter
MD	mining/dewatering
MFL(s)	minimum flow(s) and minimum water level(s)
mg	million gallons
mgd	million gallons per day
MHP	mobile home park
MIA	most impacted area
MODFLOW	modular groundwater flow model
MOR	Monthly Operating Report
N/A	not applicable
NAVD88	North American Vertical Datum of 1988
NERUSA	Northeast Regional Utility Service Area
NWRUSA	Northwest Regional Utility Service Area
NEXRAD	Next-generation Radar
NGVD29	National Geodetic Vertical Datum 1929
NRCS	Natural Resource Conservation Service
NSFAC	no significant Floridan aquifer connection
NWT	Newton-Raphson
OCU	Orange County Utilities

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OUC	Orlando Utilities Commission
P80	water level equals or exceeds 80 percent of the time
PG	power generation
PRMRWSA	Peace River Manasota Regional Water Supply Authority
PRWC	Polk Regional Water Cooperative
PS	public supply
PSC	Public Service Commission
RC	Reference Condition
RCID	Reedy Creek Improvement District
RIBs	Rapid Infiltration Basins
RO	reverse osmosis
RW	reclaimed water
RWSA	Regional Water Supply Authority
RWSP	Regional Water Supply Plan
SAS	surficial aquifer system
SERUSA	Southeast Regional Utility Service Area
SFWMD	South Florida Water Management District
SJRWMD	St. Johns River Water Management District
SMART	Securing Minneola's Alternative Resources for Tomorrow
SPSS	Small Public Supply Systems
SR	state road
STA	stormwater treatment area
STAR	Statewide Annual Report
sw	surface water
SWFWMD	Southwest Florida Water Management District

DRAFT FINAL

SWIMAL	Saltwater Intrusion Minimum Aquifer Level
SWRUSA	Southwest Regional Utility Service Area
SWUCA	Southern Water Use Caution Area
TBW	Tampa Bay Water
TDS	total dissolved solids
TECO	Tampa Electric Company
TWA	Tohopekaliga Water Authority
UF	University of Florida
UFA	Upper Floridan aquifer
UIC	underground injection control
UPW	upstream weighting
US	United States
USGS	United States Geological Survey
USGS-ECFT	USGS version of the East Central Florida Transient
UZF	Unsaturated-Zone Flow
WIDNR	Wisconsin Department of Natural Resources
WPCG	Water Planning Coordination Group
WRDP	Water Resource Development Project
WRF	water reclamation facility
WSDP	Water Supply Development Project
WTF/WTP	water treatment facility/plant
WUCA	Water Use Caution Area
WUP	Water Use Permit (ting)
WWTF/WWTP	wastewater treatment facility/plant

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Population and Water Demand Projections

INTRODUCTION

This Appendix contains information on the methodology and data developed by the Central Florida Water Initiative (CFWI) Regional Water Supply Plan (RWSP) used to develop the water demand estimates and projections for the 2025 CFWI RWSP for six water use categories, as well as future reclaimed water supply. It also describes the methodologies used to determine the spatial distribution of projected groundwater withdrawals used in the East Central Florida Transient Extended (ECFTX or ECFTXv1.0) groundwater flow model scenarios.

Background and Water Use Categories

The planning horizon for the 2025 CFWI RWSP is 2025 to 2045. Population and water demand estimates and projections are a cornerstone for assessing the water needs and availability in regional water supply planning. The St. Johns River Water Management District (SJRWMD), South Florida Water Management District (SFWMD), and Southwest Florida Water Management District (SWFWMD) (collectively referred to as the Districts) develop water demand projections to evaluate "existing legal uses, reasonably anticipated future needs, and existing and reasonably anticipated sources of water and conservation efforts," as set forth in subparagraph 373.036(2)(b)4a, Florida Statutes (F.S.). The Districts' goal is to project water demands that are reasonable and based on the best information available.

Water demands for this 2025 CFWI RWSP are estimated in 5-year increments (Subsection 62-40.531 (1)(a), Florida Administrative Code [F.A.C.]), for the following six water use categories established by the Florida Department of Environmental Protection (FDEP) and the state's five water management districts:

1. Public Supply (PS) - This category includes water provided by any municipality, county, regional water supply authority, special district, public or privately-owned water utility, or multijurisdictional water supply authority for human consumption and

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other purposes with average annual permitted quantities of 0.1 million gallons per day (mgd) or greater.

2. Domestic Self-supply and Small Public Supply Systems (DSS).

    a. The DSS category consists of residential dwellings that are self-supplied water from a dedicated, on-site well and are not connected to a central utility.

    b. The DSS category also includes centralized Small Public Supply Systems (SPSS) that provide water for human consumption with average annual permitted quantities of less than 0.1 million gallons per day (mgd).

3. Agricultural (AG) - The AG category consists of water use associated with the irrigation of crops and other miscellaneous water uses associated with AG production (e.g., aquaculture, livestock).

4. Landscape/Recreational (LR) - The LR category consists of water use associated with the irrigation, maintenance, and operation of golf courses, cemeteries, parks, medians, attractions, common areas in residential areas, and other large self-supplied green areas.

5. Commercial/Industrial/Institutional (CII).

    a. The CII category consists of self-supplied water use associated with the production of goods or provisions of services by CII establishments (e.g., general businesses, office complexes, commercial cooling and heating, bottled water, food and beverage processing, restaurants, gas stations, hotels, car washes, churches, hospitals, and prisons).

    b. The CII category also includes mining/dewatering (MD), which is the use of water associated with mining (extraction and processing of subsurface materials and minerals) and long-term dewatering (removal of water to control surface or groundwater levels during construction or excavation activities).

6. Power Generation (PG) - The PG category consists of self-supplied water use associated with power plant and PG facilities, including but not limited to water for steam generation, cooling, and replenishment of cooling reservoirs.

Other than the PS category, all other water use categories obtain water from dedicated, on-site wells and pumps and are not connected to a central utility. In addition to the six water use categories listed above, future reclaimed water flow projections are developed that could potentially be used to partially offset water demand. Reclaimed water is treated domestic wastewater that has received at least secondary treatment and basic disinfection and is reused for a beneficial purpose. Water demands and reclaimed water flows are expressed in average mgd unless otherwise noted.

The methodologies employed for this 2025 CFWI RWSP are the same as those used in the 2020 CFWI RWSP. Data for the baseline year consists of reported and estimated water usage

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for 2020, whereas data for the years 2025-2045 are projected water demands. Water use estimates and demand projections for the six water use categories were calculated for the years 2020, 2025, 2030, 2035, 2040 and 2045 based on average rainfall conditions, in addition to a 1-in-10 year drought event for 2045. The 1-in-10 year drought event is a year in which below normal rainfall occurs with a 10 percent probability of occurring in any given year. These below normal rainfall conditions result in an increase in water demands for four of the six water use categories. Future reclaimed water flows were also calculated for the year 2045. The 2020 water use estimates, permittee names listed, and Consumptive Use/Water Use Permitting (CUP/WUP) numbers shown in this appendix are a snapshot in time and were developed in early 2022 and do not reflect any recent updates to CUPs/WUPs.

METHODOLOGY

Data and Information Sources

The methodology to develop population and water demand estimates and projections uses many data sources such as:

- Finished water supplied by PS and SPSS collected by FDEP through Monthly Operating Reports (MORs)
- Water use estimates reported by permittees to the Districts through the (CUP/WUP) program
- District published annual water use reports (SJRWMD 2017, 2018a, 2018b, 2019-2021; SFWMD 2017-2020, 2022; SWFWMD 2017-2021)
- Permitted quantities and percentages of water use as reported in CUP/WUPs
- University of Florida's (UF) Bureau of Economic and Business Research (BEBR) CFWI Small Area Estimates and Projections (BEBR 2022)
- FDEP Annual Reuse Inventory Report (FDEP 2021)
- Power Plant 10-year Site Plans collected by the Public Service Commission (PSC)
- Florida Department of Agriculture and Consumer Services Florida Statewide Agricultural Irrigation Demand (FSAID) IX (FDACS 2022)

Public Supply and Domestic Self-supply and Small Public Supply Systems Population Estimates and Projections

In developing RWSPs, the Districts must consider BEBR medium population projections pursuant to Section 373.709(2)(a)1a, F.S. The population projections developed by BEBR are commonly used in planning efforts throughout Florida. These projections are made at the county-level only and require distribution among PS (and SPSS) service areas and DSS parcels.

The Districts contracted with BEBR to develop small-area population estimates and projections for the CFWI Planning Area, including all of Brevard County. BEBR's Geospatial

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Small-Area Population and Forecasting Model was used to estimate and project permanent residential population at the parcel level and then normalize the projections to BEBR's medium county level forecasts (BEBR 2022). The BEBR deliverable included a geospatial point file with historic permanent residential population estimates for the years 2015-2021, future permanent residential population projections for 2025-2045 (in 5-year increments), and a build-out scenario.

Using BEBR's small-area population estimates and projections, the Districts aggregated the parcel level population to each PS (and SPSS) service area in the CFWI Planning Area. These efforts provided historic, future, and build-out permanent resident populations for each PS and SPSS. Because of the service area boundary characteristics, the estimated historic service area population may differ from estimates of utility population served. This difference can occur when a service area includes self-supplied populations that may be currently unserved by the respective utility.

DSS population is the population for all parcels outside the PS and SPSS service areas, aggregated in 5-year increments from 2020-2045. In some cases, a DSS population within PS and SPSS service areas was identified through previously submitted account level billing data and well completion reports; this population was attributed to the DSS category. The DSS estimated and projected population by county (after adding the total population for each SPSS for each respective county) is provided in **Tables A-6-1a** and **b**.

Public Supply Water Demand

Gross Per Capita Water Use

For PS and SPSS, the gross per capita water use is defined as the total raw water withdrawn (including residential and non-residential uses) for each individual permittee or system divided by its respective service area population. The gross per capita water use (in gallons per capita per day [gpcd]) represents on average the amount of water one person would use in a day.

A PS/SPSS specific gross gpcd was applied to each respective PS/SPSS service area projected permanent residential population to calculate future average-year water demands. The source of the data varied (metered data or raw water withdrawals and MOR data or finished water withdrawals), however most of the treatment methods currently used in the CFWI Planning Area have minimal treatment losses and any differences are assumed to be negligible. Water demand projections were based on the most recent 5-year (2016-2020) average gross per capita rate (at the time the projections were developed), which accounts for annual variations in water use with respect to rainfall fluctuations and recent implementation of conservation programs. Imports and exports were identified to correctly capture the appropriate withdrawal scenarios for groundwater modeling purposes. In cases where water use data were not available from the sources identified, the Districts used professional judgement of historical data and trends to estimate values.

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For this 2025 CFWI RWSP, it was assumed that current levels of water conservation and use of reclaimed water will continue through the year 2045 planning horizon; additional water conservation and the use of reclaimed water will be effective in reducing future water demands.

The Districts observed a reduction in per capita water use over the last decade that may be attributed to a variety of factors, including economic conditions, climatic variability, indoor and outdoor water conservation, and source substitution with reclaimed water. The use of a 5-year average gross per capita accounts for some variability in these factors.

One factor of the per capita changes relates to population growth in larger per capita water use areas. Growth and demand are specific to each PS utility, not an overall average for the CFWI Planning Area. Growth in higher per capita areas will increase water demand greater than the average CFWI Planning Area per capita rate would indicate. For example, most new home construction has in-ground irrigation systems for turf and planted areas which require additional watering for establishment. In addition, there is also an associated increase in commercial water use served by PS utilities.

Estimated and projected water demand for each individual PS is provided in **Tables A-5-1a** and **b** (and by county in **Table A-4-1b**) and includes 5-year increments from 2020-2045. A water demand projection for 2045 during a 1-in-10 year drought is also shown. Water demand for SPSS (individually listed in **Tables A-6c-1a** and **b**) were aggregated for each county and were added to the respective county demand for the DSS category (shown in **Tables A-6-1a** and **b**).

To calculate the 1-in-10 year water demand projections, the average year water demands were multiplied by 1.06. The 1-in-10 year Drought Subcommittee of the Water Planning Coordination Group (WPCG) concluded that a 6 percent increase in water demand would occur in such an event for the PS water use category (WDPS 1998).

Spatial Groundwater Distribution

For groundwater modeling purposes, the projected groundwater demand and associated location of withdrawal needed to be determined. For example, there are some PS within the CFWI Planning Area that have permitted surface water withdrawals (limited to Seminole County and City of Cocoa). For the CUP/WUPs with surface water withdrawals, groundwater demand was estimated as the total water demand minus the permitted surface water withdrawal. The projected groundwater demand, specific to each PS and SPSS, was distributed based on PS utility or SPSS data. Where data were not available, projected groundwater demand was distributed evenly to their respective active or proposed wells/stations contained in their CUP/WUP. In addition, well size and pumping capabilities were taken into consideration so that the maximum yield of the well/station was not exceeded. For those PS systems with multiple wellfields and/or specific wellfield allocations, the associated water demand was divided proportionally amongst the respective wellfields and then further to the wellfields' respective wells/stations.

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Domestic Self-supply and Small Public Supply Systems Water Demand

The water demand and population projections for SPSS are calculated individually but are combined with the DSS category for reporting purposes at the county level.

Residential Per Capita Water Use

For DSS, the residential per capita water use (also referred to as household) is defined as the water use for solely residential (indoor and outdoor) purposes. The residential gpcd was estimated from the county-level residential population served and residential water use. To achieve this, the total water use for each year (2016-2020) for each PS and SPSS was reduced to reflect only the indoor and outdoor residential portion of the total PS and SPSS water use. This was calculated using data reported directly from PS and SPSS systems, as well as the percentage of residential water use identified in a CUP/WUP. The resulting residential water use values for each PS and SPSS system were summed to the county level and divided by the total PS service area population (at county level) to obtain the county-level average 2016-2020 residential gpcd. The average 2016-2020 county level residential gpcd was then multiplied by the projected 2025-2045 DSS population (by county).

The DSS estimated and projected water demand by county (after adding the total water demand for SPSS) is shown in **Tables A-6-1a** and **b** and includes 5-year increments from 2020 to 2045. A water demand projection for 2045 during a 1-in-10 year drought is also included. Identical to PS, to calculate the 1-in-10 year water demand projections for DSS, the average year water demands were multiplied by 1.06.

Spatial Groundwater Distribution

Each SPSS future groundwater demand and location of withdrawal was spatially distributed as defined in the PS section.

Outside of PS and SPSS service areas, single family and multi-family parcels with residential housing units were identified using Department of Revenue data; for these parcels, a point was added to the centroid of each identified parcel to represent a well/station. Within PS and SPSS service areas, where available, account level billing data and well completion reports were used to determine DSS within those respective service areas. For these parcels, a point was added to the centroid of each identified parcel to represent a well/station. The DSS water demand for each 5-year increment was then distributed evenly among the identified DSS parcels for each county. For SWFWMD, instead of identified parcels, a consultant-based product was used which, in a grid format, has an identifier including the number of DSS wells in each grid. The DSS water demand for each 5-year increment for SWFWMD was distributed evenly among the grids based on the number of wells in each grid. For counties located in more than one water management district (e.g., Orange County), the projected DSS water

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demand for each District was only applied to the DSS parcels identified within their respective portion of the county.

Agricultural Water Demand

Section 570.93, F.S. directs the Florida Department of Agriculture and Consumer Services (FDACS) to develop statewide AG acreage and water demand projections based on a 20-year planning horizon. Pursuant to Section 373.709(2)(a)1.b., F.S., the Districts are required to consider AG water demand projections produced by FDACS. Any adjustment or deviation from data provided by FDACS must be fully described, and the original data must be presented along with the adjusted data. FDACS publishes 20-year AG acreage and associated water demand projections in the annual FSAID reports through a contract with The Balmoral Group. The FDACS Florida Statewide Agricultural Irrigation Demand (referred to as FSAID IX), which was published in June 2022 (FDACS 2022), contains estimated and projected AG acreage and water demand projections for the state of Florida for 5-year increments from 2020 to 2045, as well as a water demand projection for 2045 demands during a 1-in-10 year drought. Detailed methodology can be found in the FSAID IX Report.

The FSAID IX AG acreage and water demand projections were used in this 2025 CFWI RWSP. However, one adjustment for water demands was made for the approved North Ranch Sector Plan in the SJRWMD portion of Osceola County. A sector plan contains a long-term master plan that generally identifies water supplies needed and available sources of water, including water resource development and water supply development projects (WSDP), and water conservation measures, to meet the projected water demands of the future land uses in the long-term master plan. The long-term master plan can be based upon a planning period longer than the generally applicable planning period of the local comprehensive plan. Once the long-term master plan becomes legally effective, the water needs, sources, and water development projects identified in the master plan shall be incorporated into the applicable RWSP (Section 163.3245(4)(b), F.S.). The North Ranch Sector Plan approval and Comprehensive Plan Amendment can be found under Ordinance 2015-73, CPA14-0005, Osceola County. FDACS worked with Deseret Ranches to ensure that acreage projections from the North Ranch Sector Plan were incorporated into FSAID IX Report.

Acreage

The acreage estimates and projections were taken directly from the FSAID IX Report. The estimated and projected irrigated AG acreage by county is provided in **Tables A-7-1a** and **b** in 5-year increments from 2020 to 2045. Acreage by crop type is included in **Table A-7a**. As required per Section 373.709(2)(a)1b, F.S., the original FSAID IX acreage data is shown for comparison in **Tables A-7-1a** and **b**.

Demand

As stated above, water use estimates and water demand projections were taken directly from the FSAID IX Report (FDACS 2022), with the adjustment for the approved North Ranch Sector

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Plan area, which added approximately 17 mgd of demand for 2045. The estimated and projected AG water demand by county is provided in **Tables A-7-1a** and **b** in 5-year increments from 2020 to 2045 and includes water demand for 2045 during a 1-in-10 year drought. Water demand by crop type and miscellaneous type uses are included in **Tables A-7a** and **A-7b**. As required per Section 373.709(2)(a)1b, F.S., the original FSAID IX data is provided for comparison in **Tables A-7-1a** and **b**.

Spatial Groundwater Distribution

The FSAID IX Report contains the location, in polygon format, of all estimated future AG water demand in the 5-year increments necessary for groundwater modeling. The Districts used the FSAID IX Report and refined the data to account for those AG areas using surface water and converted the delivered polygon layer to a point layer (tied to CUP/WUP well/station location) for use in groundwater modeling. Detailed methodology regarding the conversion of polygon water demands to point water demands and the conversion of total water demands to reflect surface and groundwater demands is available at https://www.sjrwmd.com/ (SJRWMD 2018b). Spatial distribution of the water demand projections for the North Ranch Sector Plan area was provided by Dan Rutland, representing Deseret Ranches, and was incorporated into the deliverable used for groundwater modeling.

Landscape / Recreational Water Demand

Water demand for the LR category was projected at the county level using a respective historic LR average gpcd. The county specific LR average gpcd was calculated from LR average water use for 2016-2020 and BEBR estimates of county population for 2016-2020 (BEBR 2022).

The average LR gpcd was applied to the additional population projected by BEBR (BEBR 2022) for each 5-year increment and the associated water demand was added to the 2020 base-year water use. An exception to this method was made for SWFWMD to remove golf course water use from the LR gpcd calculation as SWFWMD does not anticipate any growth associated with golf courses in Polk County. The estimated and projected LR water demand by county is shown in **Table A-8** in 5-year increments from 2020 to 2045. Water demand for 2045 during a 1-in-10 year drought is also included.

The 1-in-10 year Drought Subcommittee of the WPCG, as stated in their final report, determined that values using AG (irrigation) models, historic data, and net irrigation ratios are acceptable when calculating the 1-in-10 year water demand projection. A factor was developed for each county, using the highest year water use from 2016-2020 and the percent increase from 2016-2020 LR water use. For example, if water use in 2017 was X percent higher than the 2016-2020 5year average, X percent was applied to the average 2045 water demand to project a 2045 1-in-10 year water demand.

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Spatial Groundwater Distribution

The projected water demand for the LR category is only estimated at the county level. For groundwater modeling purposes, the groundwater demand and associated location of withdrawal needed to be determined. Several LR CUP/WUPs have surface water withdrawals; future groundwater demand for the respective future years at the county level was calculated using the 2020 percent split between surface and groundwater (via reported CUP/WUP data and the Districts' published reports [SJRWMD 2021; SFWMD 2022; SWFWMD 2021]). The county level groundwater demand for future year scenarios was distributed to the CUP/WUP level using a percent share method of permitted allocation. For example, if an LR CUP/WUP's groundwater allocation represented 10 percent of the county's total groundwater allocation in 2020, then the LR CUP/WUP allocation also maintained 10 percent of the county groundwater allocation in 2045. The estimated projected groundwater demand specific to each LR CUP/WUP was then distributed evenly to their respective active or proposed wells/stations. In addition, well size and pumping capabilities were included to not exceed the maximum yield of the well/station. For counties located in more than one District (e.g., Orange County), the projected LR water demand for the District was only applied to the respective LR CUP/WUPs and wells/stations identified within their portion of the county. While future land use and potential new locations of LR polygons were not taken into consideration, the method applied is generally accepted as a valid method for regional planning purposes.

Commercial / Industrial / Institutional Water Demand

Water demands for the CII category were projected at the county level using a respective historic CII average gpcd. The county specific CII average gpcd was calculated from CII average water use for-2016-2020 and BEBR estimates of county population for 2016-2020 (BEBR 2022). CII historic water use, and water demand consists of only consumptive uses; recycled surface water and non-consumptive uses were removed. For this 2025 CFWI RWSP, surface water use by mining operations represents 5 percent of total surface water use, to account for the loss of water in mining products and evaporation. The remaining surface water was assumed to be recirculated in the mining process and, therefore, considered non-consumptive. For clarification, consumptive use for planning purposes is defined by the Districts as any use of water that reduces the supply from which it is withdrawn or diverted.

The CII average gpcd was applied to the additional population projected by BEBR (BEBR 2022) for each 5-year increment and the associated water demand added to the 2020 base year water use. Water demands for large CII facilities that are not impacted by population growth (e.g., pulp and paper mills and Mosaic in SWFWMD) were held constant.

The estimated and projected CII water demand by county is shown in **Table A-9** in 5-year increments from 2020-2045.

The 1-in-10 year Drought Subcommittee of the WPCG, as stated in their final report, determined that drought events do not have significant effects on water use in the CII

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category. Water use for the CII category is related primarily to processing and production needs and, therefore, the average water demands and 1-in-10 year water demands are assumed to be equal.

Spatial Groundwater Distribution

Refer to the LR spatial groundwater distribution explanation above. The methodology for spatial distribution of future groundwater for the CII category for modeling purposes is the same, but using the projected CII future groundwater demands.

Power Generation Water Demand

Water demand was calculated for each PG facility and then summed to the county level for consumptive uses of water only; recycled surface water and non-consumptive uses were removed. Surface water use by PG facilities represents 2 percent of total surface water use to account for the loss of water due to evaporation and is included in the water demand projections. An example of this is surface water used for once-through cooling for power plants, which is recycled or returned to the withdrawal source.

The PSC requires that each PG utility produce detailed 10-year site plans for its facilities. These plans include planned facilities and generating capacity expansion. The 2020 10-year site plans for each PG facility within the CFWI Planning Area were downloaded from the PSC website (http://www.psc.state.fl.us) and were used in developing the PG water demand projections.

To project future water demand, this 2025 CFWI RWSP utilized a methodology that incorporated historic and projected customers, historic and projected megawatts, and the average daily gallon per megawatt use for 2016-2020. Each 10-year site plan contains information regarding historic and projected customers and megawatts, as well as planned capacity expansions or facility closures. Most 10-year site plans extended through year 2030. The average customer growth rate was used to extrapolate projected customers beyond the 10-year site plans through the planning period of 2045. Using the last year of data in each 10-year site plan, a megawatt use per customer was calculated and then applied to the future customers to project future megawatts. Future groundwater demand for 2030-2045 was calculated by applying the 5-year (2016-2020) average gallons used per historic megawatt to the projected megawatts specific to each PG facility. Specific stakeholder feedback was received from Duke Energy Corporation (Duke Energy) and the Orlando Utilities Commission (OUC) regarding their PG facilities, indicating that no additional future groundwater would be needed. In addition, the Tampa Electric Company (TECO) will continue to use reclaimed water to offset the need for additional groundwater at their PG facility.

The estimated and projected PG water demand by county is shown in **Table A-10** in 5-year increments from 2020 to 2045. The projections for individual PG facilities are included in **Table A-10a**.

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The 1-in-10 year Drought Subcommittee of the WPCG, as stated in their final report, determined that drought events do not have significant effects on water use in the PG category. Water use for this category is related primarily to processing and cooling needs, and therefore, the average water demands, and 1-in-10 year water demands are assumed to be equal.

Spatial Groundwater Distribution

Similar to the PS category, future water demand was projected in 5-year increments through 2045 for each PG facility in the CFWI Planning Area. However, surface and groundwater were projected separately for each facility based on the 5-year (2016-2020) average gallons used per historic megawatt. The future groundwater demand, specific to each PG facility, was distributed evenly to their respective active or proposed wells/stations in their CUP/WUP or FDEP power plant site certification. In addition, well size and pumping capabilities were considered to not exceed the maximum yield of the well/station.

2045 Reclaimed Water Projection

Projections of future reclaimed water flows were made for domestic wastewater treatment facilities (WWTF) with 2020 permitted wastewater treatment capacities equal to or greater than 0.1 mgd (FDEP 2021).

Existing Flows

The 2020 flows were separated by total WWTF flow and beneficial reuse. Information from 2020 was obtained from the FDEP 2020 Reuse Inventory (FDEP 2021) and was modified where appropriate with stakeholder feedback.

For this 2025 CFWI RWSP, beneficial reuse was considered primarily those uses in which reclaimed water takes the place of an existing or potential use of higher quality water for which reclaimed water is suitable, such as the water used for landscape irrigation. The delivery of reclaimed water to other types of reclaimed water applications (such as rapid infiltration basins [RIBs]) and spray fields, is considered beneficial reuse by the FDEP for all locations. For this 2025 CFWI RWSP, the delivery of reclaimed water to RIBs and spray fields located only in known recharge areas and wetland hydration projects was considered beneficial reuse. The FDEP has a statewide reuse utilization goal of 75 percent (FDEP 2003). Typically, for planning purposes, the WWTF flow is multiplied by 75 percent and the difference between the base year WWTF flow at 75 percent utilization and the amount considered to be beneficially reused is considered as potential existing additional reclaimed water that could be used for beneficial reuse. Currently, over 95 percent of the treated WWTF flow in the CFWI Planning Area is used for beneficial purposes. When determining how much WWTF flow can be utilized, it is recognized that each WWTF is unique and items such as system upgrades and treatment, additional storage, expansion of system, customer availability, and other factors are taken into consideration.

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Future Flows

Using Public Water Service Area Boundaries, WWTF service areas, and CUP/WUPs, a WWTF service area layer was created that could identify areas that have the potential to be connected to central sewer systems as a result of population growth. The 2020-2045 increase in population for each WWTF service area identified was obtained using the parcel level projections deliverable created by BEBR, as described above (BEBR 2022). It was assumed that 95 percent of the population increase identified will receive sewer service and thereby return wastewater for treatment to a WWTF. It is acknowledged that the percentage of population growth and resulting wastewater flows will vary for individual service providers due to various factors.

It was further calculated that the increased population will generate approximately 73 gpcd of wastewater flows to the local WWTF. The 73 gpcd represents an average of 58.6 gpcd of wastewater generated by residential customers (indoor use) and 15 gpcd of wastewater generated by CII customers (indoor use), based upon the same projected population. The use of 73 gpcd is supported in literature such as the *Wisconsin Department of Natural Resources Guidance for Wastewater Treatment Facility Design Flow Determinations* which found that for WWTF design purposes, the average daily wastewater flow may be estimated as 65 gpcd to 80 gpcd for cities and towns of over 5,000 people (WIDNR 2024). The 58.6 gpcd, for residential indoor wastewater is also supported by the American Water Works Association (AWWA 2016, 1999). Additionally, Chapter 62-6, F.A.C., which includes standards for onsite sewage treatment and disposal systems, supports designs for wastewater return flows averaging 15 gpcd for employees at a commercial/industrial facility (Subsection 62-6.008(1)(B), F.A.C.).

Only a portion of the existing and future wastewater treated for reuse is used to offset water demands that would otherwise require the use of fresh groundwater. The amount of potable offset that is typically achieved utility-wide is approximately 65 percent to 75 percent; however, the potable offset can range from 50 percent to as much as 100 percent, depending on the type of use being replaced. While the amount of potable offset that is achieved by reuse is dependent upon the demographics of a particular WWTF's service area, the projected wastewater flows do not represent an amount equal to the water demand reduction due to system losses and inefficiencies of reuse by customers.

Reclaimed water systems are unique to each utility and the potential WWTF flow estimated for this 2025 CFWI RWSP may not necessarily represent the amount of reclaimed water that could be used in projects. Current treatment processes, WWTF capacities, storage and infrastructure and inflow and infiltration reduction programs should be considered and could potentially impact the utilization cost of additional or currently available reclaimed water. Likewise, future, and existing reclaimed water utilization may be higher than the scenarios presented if the WWTF provides reclaimed water for reuse to more efficient customers. In addition, potential future wastewater flows could be less if additional residential indoor water conservation is achieved. For example, AWWA identified on their website (www.Drinktap.org) that if residences installed, for every instance, more efficient water fixtures and regularly

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checked for leaks, daily indoor water use (and associated wastewater flow) could potentially be reduced to 45.2 gpcd (Vickers 2001).

Detailed flows and projections for 2020 and 2045 for each WWTF identified are included in **Tables A13a through A-13f**.

Spatial Distribution

The Districts did not attempt to identify where future reclaimed water flows or beneficial reuse will occur.

Population and Water Demand Projections for Areas Outside of the Central Florida Water Initiative Planning Area

The ECFTX groundwater model boundary extends well beyond the CFWI Planning Area. Water demand projections, specifically the spatial distribution, were obtained from each District's existing RWSPs and respective groundwater modeling efforts. Methodologies describing the water projections and spatial distribution can be found in each Districts' respective RWSPs, available online at: https://www.sjrwmd.com/, https://www.sfwmd.gov/, and https://www.swfwmd.state.fl.us/.

Review of Population and Water Demand Projections

The methodology and assumptions described above, including the resulting population and water demand projection tables, supporting AG tables, PG and DSS tables, and reclaimed water projections, underwent a thorough review. Water provider specific water use estimates and water demand projections were distributed to each water provider for review and comment. Changes and comments were incorporated where appropriate. Because this is a long-term planning effort, methodology changes based on short-term trends were not incorporated. However, additional refinements in the future may be considered as population and water use is continually monitored.

Summary of Population and Water Demand Projections

The methodologies for calculating population and water demand projections for the six water use categories, as well as future reclaimed water flows, detailed in **Tables A-1a** through **A-13f**, are consistent with the specific plans of major water users at the time projections were made. The projections in this 2025 CFWI RWSP assume that the current levels of water conservation efforts and the use of reclaimed water will continue through the year 2045 planning horizon. If water conservation efforts and the use of reclaimed water within the CFWI Planning Area are implemented at rates higher than historic rates, then 2045 actual water use will be less than projected under average climatic conditions.

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Summary of Tables A-1 through A-13

The tables in this Appendix have been numbered differently than the associated **Appendix A** CFWI Projections 2025-2045 Excel workbook and the **Appendix A** CFWI Appendix A, CFWI 2020 through 2045 Reuse Projections Excel workbook (found online at cfwiwater.com) to allow for formatting in this Word document. Note the font sizes in the tables in this document are small due to the data being presented. For information regarding the water demand and population projections tables within this Appendix, contact SJRWMD at 386-329-4500 or 800-451-7106.

The following summary is provided to assist in comparing the **Appendix A** formatted tables with the Excel files.

Table A-1a. Population estimates for 2020 and population projections for 2025-2045 by county in the CFWI Planning Area (PS) are associated with Table 1 in the CFWI Projections 2025-2045 Excel workbook.

Table A-1b. Population estimates for 2020 and population projections for 2025-2045 by county in the CFWI Planning Area (DSS) are associated with Table 1 in the CFWI Projections 2025-2045 Excel workbook.

Table A-2. Total water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area is associated with Table 2 in the CFWI Projections 2025 -2045 Excel workbook.

Table A-3. Total Water use for 2020, 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area is associated with Table 3 in the CFWI Projections 2025-2045 Excel workbook.

Table A-4-1a. PS population served, and water use for 2020, PS population and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county for the CFWI Planning Area: Population values are associated with Table 4 in the CFWI Projections 2025-2045 Excel workbook.

Table A-4-1b. PS population served, and water use for 2020, PS population and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: Demand values) are associated with Table 4 in the CFWI Projections 2025-2045 Excel workbook.

Table A-5-1a. PS population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values are associated with Table 5 in the CFWI Projections 2025-2045 Excel workbook.

Table A-5-1b. PS population served, and water use for 2020, PS population and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for

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2045 by county and utility in the CFWI Planning Area: Demand values are associated with Table 5 in the CFWI Projections 2025-2045 Excel workbook.

Table A-5a. 2016-2020 water use, population served and 5-year gross per capita averages for PS permitted equal to or greater than 0.10 mgd, in the CFWI Planning Area) is associated with Table 5a in the CFWI Projections 2025-2045 Excel workbook.

Table A-6-1a. DSS and SPSS population and water use for 2020, DSS and SPSS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by District and county in the CFWI Planning Area: Population values are associated with Table 6 tab in the CFWI Projections 2025-2045 Excel workbook.

Table A-6-1b. DSS and SPSS population and water use for 2020, DSS and SPSS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by District, and county in the CFWI Planning Area: Demand values are associated with Table 6 tab in the CFWI Projections 2025-2045 Excel workbook.

Table A-6a-1a. DSS population and water use for 2020, population projections and 5-in10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by District and county in the CFWI Planning Area: Population values are associated with Table 6a in the CFWI Projections 2025-2045 Excel workbook.

Table A-6a-1b. DSS population and water use for 2020, population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by District and county in the CFWI Planning Area: Demand values are associated with Table 6a in the CFWI Projections 2025-2045 Excel workbook.

Table A-6b-1a. 2016-2020 residential water use 5-year per capita averages for all PS permittees in the CFWI Planning Area: 2016-2017 by county are associated with Table 6b in the CFWI Projections 2025-2045 Excel workbook.

Table A-6b-1b. 2016-2020 residential water use 5-year per capita averages for all PS permittees in the CFWI Planning Area: 2018-2019 by county are associated with Table 6b in the CFWI Projections 2025-2045 Excel workbook.

Table A-6b-1c. 2016-2020 residential water use 5-year residential per capita averages for all PS permittees in the CFWI Planning Area: 2020 by county are associated with Table 6b in the CFWI Projections 2025-2045 Excel workbook.

Table A-6c-1a. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values are associated with Table 6c in the CFWI Projections 2025-2045 Excel workbook.

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Table A-6c-1b. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values are associated with Table 6c in the CFWI Projections 2025-2045 Excel workbook.

Table A-6d. 2016-2020 water use, population served, and 5-year gross per capita averages for SPSSs (permitted less than 0.10 mgd) in the CFWI Planning Area is associated with Table 6d in the CFWI Projections 2025-2045 Excel workbook.

Table A-7-1a. AG irrigation self-supply water use, miscellaneous AG water use, and acreage for 2020, 5-in-10 year water demand and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: Demand values are associated with Table 7 in the CFWI Projections 2025-2045 Excel workbook.

Table A-7-1b. AG irrigation self-supply water use, miscellaneous AG water use and acreage for 2020, 5-in-10 year water demand and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: Acreage values are associated with Table 7 in the CFWI Projections 2025-2045 Excel workbook.

Table A-7a. AG irrigation self-supply water use (including miscellaneous water use) and acreage for 2020, 5-in-10 year water demand projections and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by crop category and county in the CFWI Planning Area is associated with Table 7a in the CFWI Projections 2025-2045 Excel workbook.

Table A-7b. Miscellaneous AG self-supply water use for 2020, 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area is associated with Table 7b in the CFWI Projections 2025-2045 Excel workbook.

Table A-8. LR self-supply water use for 2020, 5-in-10 year water demand projections for 2025-2045, and 1-in 10 year water demand projections for 2045 by county in the CFWI Planning Area is associated with Table 8 in the CFWI Projections 2025-2045 Excel workbook.

Table A-8a-1a. 2016-2020 water use, total county population, and 5-year gross per capita averages for LR self-supply and LR water demand increases by county in the CFWI Planning Area: Historic Values are associated with Table 8a in the CFWI Projections 2025-2045 Excel workbook.

Table A-8a-1b. 2016-2020 water use, total county population, and 5-year gross per capita averages for LR self-supply and LR water demand increases by county in the CFWI Planning Area: Projected values are associated with Table 8a in the CFWI Projections 2025-2045 Excel workbook.

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Table A-9. CII and MD self-supply water use for 2020 and 5-in-10 year water demand projections for 2025-2045 by county in the CFWI Planning Area is associated with Table 9 in the CFWI Projections 2025-2045 Excel workbook.

Table A-9a-1a. 2016-2020 water use, total county population and 5-year gross per capita averages for CII and MD self-supply water demand increases in the CFWI Planning Area: Historic values are associated with Table 9a tab in the CFWI Projections 2025-2045 Excel workbook.

Table A-9a-1b. 2016-2020 water use, total county population and 5-year gross per capita averages for CII and MD self-supply water demand increases in the CFWI Planning Area: Projected values are associated with Table 9a tab in the CFWI Projections 2025-2045 Excel workbook.

Table A-10. Power generation self-supply water use for 2020 and 5-in-10 year demand projections for 2025-2045 by county in the CFWI Planning Area is associated with Table 10 in the CFWI Projections 2025-2045 Excel workbook.

Table A-10a. Power generation self-supply water use for 2020 and 5-in-10 year demand projections for 2025-2045 by county and facility in the CFWI Planning Area is associated with Table 10a in the CFWI Projections 2025-2045 Excel workbook.

Table A-10b-1a. 2016-2020 water use and megawatts, 5-year average gallons per megawatt, and 2025-2045 megawatt and 5-in-10 year water demand projections for power generation self-supply in the CFWI Planning Area: Historic water use are associated with Table 10b in the CFWI Projections 2025-2045 Excel workbook.

Table A-10b-1b. 2016-2020 water use and megawatts, 5-year average gallons per megawatt, and 2025-2045 megawatt and 5-in-10 year water demand projections for power generation self-supply in the CFWI Planning Area: Historic and projected megawatts are associated with Table 10b in the CFWI Projections 2025-2045 Excel workbook.

Table A-10b-1c. 2016-2020 water use and megawatts, 5-year average gallons per megawatt, and 2025-2045 megawatt and 5-in-10 year water demand projections for power generation self-supply in the CFWI Planning Area: Projected water demand are associated with Table 10b in the CFWI Projections 2025-2045 Excel workbook.

Table A-11. PS, DSS, and SPSS water use for 2020, 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area is associated with Table 11 in the CFWI Projections 2025-2045 Excel workbook.

Table A-12-1. Lake County: Water use for 2020 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045, by category of use in the CFWI Planning Area are associated with Table 12 in the CFWI Projections 2025-2045 Excel workbook.

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Table A-12-2. Orange County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045, by category of use in the CFWI Planning Area are associated with Table 12 in the CFWI Projections 2025-2045 Excel workbook.

Table A-12-3. Osceola County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045, by category of use in the CFWI Planning Area are associated with Table 12 in the CFWI Projections 2025-2045 Excel workbook.

Table A-12-4. Polk County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045, by category of use in the CFWI Planning Area are associated with Table 12 in the CFWI Projections 2025-2045 Excel workbook.

Table A-12-5. Seminole County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045, by category of use in the CFWI Planning Area are associated with Table 12 in the CFWI Projections 2025-2045 Excel workbook.

Table A-13a. 2020 Reuse flows and reuse categories by facility, county, and district in the CFWI Planning Area are associated with the Appendix A Format tab in the Appendix A_CFWI_2020-2045_Reuse_Projections Excel workbook.

Table A-13b. Summary of 2020 Reuse flows and reuse categories by District in the CFWI Planning Area are associated with the Appendix A Format tab in the Appendix A_CFWI_2020-2045_Reuse_Projections Excel workbook.

Table A-13c. 2020 estimates and 2045 projections for total service area population, septic population, and adjusted service area population by wastewater treatment facility, county, and district in the CFWI Planning Area are associated with the 2045 Reclaimed Water (RW) Projections tab in the Appendix A_CFWI_2020-2045_Reuse_Projections Excel workbook.

Table A-13d. Summary of 2020 estimates and 2045 projections for total service area population, septic population, and adjusted service area population by District in the CFWI Planning Area are associated with the 2045 RW Projections tab in the Appendix A_CFWI_2020-2045_Reuse_Projections Excel workbook.

Table A-13e. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by facility, county, and District in the CFWI Planning Area are associated with the 2045 RW Projections tab in the Appendix A_CFWI_2020-2045_Reuse_Projections Excel workbook.

Table A-13f. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by District in the CFWI Planning Area are associated with the 2045 RW Projections tab in the Appendix A_CFWI_2020-2045_Reuse_Projections Excel workbook.

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Table A-1a. Population estimates for 2020 and population projections for 2025-2045 by county in the CFWI Planning Area: public supply.

County/ District	BEBR County Population	Public Supply Population	BEBR County Population	Public Supply Population	BEBR County Population	Public Supply Population	BEBR County Population	Public Supply Population	BEBR County Population	Public Supply Population	BEBR County Population	Public Supply Population	CFWI BEBR County Population Percent Change 2020-2045	CFWI Public Supply Population Percent Change 2020-2045
	2020		2025		2030		2035		2040		2045			
City of Cocoa (SJRWMD)														
City of Cocoa-PS Total	**216,976**	**216,976**	**231,410**	**231,410**	**242,137**	**242,137**	**250,602**	**250,602**	**258,249**	**258,249**	**264,817**	**264,817**	**22%**	**22%**
Lake County (SJRWMD & SWFWMD)														
SJRWMD	150,842	147,416	181,036	176,020	203,581	197,051	220,370	212,443	233,066	223,874	243,083	232,958	61%	58%
SWFWMD	1,141	0	1,732	0	2,351	0	2,904	0	3,391	0	3,813	0	234%	0%
Lake PS Total	**151,983**	**147,416**	**182,768**	**176,020**	**205,932**	**197,051**	**223,274**	**212,443**	**236,457**	**223,874**	**246,896**	**232,958**	**62%**	**58%**
Orange County (SFWMD & SJRWMD)														
SFWMD	455,526	409,911	529,105	470,828	578,096	530,112	616,527	579,616	654,188	625,401	689,754	666,919	51%	63%
SJRWMD	974,382	908,305	1,048,595	1,007,965	1,126,604	1,089,590	1,190,473	1,156,215	1,239,212	1,211,729	1,279,246	1,271,892	31%	40%
Orange PS Total	**1,429,908**	**1,318,216**	**1,577,700**	**1,478,793**	**1,704,700**	**1,619,702**	**1,807,000**	**1,735,831**	**1,893,400**	**1,837,130**	**1,969,000**	**1,938,811**	**38%**	**47%**
Osceola County (SFWMD & SJRWMD)														
SFWMD	387,395	377,526	460,888	450,637	521,642	511,172	570,027	559,357	612,238	601,381	650,277	638,704	68%	69%
SJRWMD	1,261	1,261	2,613	1,417	3,857	1,515	4,974	1,604	5,962	1,685	23,524	18,457	1766%	1364%
Osceola PS Total	**388,656**	**378,787**	**463,501**	**452,054**	**525,499**	**512,687**	**575,001**	**560,961**	**618,200**	**603,066**	**673,801**	**657,161**	**73%**	**73%**
Polk County (SFWMD & SWFWMD)														
SFWMD	45,383	39,272	53,334	46,373	58,906	51,025	63,271	54,551	66,575	57,143	69,622	59,571	53%	52%
SWFWMD	679,663	642,838	757,566	716,590	818,894	774,073	869,429	821,393	912,625	862,850	949,878	898,364	40%	40%
Polk PS Total	**725,046**	**682,110**	**810,900**	**762,963**	**877,800**	**825,098**	**932,700**	**875,944**	**979,200**	**919,993**	**1,019,500**	**957,935**	**41%**	**40%**
Seminole County (SJRWMD)														
Seminole PS Total	**470,856**	**457,476**	**499,100**	**480,223**	**520,900**	**500,650**	**539,000**	**518,015**	**554,400**	**532,838**	**567,300**	**545,218**	**20%**	**19%**
Total Population														
Total SFWMD	**888,304**	**826,709**	**1,043,327**	**967,838**	**1,158,644**	**1,092,309**	**1,249,825**	**1,193,524**	**1,333,001**	**1,283,925**	**1,409,653**	**1,365,194**	**59%**	**65%**
Total SJRWMD	**1,814,317**	**1,731,434**	**1,962,754**	**1,897,035**	**2,097,079**	**2,030,943**	**2,205,419**	**2,138,879**	**2,290,889**	**2,228,375**	**2,377,970**	**2,333,342**	**31%**	**35%**
Total SWFWMD	**680,804**	**642,838**	**759,298**	**716,590**	**821,245**	**774,073**	**872,333**	**821,393**	**916,016**	**862,850**	**953,691**	**898,364**	**40%**	**40%**
CFWI PS Total	**3,383,425**	**3,200,981**	**3,765,379**	**3,581,463**	**4,076,968**	**3,897,325**	**4,327,577**	**4,153,796**	**4,539,906**	**4,375,150**	**4,741,314**	**4,596,900**	**40%**	**44%**

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Table A-1b. Population estimates for 2020 and population projections for 2025-2045 by county in the CFWI Planning Area: domestic and small public supply systems.

County/ District	BEBR County Population	DSS Population	BEBR County Population	DSS Population	BEBR County Population	DSS Population	BEBR County Population	DSS Population	BEBR County Population	DSS Population	BEBR County Population	DSS Population	CFWI BEBR County Population Percent Change 2020-2045	CFWI DSS Population Percent Change 2020-2045
	2020		2025		2030		2035		2040		2045			
City of Cocoa (SJRWMD)														
City of Cocoa DSS Total	**216,976**	**0**	**231,410**	**0**	**242,137**	**0**	**250,602**	**0**	**258,249**	**0**	**264,817**	**0**	**22%**	**N/A**
Lake County (SJRWMD & SWFWMD)														
SJRWMD	150,842	3,426	181,036	5,016	203,581	6,530	220,370	7,927	233,066	9,192	243,083	10,125	61%	196%
SWFWMD	1,141	1,141	1,732	1,732	2,351	2,351	2,904	2,904	3,391	3,391	3,813	3,813	234%	234%
Lake DSS Total	**151,983**	**4,567**	**182,768**	**6,748**	**205,932**	**8,881**	**223,274**	**10,831**	**236,457**	**12,583**	**246,896**	**13,938**	**62%**	**205%**
Orange County (SFWMD & SJRWMD)														
SFWMD	455,526	45,615	529,105	58,277	578,096	47,984	616,527	36,911	654,188	28,787	689,754	22,835	51%	-50%
SJRWMD	974,382	66,077	1,048,595	40,630	1,126,604	37,014	1,190,473	34,258	1,239,212	27,483	1,279,246	7,354	31%	-89%
Orange DSS Total	**1,429,908**	**111,692**	**1,577,700**	**98,907**	**1,704,700**	**84,998**	**1,807,000**	**71,169**	**1,893,400**	**56,270**	**1,969,000**	**30,189**	**38%**	**-73%**
Osceola County (SFWMD & SJRWMD)														
SFWMD	387,395	9,869	460,888	10,251	521,642	10,470	570,027	10,670	612,238	10,857	650,277	11,573	68%	17%
SJRWMD	1,261	0	2,613	1,196	3,857	2,342	4,974	3,370	5,962	4,277	23,524	5,067	1766%	N/A
Osceola DSS Total	**388,656**	**9,869**	**463,501**	**11,447**	**525,499**	**12,812**	**575,001**	**14,040**	**618,200**	**15,134**	**673,801**	**16,640**	**73%**	**69%**
Polk County (SFWMD & SWFWMD)														
SFWMD	45,383	6,111	53,334	6,961	58,906	7,881	63,271	8,720	66,575	9,432	69,622	10,051	53%	64%
SWFWMD	679,663	36,825	757,566	40,976	818,894	44,821	869,429	48,036	912,625	49,775	949,878	51,514	40%	40%
Polk DSS Total	**725,046**	**42,936**	**810,900**	**47,937**	**877,800**	**52,702**	**932,700**	**56,756**	**979,200**	**59,207**	**1,019,500**	**61,565**	**41%**	**43%**
Seminole County (SJRWMD)														
Seminole DSS Total	**470,856**	**13,380**	**499,100**	**18,877**	**520,900**	**20,250**	**539,000**	**20,985**	**554,400**	**21,562**	**567,300**	**22,082**	**20%**	**65%**
Total Population														
Total SFWMD	**888,304**	**61,595**	**1,043,327**	**75,489**	**1,158,644**	**66,335**	**1,249,825**	**56,301**	**1,333,001**	**49,076**	**1,409,653**	**44,459**	**59%**	**-28%**
Total SJRWMD	**1,814,317**	**82,883**	**1,962,754**	**65,719**	**2,097,079**	**66,136**	**2,205,419**	**66,540**	**2,290,889**	**62,514**	**2,377,970**	**44,628**	**31%**	**-46%**
Total SWFWMD	**680,804**	**37,966**	**759,298**	**42,708**	**821,245**	**47,172**	**872,333**	**50,940**	**916,016**	**53,166**	**953,691**	**55,327**	**40%**	**46%**
CFWI DSS Total	**3,383,425**	**182,444**	**3,765,379**	**183,916**	**4,076,968**	**179,643**	**4,327,577**	**173,781**	**4,539,906**	**164,756**	**4,741,314**	**144,414**	**40%**	**-21%**

Notes for **Tables A-1a and A-1b.**

1.) 2025 to 2045 county population projections were obtained from BEBR Population Projections: Bulletin 192, Published April 2022 (BEBR 2022).

2.) Population projections shown here are permanent population projections only and do not include any factors such as seasonal residents, tourist population, or net commuter population.

3.) Public water supply utility service areas often include residences that derive their water supply from privately owned (domestic self-supply) wells. Typically, these domestic self-supply water uses existed prior to their locations becoming part of public water supply service areas. For public water supply service areas, the Districts do not have sufficient information to separate the populations served by public supply systems from those served by domestic self-supply wells. Therefore, public water supply populations estimated by the Districts often include some domestic self-supply population. In certain counties the domestic self-supply population is projected to decrease.

4.) Osceola 2045 population (673,801) deviated from BEBR (657,100) to account for growth in North Ranch Sector Plan.

BEBR==Bureau of Economic and Business Research; CFWI==Central Florida Water Initiative; DSS== domestic self-supply and small public supply systems

Table A-2. Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area.

District/ Category of Use	Water Use			Demand Projections (5-in-10)															Percent Change 2020-2045	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045				2045		
	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total		Ground	Surface	Total
Public Water Supply Total																						
SFWMD	121.50	0.00	121.50	156.48	0.00	156.48	175.11	0.00	175.11	189.20	0.00	189.20	202.52	0.00	202.52	212.10	0.00	212.10	75%	5	0.00	224.84
SJRWMD	210.87	0.00	210.87	250.95	8.83	259.78	273.57	8.87	282.44	288.64	8.87	297.51	300.90	8.87	309.77	311.18	12.57	323.75	54%	330.47	12.70	343.17
SWFWMD	74.46	0.00	74.46	84.73	0.00	84.73	91.67	0.00	91.67	97.28	0.00	97.28	102.19	0.00	102.19	106.34	0.00	106.34	43%	112.73	0.00	112.73
CFWI Total	**406.83**	**0.00**	**406.83**	**492.16**	**8.83**	**500.99**	**540.35**	**8.87**	**549.22**	**575.12**	**8.87**	**583.99**	**605.61**	**8.87**	**614.48**	**629.62**	**12.57**	**642.19**	**58%**	**668.04**	**12.70**	**680.74**
Domestic Self-supply and Small Public Water Supply Total																						
SFWMD	7.30	0.00	7.30	8.99	0.00	8.99	7.89	0.00	7.89	6.69	0.00	6.69	5.82	0.00	5.82	5.26	0.00	5.26	-28%	5.54	0.00	5.54
SJRWMD	9.12	0.00	9.12	6.83	0.00	6.83	6.82	0.00	6.82	6.85	0.00	6.85	6.34	0.00	6.34	4.23	0.00	4.23	-54%	4.45	0.00	4.45
SWFWMD	3.54	0.00	3.54	4.09	0.00	4.09	4.52	0.00	4.52	4.88	0.00	4.88	5.10	0.00	5.10	5.31	0.00	5.31	50%	5.56	0.00	5.56
CFWI Total	**19.96**	**0.00**	**19.96**	**19.91**	**0.00**	**19.91**	**19.23**	**0.00**	**19.23**	**18.42**	**0.00**	**18.42**	**17.26**	**0.00**	**17.26**	**14.80**	**0.00**	**14.80**	**-26%**	**15.55**	**0.00**	**15.55**
Agricultural Irrigation Self-supply Total																						
SFWMD	19.75	5.82	25.57	19.82	5.84	25.66	19.85	5.87	25.72	19.84	5.84	25.68	19.71	5.83	25.54	19.55	5.79	25.34	-1%	25.02	7.33	32.35
SJRWMD	25.54	17.00	43.96	26.68	17.17	43.85	26.53	16.86	43.39	26.80	16.72	43.52	27.17	16.58	43.75	26.19	14.24	40.43	-8%	27.32	16.64	43.96
SWFWMD	62.64	2.53	65.17	63.39	2.56	65.95	65.15	2.63	67.78	64.48	2.60	67.08	63.56	2.57	66.13	62.71	2.54	65.25	0%	91.47	3.70	95.17
CFWI Total	**107.93**	**25.35**	**134.70**	**109.89**	**25.57**	**135.46**	**111.53**	**25.36**	**136.89**	**111.12**	**25.16**	**136.28**	**110.44**	**24.98**	**135.42**	**108.45**	**22.57**	**131.02**	**-3%**	**143.81**	**27.67**	**171.48**
Landscape/Recreational Self-supply Total																						
SFWMD	10.79	1.93	12.72	12.23	2.22	14.45	13.30	2.44	15.74	14.13	2.62	16.75	14.90	2.77	17.67	15.61	2.91	18.52	46%	18.00	3.36	21.36
SJRWMD	3.93	5.94	9.91	4.05	6.10	10.15	4.11	6.22	10.33	4.16	6.31	10.47	4.20	6.38	10.58	4.23	6.44	10.67	8%	5.53	7.93	13.46
SWFWMD	7.14	0.50	7.64	7.65	0.54	8.19	8.05	0.57	8.62	8.38	0.59	8.97	8.66	0.61	9.27	8.90	0.63	9.53	25%	10.60	0.74	11.34
CFWI Total	**21.86**	**8.37**	**30.27**	**23.93**	**8.86**	**32.79**	**25.46**	**9.23**	**34.69**	**26.67**	**9.52**	**36.19**	**27.76**	**9.76**	**37.52**	**28.74**	**9.98**	**38.72**	**28%**	**34.13**	**12.03**	**46.16**
Commercial/Industrial/Institutional Self-supply Total																						
SFWMD	3.03	0.00	3.03	3.55	0.00	3.55	3.92	0.00	3.92	4.20	0.00	4.20	4.46	0.00	4.46	4.71	0.00	4.71	55%	4.71	0.00	4.71
SJRWMD	6.06	0.53	6.59	7.04	0.62	7.66	7.83	0.69	8.52	8.44	0.74	9.18	8.91	0.78	9.69	9.32	0.81	10.13	54%	9.32	0.81	10.13
SWFWMD	32.51	0.26	32.77	48.79	0.39	49.18	52.78	0.42	53.20	50.55	0.40	50.95	50.77	0.40	51.17	50.95	0.40	51.35	57%	50.95	0.40	51.35
CFWI Total	**41.60**	**0.79**	**42.39**	**59.38**	**1.01**	**60.39**	**64.53**	**1.11**	**65.64**	**63.19**	**1.14**	**64.33**	**64.14**	**1.18**	**65.32**	**64.98**	**1.21**	**66.19**	**56%**	**64.98**	**1.21**	**66.19**
Power Generation Self-supply Total																						
SFWMD	0.13	0.00	0.13	0.16	0.00	0.16	0.17	0.00	0.17	0.18	0.00	0.18	0.19	0.00	0.19	0.20	0.00	0.20	54%	0.20	0.00	0.20
SJRWMD	0.47	0.00	0.47	0.90	0.00	0.90	0.90	0.00	0.90	0.90	0.00	0.90	0.90	0.00	0.90	0.90	0.00	0.90	91%	0.90	0.00	0.90
SWFWMD	4.40	0.00	4.40	8.12	0.00	8.12	8.17	0.00	8.17	8.26	0.00	8.26	8.37	0.00	8.37	8.48	0.00	8.48	93%	8.48	0.00	8.48
CFWI Total	**5.00**	**0.00**	**5.00**	**9.18**	**0.00**	**9.18**	**9.24**	**0.00**	**9.24**	**9.34**	**0.00**	**9.34**	**9.46**	**0.00**	**9.46**	**9.58**	**0.00**	**9.58**	**92%**	**9.58**	**0.00**	**9.58**

Table A-2 Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area (continued).

Total Water Use																						
SFWMD Total	**162.50**	**7.75**	**170.25**	**201.23**	**8.06**	**209.29**	**220.24**	**8.31**	**228.55**	**234.24**	**8.46**	**242.70**	**247.60**	**8.60**	**256.20**	**257.43**	**8.70**	**266.13**	**56%**	**278.31**	**10.69**	**289.00**
SJRWMD Total	**255.99**	**23.47**	**280.92**	**296.45**	**32.72**	**329.17**	**319.76**	**32.64**	**352.40**	**335.79**	**32.64**	**368.43**	**348.42**	**32.61**	**381.03**	**356.05**	**34.06**	**390.11**	**39%**	**377.99**	**38.08**	**416.07**
SWFWMD Total	**184.69**	**3.29**	**187.98**	**216.77**	**3.49**	**220.26**	**230.34**	**3.62**	**233.96**	**233.83**	**3.59**	**237.42**	**238.65**	**3.58**	**242.23**	**242.69**	**3.57**	**246.26**	**31%**	**279.79**	**4.84**	**284.63**
CFWI Total	**603.18**	**34.51**	**639.15**	**714.45**	**44.27**	**758.72**	**770.34**	**44.57**	**814.91**	**803.86**	**44.69**	**848.55**	**834.67**	**44.79**	**879.46**	**856.17**	**46.33**	**902.50**	**41%**	**936.09**	**53.61**	**989.70**

Notes for **Table A-2.**

All water use is shown in million gallons per day (mgd).

Rounding errors account for nominal discrepancies.

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Table A-3. Total water use for 2020, 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area.

County/ District	Water Use			Demand Projections (5-in-10)															Percent Change 2020 - 2045	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045				2045		
	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total		Ground	Surface	Total
City of Cocoa (SJRWMD)																						
City of Cocoa Total	**20.00**	**0.00**	**20.00**	**21.72**	**8.83**	**30.55**	**26.73**	**8.83**	**35.56**	**27.85**	**8.83**	**36.68**	**28.86**	**8.83**	**37.69**	**29.73**	**8.83**	**38.56**	**93%**	**32.04**	**8.83**	**40.87**
Lake County (SJRWMD & SWFWMD)																						
SJRWMD	34.53	6.76	41.29	40.20	6.75	46.95	43.40	6.63	50.03	45.79	6.60	52.39	47.50	6.57	54.07	48.69	6.51	55.20	34%	52.64	7.82	60.46
SWFWMD	0.69	0.00	0.69	0.77	0.00	0.77	0.86	0.00	0.86	0.94	0.00	0.94	0.89	0.00	0.89	0.88	0.00	0.88	28%	1.05	0.00	1.05
Lake Total	**35.22**	**6.76**	**41.98**	**40.97**	**6.75**	**47.72**	**44.26**	**6.63**	**50.89**	**46.73**	**6.60**	**53.33**	**48.39**	**6.57**	**54.96**	**49.57**	**6.51**	**56.08**	**34%**	**53.69**	**7.82**	**61.51**
Orange County (SFWMD & SJRWMD)																						
SFWMD	88.14	1.15	89.29	107.32	1.25	108.57	117.22	1.31	118.53	124.43	1.37	125.80	132.26	1.41	133.67	137.59	1.45	139.04	56%	146.51	1.67	**148.18**
SJRWMD	131.39	2.08	133.47	156.98	1.95	158.93	168.34	1.84	170.18	177.62	1.71	179.33	184.76	1.59	186.35	190.75	1.51	192.26	44%	202.83	1.87	**204.70**
Orange Total	**219.53**	**3.23**	**222.76**	**264.30**	**3.20**	**267.50**	**285.56**	**3.15**	**288.71**	**302.05**	**3.08**	**305.13**	**317.02**	**3.00**	**320.02**	**328.34**	**2.96**	**331.30**	**49%**	**349.34**	**3.54**	**352.88**
Osceola County (SFWMD & SJRWMD)																						
SFWMD	60.83	4.13	64.96	80.47	4.33	84.80	88.64	4.51	93.15	94.74	4.63	99.37	99.73	4.73	104.46	103.74	4.82	108.56	67%	114.19	6.00	120.19
SJRWMD	13.22	12.57	27.21	15.90	13.11	29.01	17.19	13.27	30.46	18.47	13.45	31.92	19.67	13.58	33.25	19.58	13.72	33.30	22%	18.73	15.53	34.26
Osceola Total	**74.05**	**16.70**	**92.17**	**96.37**	**17.44**	**113.81**	**105.83**	**17.78**	**123.61**	**113.21**	**18.08**	**131.29**	**119.40**	**18.31**	**137.71**	**123.32**	**18.54**	**141.86**	**54%**	**132.92**	**21.53**	**154.45**
Polk County (SFWMD & SWFWMD)																						
SFWMD	13.53	2.47	16.00	13.44	2.48	15.92	14.38	2.49	16.87	15.07	2.46	17.53	15.61	2.46	18.07	16.10	2.43	18.53	16%	17.61	3.02	20.63
SWFWMD	184.00	3.29	187.29	216.00	3.49	219.49	229.48	3.62	233.10	232.89	3.59	236.48	237.76	3.58	241.34	241.81	3.57	245.38	31%	278.74	4.84	283.58
Polk Total	**197.53**	**5.76**	**203.29**	**229.44**	**5.97**	**235.41**	**243.86**	**6.11**	**249.97**	**247.96**	**6.05**	**254.01**	**253.37**	**6.04**	**259.41**	**257.91**	**6.00**	**263.91**	**30%**	**296.35**	**7.86**	**304.21**
Seminole County (SJRWMD)																						
Seminole Total	**56.85**	**2.06**	**58.95**	**61.65**	**2.08**	**63.73**	**64.10**	**2.07**	**66.17**	**66.06**	**2.05**	**68.11**	**67.63**	**2.04**	**69.67**	**67.30**	**3.49**	**70.79**	**20%**	**71.75**	**4.03**	**75.78**
Total Water Use																						
SFWMD Total	**162.50**	**7.75**	**170.25**	**201.23**	**8.06**	**209.29**	**220.24**	**8.31**	**228.55**	**234.24**	**8.46**	**242.70**	**247.60**	**8.60**	**256.20**	**257.43**	**8.70**	**266.13**	**56%**	**278.31**	**10.69**	**289.00**
SJRWMD Total	**255.99**	**23.47**	**280.92**	**296.45**	**32.72**	**329.17**	**319.76**	**32.64**	**352.40**	**335.79**	**32.64**	**368.43**	**348.42**	**32.61**	**381.03**	**356.05**	**34.06**	**390.11**	**39%**	**377.99**	**38.08**	**416.07**
SWFWMD Total	**184.69**	**3.29**	**187.98**	**216.77**	**3.49**	**220.26**	**230.34**	**3.62**	**233.96**	**233.83**	**3.59**	**237.42**	**238.65**	**3.58**	**242.23**	**242.69**	**3.57**	**246.26**	**31%**	**279.79**	**4.84**	**284.63**
CFWI Total	**603.18**	**34.51**	**639.15**	**714.45**	**44.27**	**758.72**	**770.34**	**44.57**	**814.91**	**803.86**	**44.69**	**848.55**	**834.67**	**44.79**	**879.46**	**856.17**	**46.33**	**902.50**	**41%**	**936.09**	**53.61**	**989.70**

Notes for **Table A-3.**
All water use is shown in million gallons per day (mgd).
Rounding errors account for nominal discrepancies.

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Table A-4-1a. Public supply population served, and water use for 2020, PS population and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: Population values.

County/District	Population Served	Population Projections				
	2020	2025	2030	2035	2040	2045
City of Cocoa (SJRWMD)						
City of Cocoa Total	**216,976**	**231,410**	**242,137**	**250,602**	**258,249**	**264,817**
Lake County (SJRWMD & SWFWMD)						
SJRWMD	147,416	176,020	197,051	212,443	223,874	232,958
SWFWMD	0	0	0	0	0	0
Lake CFWI Total	**147,416**	**176,020**	**197,051**	**212,443**	**223,874**	**232,958**
Orange County (SFWMD & SJRWMD)						
SFWMD	409,911	470,828	530,112	579,616	625,401	666,919
SJRWMD	908,305	1,007,965	1,089,590	1,156,215	1,211,729	1,271,892
Orange Total	**1,318,216**	**1,478,793**	**1,619,702**	**1,735,831**	**1,837,130**	**1,938,811**
Osceola County (SFWMD & SJRWMD)						
SFWMD	377,526	450,637	511,172	559,357	601,381	638,704
SJRWMD	1,261	1,417	1,515	1,604	1,685	18,457
Osceola Total	**378,787**	**452,054**	**512,687**	**560,961**	**603,066**	**657,161**
Polk County (SFWMD & SWFWMD)						
SFWMD	39,272	46,373	51,025	54,551	57,143	59,571
SWFWMD	642,838	716,590	774,073	821,393	862,850	898,364
Polk Total	**682,110**	**762,963**	**825,098**	**875,944**	**919,993**	**957,935**
Seminole County (SJRWMD)						
Seminole Total	**457,476**	**480,223**	**500,650**	**518,015**	**532,838**	**545,218**
Total Population Projections by District						
SFWMD Total	**826,709**	**967,838**	**1,092,309**	**1,193,524**	**1,283,925**	**1,365,194**
SJRWMD Total	**1,731,434**	**1,897,035**	**2,030,943**	**2,138,879**	**2,228,375**	**2,333,342**
SWFWMD Total	**642,838**	**716,590**	**774,073**	**821,393**	**862,850**	**898,364**
CFWI Total	**3,200,981**	**3,581,463**	**3,897,325**	**4,153,796**	**4,375,150**	**4,596,900**

Notes for **Table A-4-1a**,

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 1-in-10 rainfall year water demand for 2045 calculated as an additional 6 percent of 2045 average water demand.

Table A-4-1b. Public supply population served, and water use for 2020, PS population and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: Demand values.

County/ Districts	Water Use			Demand Projections (5-in-10)															Percent Change 2020 - 2045	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045				2045		
	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total	Ground	Surface	Total		Ground	Surface	Total
City of Cocoa (SJRWMD)																						
City of Cocoa Total	**20.00**	**0.00**	**20.00**	**21.72**	**8.83**	**30.55**	**26.73**	**8.83**	**35.56**	**27.85**	**8.83**	**36.68**	**28.86**	**8.83**	**37.69**	**29.73**	**8.83**	**38.56**	**93%**	**32.04**	**8.83**	**40.87**
Lake County (SJRWMD & SWFWMD)																						
SJRWMD		0.00	21.51	26.75	0.00	26.75	29.92	0.00	29.92	32.06	0.00	32.06	33.57	0.00	33.57	34.71	0.00	34.71	61%	36.81	0.00	36.81
SWFWMD		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	0.00
CFWI Total	**21.51**	**0.00**	**21.51**	**26.75**	**0.00**	**26.75**	**29.92**	**0.00**	**29.92**	**32.06**	**0.00**	**32.06**	**33.57**	**0.00**	**33.57**	**34.71**	**0.00**	**34.71**	**61%**	**36.81**	**0.00**	**36.81**
Orange County (SFWMD & SJRWMD)																						
SFWMD	72.81	0.00	72.81	89.49	0.00	89.49	99.97	0.00	99.97	107.96	0.00	107.96	116.31	0.00	116.31	121.95	0.00	121.95	67%	129.27	0.00	129.27
SJRWMD	116.33	0.00	116.33	144.85	0.00	144.85	156.83	0.04	156.87	166.62	0.04	166.66	174.72	0.04	174.76	183.21	0.04	183.25	58%	194.21	0.04	194.25
CFWI Total	**189.14**	**0.00**	**189.14**	**234.34**	**0.00**	**234.34**	**256.80**	**0.04**	**256.84**	**274.58**	**0.04**	**274.62**	**291.03**	**0.04**	**291.07**	**305.16**	**0.04**	**305.20**	**61%**	**323.48**	**0.04**	**323.52**
Osceola County (SFWMD & SJRWMD)																						
SFWMD	39.41	0.00	39.41	58.13	0.00	58.13	65.58	0.00	65.58	71.15	0.00	71.15	75.72	0.00	75.72	79.27	0.00	79.27	101%	84.03	0.00	84.03
SJRWMD	0.00	0.00	0.00	0.20	0.00	0.20	0.21	0.00	0.21	0.22	0.00	0.22	0.23	0.00	0.23	0.21	2.20	2.41	N/A	0.22	2.33	2.55
CFWI Total	**39.41**	**0.00**	**39.41**	**58.33**	**0.00**	**58.33**	**65.79**	**0.00**	**65.79**	**71.37**	**0.00**	**71.37**	**75.95**	**0.00**	**75.95**	**79.48**	**2.20**	**81.68**	**107%**	**84.25**	**2.33**	**86.58**
Polk County (SFWMD & SWFWMD)																						
SFWMD	9.28	0.00	9.28	8.86	0.00	8.86	9.56	0.00	9.56	10.09	0.00	10.09	10.49	0.00	10.49	10.88	0.00	10.88	17%	11.54	0.00	11.54
SWFWMD	74.46	0.00	74.46	84.73	0.00	84.73	91.67	0.00	91.67	97.28	0.00	97.28	102.19	0.00	102.19	106.34	0.00	106.34	43%	112.73	0.00	112.73
CFWI Total	**83.74**	**0.00**	**83.74**	**93.59**	**0.00**	**93.59**	**101.23**	**0.00**	**101.23**	**107.37**	**0.00**	**107.37**	**112.68**	**0.00**	**112.68**	**117.22**	**0.00**	**117.22**	**40%**	**124.27**	**0.00**	**124.27**
Seminole County (SJRWMD)																						
CFWI Total	**53.03**	**0.00**	**53.03**	**57.43**	**0.00**	**57.43**	**59.88**	**0.00**	**59.88**	**61.89**	**0.00**	**61.89**	**63.52**	**0.00**	**63.52**	**63.32**	**1.50**	**64.82**	**22%**	**67.19**	**1.50**	**68.69**
Total Water Use and Demand Projections																						
SFWMD Total	**121.50**	**0.00**	**121.50**	**156.48**	**0.00**	**156.48**	**175.11**	**0.00**	**175.11**	**189.20**	**0.00**	**189.20**	**202.52**	**0.00**	**202.52**	**212.10**	**0.00**	**212.10**	**75%**	**224.84**	**0.00**	**224.84**
SJRWMD Total	**210.87**	**0.00**	**210.87**	**250.95**	**8.83**	**259.78**	**273.57**	**8.87**	**282.44**	**288.64**	**8.87**	**297.51**	**300.90**	**8.87**	**309.77**	**311.18**	**12.57**	**323.75**	**54%**	**330.47**	**12.70**	**343.17**
SWFWMD Total	**74.46**	**0.00**	**74.46**	**84.73**	**0.00**	**84.73**	**91.67**	**0.00**	**91.67**	**97.28**	**0.00**	**97.28**	**102.19**	**0.00**	**102.19**	**106.34**	**0.00**	**106.34**	**43%**	**112.73**	**0.00**	**112.73**
CFWI Total	**406.83**	**0.00**	**406.83**	**492.16**	**8.83**	**500.99**	**540.35**	**8.87**	**549.22**	**575.12**	**8.87**	**583.99**	**605.61**	**8.87**	**614.48**	**629.62**	**12.57**	**642.19**	**58%**	**668.04**	**12.70**	**680.74**

Notes for **Table A-4-1b.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 1-in-10 rainfall year water demand for 2045 calculated as an additional 6 percent of 2045 average water demand.

Table A-5-1a. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values.

County/District	Utility	CUP Number	Population Served	Public Supply Population Projections					Buildout	Population Percent Change 2020-2045
			2020	2025	2030	2035	2040	2045		
City of Cocoa	**City of Cocoa**	**50245**	**216,976**	**231,410**	**242,137**	**250,602**	**258,249**	**264,817**	**406,252**	**22%**
Lake (CFWI) - SJRWMD	Southlake Utilities Inc.	2392	11,846	13,922	15,764	17,401	17,894	18,387	20,128	55%
	City of Mascotte	2453	8,413	9,936	10,803	11,686	12,566	13,605	43,510	62%
	City of Clermont	2478	47,779	55,856	62,140	63,975	64,781	65,330	75,594	37%
	Thousand Trails	2531	1,420	1,428	1,438	1,448	1,458	1,468	1,594	3%
	Town of Montverde	2671	2,378	2,738	3,074	3,399	3,708	3,922	5,028	65%
	Lake Utility Services Inc.	2700	30,622	36,880	40,733	43,719	45,831	47,635	82,256	56%
	City of Groveland	2796	23,639	30,016	34,987	39,830	44,413	48,661	120,973	106%
	Woodlands Church Lake LLC	2840	854	875	875	875	875	875	875	2%
	City of Minneola	2886	17,302	21,070	23,852	26,527	28,481	29,034	38,730	68%
	Ginn La Pine Island LTD LLLP	2900	68	115	146	271	470	544	789	700%
	Clerbrook Golf & RV Resort	6398	2,747	2,747	2,747	2,747	2,747	2,747	2,747	0%
	Ginn Pine Island II LLLP	50115	177	253	308	377	457	556	1,454	214%
	Colina Bay Water Company	103822	171	184	184	188	193	194	195	13%
	SJRWMD Lake (CFWI) Total		**147,416**	**176,020**	**197,051**	**212,443**	**223,874**	**232,958**	**393,873**	**1358%**
Orange - SFWMD	Orlando Utilities Commission	3159	239,112	261,593	286,266	304,862	319,554	325,912	340,826	36%
	Tohopekaliga Water Authority	49-00103-W	2,456	4,287	6,014	8,377	11,462	12,252	13,008	399%
	Orange County Public Utilities	48-00134-W, 48-00059-W	165,654	202,052	234,712	263,002	290,980	325,349	388,244	96%
	RCID	48-00009-W	0	0	0	0	0	0	0	N/A
	Taft Water Association	48-00995-W	2,689	2,896	3,120	3,375	3,405	3,406	3,406	27%
	SFWMD Orange Total		**409,911**	**470,828**	**530,112**	**579,616**	**625,401**	**666,919**	**745,484**	**63%**
Orange - SJRWMD	ECFS		0	2,563	4,936	7,188	10,142	24,301	95,657	N/A
	Orlando Utilities Commission	3159	280,837	307,240	336,219	358,059	375,314	382,782	386,750	36%
	Clarcona Resorts Condominium Association	3203	1,469	1,557	1,879	1,926	1,930	1,930	1,930	31%
	City of Ocoee	3216	37,400	40,141	43,374	48,542	50,285	53,579	54,088	43%
	City of Apopka	3217	77,174	88,316	101,091	115,246	127,854	141,483	148,195	83%
	Zellwood Water Users Inc.	3301	762	785	796	890	1,096	1,116	1,119	46%
	Wedgefield Utilities Inc.	3302	4,445	4,600	4,652	4,701	4,747	4,789	4,916	8%
	Orange County Public Utilities	3317	364,891	411,001	436,994	455,823	473,446	491,430	618,776	35%
	Town of Oakland	3347	4,266	5,721	6,936	8,501	9,651	9,933	9,933	133%
	City of Winter Garden	3368	50,014	55,074	58,959	60,840	62,030	62,754	63,046	25%
	Rock Springs Palm Isles MHC LLC	3383	1,936	1,957	1,977	1,995	2,011	2,051	2,131	6%
	Town of Eatonville	3407	2,414	2,811	3,785	3,872	3,872	3,872	3,872	60%
	City of Winter Park	7624	64,568	67,176	68,036	68,334	68,417	69,723	69,919	8%
	City of Maitland	50258	12,156	12,814	13,561	13,608	13,608	13,608	13,608	12%
	Aqua Utilities Florida, Inc.	51073	2,411	2,596	2,765	3,060	3,696	4,911	5,571	104%
	Starlight Ranch MHC	86536	2,355	2,384	2,400	2,400	2,400	2,400	2,400	2%
	Sun Communities Inc	92244	1,207	1,229	1,230	1,230	1,230	1,230	1,230	2%
	SJRWMD Orange Total		**908,305**	**1,007,965**	**1,089,590**	**1,156,215**	**1,211,729**	**1,271,892**	**1,483,141**	**40%**

Table A-5-1a. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values (continued).

County/District	Utility	CUP Number	Population Served	Public Supply Population Projections					Buildout	Population Percent Change 2020-2045
			2020	2025	2030	2035	2040	2045		
Total – OUC/OCU	**Orlando Utilities Commission**	**3159**	**519,949**	**568,833**	**622,485**	**662,921**	**694,868**	**708,694**	**727,576**	**36%**
	Orange County Public Utilities	**3317**	**530,545**	**613,053**	**671,706**	**718,825**	**764,426**	**816,779**	**1,007,020**	**54%**
Osceola - SFWMD	TWA / ECFS	49-00103-W	0	945	7,830	15,252	22,005	27,000	27,000	N/A
	St. Cloud Utility	49-00084-W	85,426	104,342	124,267	143,785	162,995	180,894	422,572	112%
	Tohopekaliga Water Authority	49-00103-W	291,082	344,329	378,039	399,282	415,342	429,771	692,903	48%
	Pleasant Hill	49-00812-W	600	600	600	600	600	600	600	0%
	Tropical Palms Resort	49-01268-W	194	193	193	193	193	193	193	-1%
	The Floridan RV Resort	49-01945-W	224	228	243	245	246	246	246	10%
	SFWMD Osceola Total		**377,526**	**450,637**	**511,172**	**559,357**	**601,381**	**638,704**	**1,143,514**	69%
Osceola - SJRWMD	East Central FLA Services Inc	3426	178	225	225	225	225	16,925	191,383	9408%
	Tohopekaliga Water Authority	49-00103-W	1,083	1,192	1,290	1,379	1,460	1,532	64,884	N/A
	SJRWMD Osceola Total		**1,261**	**1,261**	**1,417**	**1,515**	**1,604**	**1,685**	**256,267**	**1364%**
Polk - SFWMD	Tohopekaliga Water Authority (Poinciana)	49-00103-W	33,357	39,937	44,426	47,806	50,271	52,551	102,083	58%
	River Ranch	53-00026-W	606	618	631	642	653	663	8,598	9%
	Lake Wales Utility Company	53-00030-W	1,734	1,801	1,865	1,922	1,970	2,010	5,119	16%
	Polk County Utilities (Oak Hills)	53-00126-W	3,532	3,974	4,060	4,138	4,205	4,303	5,265	22%
	Resort at Canopy Oaks	53-00333-W	43	43	43	43	44	44	213	2%
	SFWMD Polk Total		**39,272**	**46,373**	**51,025**	**54,551**	**57,143**	**59,571**	**121,278**	**52%**
Polk - SWFWMD	City of Bartow	341	25,429	28,003	30,552	33,526	36,319	38,716	134,824	52%
	Lelynn RV Resort	587	274	275	275	275	275	275	275	0%
	City of Fort Meade	645	6,912	7,007	7,084	7,152	7,212	7,265	33,101	5%
	Lake Region Mobile Home Owners	1616	1,064	1,067	1,068	1,071	1,075	1,076	1,078	1%
	Four Lakes Golf Club	1625	1,100	1,101	1,102	1,102	1,102	1,102	1,102	0%
	Lake Hamilton	2332	1,539	1,688	1,856	2,109	2,371	2,577	4,201	67%
	Orchid Springs Development Corp	3415	1,087	1,122	1,139	1,139	1,139	1,139	1,139	5%
	Park Water Company	4005	3,087	3,255	3,422	3,579	3,718	3,860	8,150	25%
	City of Winter Haven	4607	85,847	95,411	102,654	107,865	112,308	115,821	153,054	35%
	City of Lake Wales	4658	25,357	28,118	31,036	33,947	36,814	39,705	92,336	57%
	City of Lakeland Electric & Water	4912	179,559	193,140	202,942	211,054	218,431	224,028	278,740	25%
	Grenelefe Resort Utility, Inc.	5251	2,949	2,958	2,962	2,988	3,018	3,040	3,132	3%
	City of Davenport	5750	11,715	15,430	16,949	18,250	19,310	20,098	30,192	72%
	City of Frostproof	5870	4,584	5,017	5,389	5,721	6,013	6,387	23,220	39%
	Town of Dundee	5893	6,230	7,292	8,145	9,146	10,132	11,441	42,754	84%
	North Pointe HOA	6023	156	157	157	157	158	158	161	1%
	City of Mulberry	6124	4,586	4,933	5,236	5,512	5,761	5,983	8,112	30%
	Saddlebag Lake Resort	6174	695	699	700	701	701	701	777	1%
	Polk County Utilities - NWRUSA	6505	45,892	49,725	52,751	55,790	58,571	60,887	85,182	33%
	Polk County Utilities - SWRUSA	6506	46,310	50,564	54,503	57,144	59,005	60,803	71,145	31%
	Polk County Utilities - CRUSA	6507	16,414	17,818	19,612	21,159	22,733	24,084	40,657	47%
	Polk County Utilities - SERSUA	6508	6,294	6,437	6,561	6,704	6,845	7,056	14,728	12%

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Table A-5-1a. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values (continued).

County/District	Utility	CUP Number	Population Served	Public Supply Population Projections					Buildout	Population Percent Change 2020-2045
			2020	2025	2030	2035	2040	2045		
Polk – SWFWMD (continued)	Polk County Utilities - NERUSA	6509	57,570	69,080	78,221	82,528	85,463	87,690	116,661	52%
	City of Lake Alfred	6624	10,067	11,429	12,643	13,697	14,551	15,330	29,786	52%
	City of Eagle Lake	6920	5,251	5,843	6,534	7,315	8,107	9,542	16,647	82%
	City of Auburndale	7119	35,209	40,029	43,981	47,956	51,675	54,731	78,223	55%
	CHCVII Lake Henry MHP	7187	1,081	1,083	1,083	1,083	1,083	1,083	1,083	0%
	Carefree RV Country Club	7328	837	845	846	846	846	848	852	1%
	Aqua Utilities Florida, Inc. - Lake Gibson	7878	2,200	2,242	2,281	2,300	2,311	2,311	2,311	5%
	Polk County Utilities - ERUSA	8054	4,399	4,735	5,084	5,461	5,824	6,129	25,591	39%
	CHCIII Swift Village MHP	8344	641	644	644	644	644	644	644	0%
	City of Polk City	8468	9,052	9,851	10,703	11,584	12,372	12,803	31,838	41%
	City of Haines City	8522	36,933	46,538	52,580	58,205	62,998	66,779	121,244	81%
	Sweetwater Community LLC	8967	551	552	552	552	552	552	552	0%
	Hanover Jordans Grove, LLC	12800	704	953	979	1,008	1,035	1,108	1,339	57%
	Alafia Preserve LLC; Eagle Ridge LLC; and Donaldson	12964	0	248	516	764	991	1,198	13,245	N/A
	Utilities, Inc - Cypress Lakes Utilities Inc.	13043	1,263	1,301	1,331	1,359	1,387	1,414	1,763	12%
	SWFWMD		**642,838**	**716,590**	**774,073**	**821,393**	**862,850**	**898,364**	**1,469,839**	**40%**
Seminole – SJRWMD	Sanlando Utilities Corp.	160	33,987	35,223	35,421	35,458	35,458	35,458	35,458	4%
	City of Sanford	162	70,953	76,140	81,291	87,049	92,952	100,931	106,081	42%
	Seminole County Environmental Services	8213, 95581	129,648	138,447	144,980	150,411	154,871	157,229	158,779	21%
	City of Winter Springs	8238	38,227	40,398	41,524	41,978	42,055	42,058	42,059	10%
	City of Oviedo	8252	39,447	41,449	43,597	44,659	45,317	46,034	46,130	17%
	Palm Valley Manufactured Home Community	8266	2,176	2,181	2,181	2,181	2,181	2,181	2,181	0%
	Mullet Lake Water Association Inc	8271	860	903	923	942	959	974	1,275	13%
	City of Longwood	8274	14,019	15,208	16,295	17,425	18,547	19,013	19,082	36%
	City of Lake Mary	8282	15,601	16,744	18,020	18,869	18,928	18,931	18,931	21%
	City of Casselberry	8284	47,986	50,114	50,826	51,236	51,486	51,515	51,516	7%
	Utilities Inc. of Florida	8345	523	528	529	529	529	529	529	1%
	Utilities Inc. of Florida	8346	2,617	2,628	2,635	2,642	2,644	2,644	2,644	1%
	Utilities Inc. of Florida	8352	916	920	925	933	938	940	940	3%
	FGUA	8362	5,158	5,418	5,660	5,895	6,079	6,184	6,418	20%

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Table A-5-1a. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values (continued).

County/District	Utility	CUP Number	Population Served	Public Supply Population Projections					Buildout	Population Percent Change 2020-2045
			2020	2025	2030	2035	2040	2045		
Seminole – SJRWMD (continued)	City of Altamonte Springs	3766, 3769, 8372, 50281	55,358	53,922	55,843	57,808	59,894	60,597	60,628	9%
	SJRWMD Seminole Total		**457,476**	**480,223**	**500,650**	**518,015**	**532,838**	**545,218**	**552,651**	**19%**
Total SFWMD			**826,709**	**967,838**	**1,092,309**	**1,193,524**	**1,283,925**	**1,365,194**	**2,010,276**	**65%**
Total SJRWMD			**1,731,434**	**1,897,035**	**2,030,943**	**2,138,879**	**2,228,375**	**2,333,342**	**3,092,184**	**35%**
Total SWFWMD			**642,838**	**716,590**	**774,073**	**821,393**	**862,850**	**898,364**	**1,469,839**	**40%**
CFWI Total			**3,200,981**	**3,581,463**	**3,897,325**	**4,153,796**	**4,375,150**	**4,596,900**	**6,572,299**	**44%**

Notes for **Table A-5-1a.**

CRUSA==Central Regional Utility Service Area; CUP==Consumptive Use Permit; ECFS==East Central Florida Services Inc.; FGUA==Florida Government Utility Authority; MHP==mobile home park; PS==public supply; NWRUSA== Northwest Regional Utility Service Area; RCID==Reedy Creek Improvement District; SERUSA==Southeast Regional Utility Service Area; SWRUSA==Southwest Regional Utility Service Area; TWA==Tohopekaliga Water Authority.

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Table A-5-1b. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values.

County/ District	Utility	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
City of Cocoa - SJRWMD	**City of Cocoa**	**20.00**	**0.00**	**20.00**	**21.72**	**8.83**	**30.55**	**26.73**	**8.83**	**35.56**	**27.85**	**8.83**	**36.68**	**28.86**	**8.83**	**37.69**	**29.73**	**8.83**	**38.56**	**93%**	**132**	**32.04**	**8.83**	**40.87**
Lake (CFWI) - SJRWMD	Southlake Utilities Inc.	1.68	0.00	1.68	2.12	0.00	2.12	2.40	0.00	2.40	2.64	0.00	2.64	2.72	0.00	2.72	2.79	0.00	2.79	66%	152	2.96	0.00	2.96
	City of Mascotte	0.63	0.00	0.63	0.65	0.00	0.65	0.70	0.00	0.70	0.76	0.00	0.76	0.82	0.00	0.82	0.88	0.00	0.88	40%	65	0.93	0.00	0.93
	City of Clermont	6.85	0.00	6.85	10.33	0.00	10.33	11.50	0.00	11.50	11.84	0.00	11.84	11.98	0.00	11.98	12.09	0.00	12.09	76%	185	12.82	0.00	12.82
	Thousand Trails	0.13	0.00	0.13	0.14	0.00	0.14	0.14	0.00	0.14	0.14	0.00	0.14	0.14	0.00	0.14	0.14	0.00	0.14	8%	97	0.15	0.00	0.15
	Town of Montverde	0.21	0.00	0.21	0.24	0.00	0.24	0.27	0.00	0.27	0.30	0.00	0.30	0.32	0.00	0.32	0.34	0.00	0.34	62%	87	0.36	0.00	0.36
	Lake Utility Services Inc.	4.89	0.00	4.89	6.53	0.00	6.53	7.21	0.00	7.21	7.74	0.00	7.74	8.11	0.00	8.11	8.43	0.00	8.43	72%	177	8.94	0.00	8.94
	City of Groveland	2.24	0.00	2.24	3.12	0.00	3.12	3.64	0.00	3.64	4.14	0.00	4.14	4.62	0.00	4.62	5.06	0.00	5.06	126%	104	5.36	0.00	5.36
	Woodlands Church Lake LLC	0.16	0.00	0.16	0.13	0.00	0.13	0.13	0.00	0.13	0.13	0.00	0.13	0.13	0.00	0.13	0.13	0.00	0.13	-19%	147	0.14	0.00	0.14
	City of Minneola	2.78	0.00	2.78	3.12	0.00	3.12	3.53	0.00	3.53	3.93	0.00	3.93	4.22	0.00	4.22	4.30	0.00	4.30	55%	148	4.56	0.00	4.56
	Ginn La Pine Island LTD LLLP	1.13	0.00	1.13	0.02	0.00	0.02	0.03	0.00	0.03	0.05	0.00	0.05	0.09	0.00	0.09	0.10	0.00	0.10	-91%	185	0.11	0.00	0.11
	Clerbrook Golf & RV Resort	0.18	0.00	0.18	0.14	0.00	0.14	0.14	0.00	0.14	0.14	0.00	0.14	0.14	0.00	0.14	0.14	0.00	0.14	-22%	50	0.15	0.00	0.15
	Ginn Pine Island II LLLP	0.61	0.00	0.61	0.08	0.00	0.08	0.10	0.00	0.10	0.12	0.00	0.12	0.15	0.00	0.15	0.18	0.00	0.18	-70%	330	0.19	0.00	0.19
	Colina Bay Water Company	0.02	0.00	0.02	0.13	0.00	0.13	0.13	0.00	0.13	0.13	0.00	0.13	0.13	0.00	0.13	0.13	0.00	0.13	550%	693	0.14	0.00	0.14
	SJRWMD Lake (CFWI) Total	**21.51**	**0.00**	**21.51**	**26.75**	**0.00**	**26.75**	**29.92**	**0.00**	**29.92**	**32.06**	**0.00**	**32.06**	**33.57**	**0.00**	**33.57**	**34.71**	**0.00**	**34.71**	**61%**	**N/A**	**36.81**	**0.00**	**36.81**

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Table A-5-1b. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Orange - SFWMD	Orlando Utilities Commission	39.61	0.00	39.61	43.16	0.00	43.16	47.23	0.00	47.23	50.30	0.00	50.30	52.73	0.00	52.73	53.78	0.00	53.78	N/A	165	57.01	0.00	57.01
	Tohopekaliga Water Authority	0.00	0.00	0.00	0.60	0.00	0.60	0.84	0.00	0.84	1.16	0.00	1.16	1.59	0.00	1.59	1.70	0.00	1.70	N/A	139	1.80	0.00	1.80
	Orange County Public Utilities	21.36	0.00	21.36	24.85	0.00	24.85	28.87	0.00	28.87	32.35	0.00	32.35	35.79	0.00	35.79	40.02	0.00	40.02	87%	123	42.42	0.00	42.42
	RCID	11.60	0.00	11.60	20.60	0.00	20.60	22.73	0.00	22.73	23.82	0.00	23.82	25.87	0.00	25.87	26.12	0.00	26.12	125%	N/A	27.69	0.00	27.69
	Taft Water Association	0.24	0.00	0.24	0.28	0.00	0.28	0.30	0.00	0.30	0.33	0.00	0.33	0.33	0.00	0.33	0.33	0.00	0.33	38%	97	0.35	0.00	0.35
	SFWMD Orange Total	**72.81**	**0.00**	**72.81**	**89.49**	**0.00**	**89.49**	**99.97**	**0.00**	**99.97**	**107.96**	**0.00**	**107.96**	**116.31**	**0.00**	**116.31**	**121.95**	**0.00**	**121.95**	**67%**	**N/A**	**129.27**	**0.00**	**129.27**

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Table A-5-1b. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020 - 2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Orange - SJRWMD	ECFS	0.00	0.00	0.00	0.36	0.00	0.36	0.69	0.00	0.69	1.00	0.00	1.00	1.41	0.00	1.41	3.38	0.00	3.38	N/A	139	3.58	0.00	3.58
	Orlando Utilities Commission	42.08	0.00	42.08	50.69	0.00	50.69	55.48	0.00	55.48	59.08	0.00	59.08	61.93	0.00	61.93	63.16	0.00	63.16	50%	165	66.95	0.00	66.95
	Clarcona Resorts Condom. Assoc	0.14	0.00	0.14	0.14	0.00	0.14	0.17	0.00	0.17	0.18	0.00	0.18	0.18	0.00	0.18	0.18	0.00	0.18	29%	91	0.19	0.00	0.19
	City of Ocoee	3.38	0.00	3.38	4.62	0.00	4.62	4.99	0.00	4.99	5.58	0.00	5.58	5.78	0.00	5.78	6.16	0.00	6.16	82%	115	6.53	0.00	6.53
	City of Apopka	9.15	0.00	9.15	14.75	0.00	14.75	16.88	0.00	16.88	19.25	0.00	19.25	21.35	0.00	21.35	23.63	0.00	23.63	158%	167	25.05	0.00	25.05
	Zellwood Water Users Inc.	0.09	0.00	0.09	0.08	0.00	0.08	0.08	0.00	0.08	0.09	0.00	0.09	0.11	0.00	0.11	0.12	0.00	0.12	33%	104	0.13	0.00	0.13
	Wedgefield Utilities Inc.	0.31	0.00	0.31	0.34	0.00	0.34	0.34	0.00	0.34	0.35	0.00	0.35	0.35	0.00	0.35	0.35	0.00	0.35	13%	74	0.37	0.00	0.37
	Orange County Public Utilities	41.30	0.00	41.30	50.55	0.00	50.55	53.75	0.00	53.75	56.07	0.00	56.07	58.23	0.00	58.23	60.45	0.00	60.45	46%	123	64.08	0.00	64.08
	Town of Oakland	0.70	0.00	0.70	0.80	0.00	0.80	0.97	0.00	0.97	1.19	0.00	1.19	1.35	0.00	1.35	1.39	0.00	1.39	99%	140	1.47	0.00	1.47
	City of Winter Garden	5.62	0.00	5.62	7.88	0.00	7.88	8.43	0.00	8.43	8.70	0.00	8.70	8.87	0.00	8.87	8.97	0.00	8.97	60%	143	9.51	0.00	9.51
	Rock Springs Palm Isles MHC LLC	0.14	0.00	0.14	0.12	0.00	0.12	0.12	0.00	0.12	0.12	0.00	0.12	0.12	0.00	0.12	0.13	0.00	0.13	-7%	61	0.14	0.00	0.14
	Town of Eatonville	0.27	0.00	0.27	0.34	0.00	0.34	0.46	0.00	0.46	0.47	0.00	0.47	0.47	0.00	0.47	0.47	0.00	0.47	74%	122	0.50	0.00	0.50
	City of Winter Park	10.37	0.00	10.37	10.95	0.00	10.95	11.09	0.00	11.09	11.14	0.00	11.14	11.15	0.00	11.15	11.36	0.00	11.36	10%	163	12.04	0.00	12.04
	City of Maitland	2.56	0.00	2.56	3.00	0.00	3.00	3.13	0.04	3.17	3.14	0.04	3.18	3.14	0.04	3.18	3.14	0.04	3.18	24%	234	3.33	0.04	3.37
	Aqua Utilities Florida, Inc.	0.07	0.00	0.07	0.08	0.00	0.08	0.09	0.00	0.09	0.10	0.00	0.10	0.12	0.00	0.12	0.16	0.00	0.16	129%	32	0.17	0.00	0.17
	Starlight Ranch MHC	0.15	0.00	0.15	0.11	0.00	0.11	0.12	0.00	0.12	0.12	0.00	0.12	0.12	0.00	0.12	0.12	0.00	0.12	-20%	48	0.13	0.00	0.13
	OUC - Sun Commun. Inc	0.00	0.00	0.00	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	N/A	35	0.04	0.00	0.04
	SJRWMD Orange Total	**116.33**	**0.00**	**116.33**	**144.85**	**0.00**	**144.85**	**156.83**	**0.04**	**156.87**	**166.62**	**0.04**	**166.66**	**174.72**	**0.04**	**174.76**	**183.21**	**0.04**	**183.25**	**58%**	**N/A**	**194.21**	**0.04**	**194.25**

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Table A-5-1b. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Total – OUC/OCU	Orlando Utilities Commission	81.69	0.00	81.69	93.85	0.00	93.85	102.71	0.00	102.71	109.38	0.00	109.38	114.66	0.00	114.66	116.94	0.00	116.94	43%	165	123.96	0.00	123.96
	Orange County Public Utilities	62.66	0.00	62.66	75.40	0.00	75.40	82.62	0.00	82.62	88.42	0.00	88.42	94.02	0.00	94.02	100.47	0.00	100.47	60%	123	106.50	0.00	106.50
Osceola - SFWMD	TWA / ECFS	0.25	0.00	0.25	1.09	0.00	1.09	2.12	0.00	2.12	3.06	0.00	3.06	3.75	0.00	3.75	3.75	0.00	3.75	N/A	139	3.98	0.00	3.98
	St. Cloud Utility	7.01	0.00	7.01	8.97	0.00	8.97	10.69	0.00	10.69	12.37	0.00	12.37	14.02	0.00	14.02	15.56	0.00	15.56	122%	86	16.49	0.00	16.49
	Tohopekaliga Water Authority	31.92	0.00	31.92	47.86	0.00	47.86	52.55	0.00	52.55	55.50	0.00	55.50	57.73	0.00	57.73	59.74	0.00	59.74	87%	139	63.32	0.00	63.32
	Pleasant Hill	0.11	0.00	0.11	0.11	0.00	0.11	0.11	0.00	0.11	0.11	0.00	0.11	0.11	0.00	0.11	0.11	0.00	0.11	0%	175	0.12	0.00	0.12
	Tropical Palms Resort	0.02	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	-50%	50	0.01	0.00	0.01
	The Floridan RV Resort	0.10	0.00	0.10	0.09	0.00	0.09	0.10	0.00	0.10	0.10	0.00	0.10	0.10	0.00	0.10	0.10	0.00	0.10	0%	393	0.11	0.00	0.11
	SFWMD Osceola Total	**39.41**	**0.00**	**39.41**	**58.13**	**0.00**	**58.13**	**65.58**	**0.00**	**65.58**	**71.15**	**0.00**	**71.15**	**75.72**	**0.00**	**75.72**	**79.27**	**0.00**	**79.27**	**101%**	**N/A**	**84.03**	**0.00**	**84.03**
Osceola - SJRWMD	East Central FLA Services Inc	0.00	0.00	0.00	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.00	2.20	2.20	N/A	130	0.00	2.33	2.33
	Tohopekaliga Water Authority	0.00	0.00	0.00	0.17	0.00	0.17	0.18	0.00	0.18	0.19	0.00	0.19	0.20	0.00	0.20	0.21	0.00	0.21	N/A	139	0.22	0.00	0.22
	SJRWMD Osceola Total	**0.00**	**0.00**	**0.00**	**0.20**	**0.00**	**0.20**	**0.21**	**0.00**	**0.21**	**0.22**	**0.00**	**0.22**	**0.23**	**0.00**	**0.23**	**0.21**	**2.20**	**2.41**	**N/A**	**N/A**	**0.22**	**2.33**	**2.55**
Polk - SFWMD	Tohopekaliga Water Authority (Poinciana)	7.19	0.00	7.19	5.55	0.00	5.55	6.18	0.00	6.18	6.65	0.00	6.65	6.99	0.00	6.99	7.30	0.00	7.30	2%	139	7.74	0.00	7.74
	River Ranch	0.16	0.00	0.16	0.17	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.17	0.18	0.00	0.18	0.18	0.00	0.18	13%	271	0.19	0.00	0.19
	Goldcoast Utilities	0.08	0.00	0.08	0.08	0.00	0.08	0.09	0.00	0.09	0.09	0.00	0.09	0.09	0.00	0.09	0.09	0.00	0.09	13%	47	0.10	0.00	0.10
	Polk County Utilities (Oak Hills)	1.84	0.00	1.84	3.06	0.00	3.06	3.12	0.00	3.12	3.18	0.00	3.18	3.23	0.00	3.23	3.31	0.00	3.31	80%	769	3.51	0.00	3.51
	Resort at Canopy Oaks	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-100%	43	0.00	0.00	0.00
	SFWMD Polk Total	**9.28**	**0.00**	**9.28**	**8.86**	**0.00**	**8.86**	**9.56**	**0.00**	**9.56**	**10.09**	**0.00**	**10.09**	**10.49**	**0.00**	**10.49**	**10.88**	**0.00**	**10.88**	**17%**	**N/A**	**11.54**	**0.00**	**11.54**

DRAFT FINAL

Table A-5-1b. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Polk – SWFWMD	City of Bartow	3.14	0.00	**3.14**	3.44	0.00	**3.44**	3.76	0.00	**3.76**	4.12	0.00	**4.12**	4.47	0.00	**4.47**	4.76	0.00	**4.76**	52%	123	5.05	0.00	**5.05**
	Lelynn RV Resort	0.02	0.00	**0.02**	0.02	0.00	**0.02**	0.02	0.00	**0.02**	0.02	0.00	**0.02**	0.02	0.00	**0.02**	0.02	0.00	**0.02**	0%	80	0.02	0.00	**0.02**
	City of Fort Meade	0.57	0.00	**0.57**	0.54	0.00	**0.54**	0.55	0.00	**0.55**	0.55	0.00	**0.55**	0.56	0.00	**0.56**	0.56	0.00	**0.56**	-2%	77	0.59	0.00	**0.59**
	Lake Region Mobile Home Owners	0.09	0.00	**0.09**	0.10	0.00	**0.10**	0.10	0.00	**0.10**	0.10	0.00	**0.10**	0.10	0.00	**0.10**	0.10	0.00	**0.10**	11%	91	0.11	0.00	**0.11**
	Four Lakes Golf Club	0.33	0.00	**0.33**	0.36	0.00	**0.36**	0.36	0.00	**0.36**	0.36	0.00	**0.36**	0.36	0.00	**0.36**	0.36	0.00	**0.36**	9%	328	0.38	0.00	**0.38**
	Lake Hamilton	0.30	0.00	**0.30**	0.33	0.00	**0.33**	0.36	0.00	**0.36**	0.41	0.00	**0.41**	0.46	0.00	**0.46**	0.51	0.00	**0.51**	70%	196	0.54	0.00	**0.54**
	Orchid Springs Development Corp	0.07	0.00	**0.07**	0.07	0.00	**0.07**	0.07	0.00	**0.07**	0.07	0.00	**0.07**	0.07	0.00	**0.07**	0.07	0.00	**0.07**	0%	60	0.07	0.00	**0.07**
	Park Water Company	0.26	0.00	**0.26**	0.27	0.00	**0.27**	0.28	0.00	**0.28**	0.29	0.00	**0.29**	0.30	0.00	**0.30**	0.32	0.00	**0.32**	23%	82	0.34	0.00	**0.34**
	City of Winter Haven	10.16	0.00	**10.16**	11.83	0.00	**11.83**	12.73	0.00	**12.73**	13.38	0.00	**13.38**	13.93	0.00	**13.93**	14.36	0.00	**14.36**	41%	124	15.22	0.00	**15.22**
	City of Lake Wales	2.67	0.00	**2.67**	2.95	0.00	**2.95**	3.26	0.00	**3.26**	3.56	0.00	**3.56**	3.87	0.00	**3.87**	4.17	0.00	**4.17**	56%	105	4.42	0.00	**4.42**
	City of Lakeland Electric and Water	22.08	0.00	**22.08**	24.34	0.00	**24.34**	25.57	0.00	**25.57**	26.59	0.00	**26.59**	27.52	0.00	**27.52**	28.23	0.00	**28.23**	28%	126	29.92	0.00	**29.92**
	Grenelefe Resort Utility, Inc.	1.12	0.00	**1.12**	1.06	0.00	**1.06**	1.06	0.00	**1.06**	1.07	0.00	**1.07**	1.08	0.00	**1.08**	1.09	0.00	**1.09**	-3%	359	1.16	0.00	**1.16**
	City of Davenport	1.80	0.00	**1.80**	2.25	0.00	**2.25**	2.47	0.00	**2.47**	2.66	0.00	**2.66**	2.82	0.00	**2.82**	2.93	0.00	**2.93**	63%	146	3.11	0.00	**3.11**
	City of Frostproof	0.32	0.00	**0.32**	0.40	0.00	**0.40**	0.43	0.00	**0.43**	0.45	0.00	**0.45**	0.48	0.00	**0.48**	0.50	0.00	**0.50**	56%	79	0.53	0.00	**0.53**
	Town of Dundee	0.78	0.00	**0.78**	0.85	0.00	**0.85**	0.94	0.00	**0.94**	1.06	0.00	**1.06**	1.18	0.00	**1.18**	1.33	0.00	**1.33**	71%	116	1.41	0.00	**1.41**
	North Pointe HOA	0.03	0.00	**0.03**	0.03	0.00	**0.03**	0.03	0.00	**0.03**	0.03	0.00	**0.03**	0.03	0.00	**0.03**	0.03	0.00	**0.03**	0%	172	0.03	0.00	**0.03**
	City of Mulberry	0.41	0.00	**0.41**	0.43	0.00	**0.43**	0.46	0.00	**0.46**	0.48	0.00	**0.48**	0.50	0.00	**0.50**	0.52	0.00	**0.52**	27%	87	0.55	0.00	**0.55**

DRAFT FINAL

Table A-5-1b. Public supply population served, and water use for 2020, population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Polk – SWFWMD (continued)	Saddlebag Lake Resort	0.10	0.00	**0.10**	0.09	0.00	**0.09**	0.09	0.00	**0.09**	0.09	0.00	**0.09**	0.09	0.00	**0.09**	0.09	0.00	**0.09**	-10%	133	0.10	0.00	**0.10**
	Polk County Utilities - NWRUSA	2.87	0.00	**2.87**	3.03	0.00	**3.03**	3.22	0.00	**3.22**	3.40	0.00	**3.40**	3.57	0.00	**3.57**	3.71	0.00	**3.71**	29%	61	3.93	0.00	**3.93**
	Polk County Utilities - SWRUSA	3.55	0.00	**3.55**	3.84	0.00	**3.84**	4.14	0.00	**4.14**	4.34	0.00	**4.34**	4.48	0.00	**4.48**	4.62	0.00	**4.62**	30%	76	4.90	0.00	**4.90**
	Polk County Utilities - CRUSA	1.21	0.00	**1.21**	1.21	0.00	**1.21**	1.33	0.00	**1.33**	1.44	0.00	**1.44**	1.55	0.00	**1.55**	1.64	0.00	**1.64**	36%	68	1.74	0.00	**1.74**
	Polk County Utilities - SERUSA	0.64	0.00	**0.64**	0.65	0.00	**0.65**	0.66	0.00	**0.66**	0.68	0.00	**0.68**	0.69	0.00	**0.69**	0.71	0.00	**0.71**	11%	101	0.75	0.00	**0.75**
	Polk County Utilities - NERUSA	8.18	0.00	**8.18**	10.15	0.00	**10.15**	11.50	0.00	**11.50**	12.13	0.00	**12.13**	12.56	0.00	**12.56**	12.89	0.00	**12.89**	58%	147	13.66	0.00	**13.66**
	City of Lake Alfred	0.89	0.00	**0.89**	1.19	0.00	**1.19**	1.31	0.00	**1.31**	1.42	0.00	**1.42**	1.51	0.00	**1.51**	1.59	0.00	**1.59**	79%	104	1.69	0.00	**1.69**
	City of Eagle Lake	0.52	0.00	**0.52**	0.48	0.00	**0.48**	0.54	0.00	**0.54**	0.61	0.00	**0.61**	0.67	0.00	**0.67**	0.79	0.00	**0.79**	52%	83	0.84	0.00	**0.84**
	City of Auburndale	5.40	0.00	**5.40**	5.92	0.00	**5.92**	6.51	0.00	**6.51**	7.10	0.00	**7.10**	7.65	0.00	**7.65**	8.10	0.00	**8.10**	50%	148	8.59	0.00	**8.59**
	CHCVII Lake Henry MHP	0.20	0.00	**0.20**	0.24	0.00	**0.24**	0.24	0.00	**0.24**	0.24	0.00	**0.24**	0.24	0.00	**0.24**	0.24	0.00	**0.24**	20%	225	0.25	0.00	**0.25**
	Carefree RV Country Club	0.11	0.00	**0.11**	0.12	0.00	**0.12**	0.12	0.00	**0.12**	0.12	0.00	**0.12**	0.12	0.00	**0.12**	0.12	0.00	**0.12**	9%	138	0.13	0.00	**0.13**
	Aqua Utilities Florida, Inc. - Lake Gibson	0.14	0.00	**0.14**	0.15	0.00	**0.15**	0.15	0.00	**0.15**	0.15	0.00	**0.15**	0.15	0.00	**0.15**	0.15	0.00	**0.15**	7%	67	0.16	0.00	**0.16**
	Polk County Utilities - ERUSA	0.50	0.00	**0.50**	0.53	0.00	**0.53**	0.57	0.00	**0.57**	0.61	0.00	**0.61**	0.65	0.00	**0.65**	0.69	0.00	**0.69**	38%	112	0.73	0.00	**0.73**
	CHCIII Swift Village MHP	0.13	0.00	**0.13**	0.15	0.00	**0.15**	0.15	0.00	**0.15**	0.15	0.00	**0.15**	0.15	0.00	**0.15**	0.15	0.00	**0.15**	15%	233	0.16	0.00	**0.16**

DRAFT FINAL

Table A-5-1b. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water use			Demand Projections (5-in-10)														Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Polk – SWFWMD (continued)	City of Polk City	0.44	0.00	**0.44**	0.42	0.00	**0.42**	0.46	0.00	**0.46**	0.50	0.00	**0.50**	0.53	0.00	**0.53**	0.55	0.00	**0.55**	25%	43	0.58	0.00	**0.58**
	City of Haines City	5.08	0.00	**5.08**	6.84	0.00	**6.84**	7.73	0.00	**7.73**	8.56	0.00	**8.56**	9.26	0.00	**9.26**	9.82	0.00	**9.82**	93%	147	10.41	0.00	**10.41**
	Sweetwater Community LLC	0.11	0.00	**0.11**	0.12	0.00	**0.12**	0.12	0.00	**0.12**	0.12	0.00	**0.12**	0.12	0.00	**0.12**	0.12	0.00	**0.12**	N/A	216	0.13	0.00	**0.13**
	Hanover Jordans Grove, LLC	0.00	0.00	**0.00**	0.08	0.00	**0.08**	0.09	0.00	**0.09**	0.09	0.00	**0.09**	0.09	0.00	**0.09**	0.10	0.00	**0.10**	N/A	89	0.11	0.00	**0.11**
	Alafia Preserve LLC; Eagle Ridge LLC; and Donaldson	0.00	0.00	**0.00**	0.03	0.00	**0.03**	0.07	0.00	**0.07**	0.10	0.00	**0.10**	0.13	0.00	**0.13**	0.16	0.00	**0.16**	N/A	135	0.17	0.00	**0.17**
	Utilities, Inc - Cypress Lakes Utilities Inc.	0.24	0.00	**0.24**	0.22	0.00	**0.22**	0.22	0.00	**0.22**	0.23	0.00	**0.23**	0.23	0.00	**0.23**	0.24	0.00	**0.24**	0%	168	0.25	0.00	**0.25**
	SWFWMD Polk Total	**74.46**	**0.00**	**74.46**	**84.73**	**0.00**	**84.73**	**91.67**	**0.00**	**91.67**	**97.28**	**0.00**	**97.28**	**102.19**	**0.00**	**102.19**	**106.34**	**0.00**	**106.34**	**43%**	**N/A**	**112.73**	**0.00**	**112.73**

DRAFT FINAL

Table A-5-1b. Public supply (PS) population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water use			Demand Projections (5-in-10)															Percent Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Seminole - SJRWMD	Sanlando Utilities Corp.	5.70	0.00	**5.70**	6.66	0.00	**6.66**	6.69	0.00	**6.69**	6.70	0.00	**6.70**	6.70	0.00	**6.70**	6.70	0.00	**6.70**	18%	189	7.10	0.00	**7.10**
	City of Sanford	7.02	0.00	**7.02**	7.46	0.00	**7.46**	7.97	0.00	**7.97**	8.53	0.00	**8.53**	9.11	0.00	**9.11**	9.89	0.00	**9.89**	41%	98	10.48	0.00	**10.48**
	Seminole County Environmental Services	15.67	0.00	**15.67**	17.17	0.00	**17.17**	17.98	0.00	**17.98**	18.65	0.00	**18.65**	19.200	0.00	**19.20**	18.00	1.50	**19.50**	24%	124	19.17	1.50	**20.67**
	City of Winter Springs	3.79	0.00	**3.79**	4.20	0.00	**4.20**	4.32	0.00	**4.32**	4.37	0.00	**4.37**	4.37	0.00	**4.37**	4.37	0.00	**4.37**	15%	104	4.63	0.00	**4.63**
	City of Oviedo	4.73	0.00	**4.73**	5.06	0.00	**5.06**	5.32	0.00	**5.32**	5.45	0.00	**5.45**	5.53	0.00	**5.53**	5.62	0.00	**5.62**	19%	122	5.96	0.00	**5.96**
	Palm Valley Manufactured Home Comm.	0.09	0.00	**0.09**	0.09	0.00	**0.09**	0.09	0.00	**0.09**	0.09	0.00	**0.09**	0.09	0.00	**0.09**	0.09	0.00	**0.09**	0%	41	0.10	0.00	**0.10**
	Mullet Lake Water Association Inc	0.07	0.00	**0.07**	0.07	0.00	**0.07**	0.07	0.00	**0.07**	0.07	0.00	**0.07**	0.07	0.00	**0.07**	0.07	0.00	**0.07**	0%	77	0.07	0.00	**0.07**
	City of Longwood	1.69	0.00	**1.69**	1.79	0.00	**1.79**	1.92	0.00	**1.92**	2.06	0.00	**2.06**	2.19	0.00	**2.19**	2.24	0.00	**2.24**	33%	118	2.37	0.00	**2.37**
	City of Lake Mary	3.22	0.00	**3.22**	3.68	0.00	**3.68**	3.96	0.00	**3.96**	4.15	0.00	**4.15**	4.16	0.00	**4.16**	4.16	0.00	**4.16**	29%	220	4.41	0.00	**4.41**
	City of Casselberry	4.43	0.00	**4.43**	4.56	0.00	**4.56**	4.63	0.00	**4.63**	4.66	0.00	**4.66**	4.69	0.00	**4.69**	4.69	0.00	**4.69**	6%	91	4.97	0.00	**4.97**
	Utilities Inc. of Florida	0.07	0.00	**0.07**	0.06	0.00	**0.06**	0.06	0.00	**0.06**	0.06	0.00	**0.06**	0.06	0.00	**0.06**	0.06	0.00	**0.06**	-14%	105	0.06	0.00	**0.06**
	Utilities Inc. of Florida	0.22	0.00	**0.22**	0.21	0.00	**0.21**	0.21	0.00	**0.21**	0.21	0.00	**0.21**	0.21	0.00	**0.21**	0.21	0.00	**0.21**	-5%	80	0.22	0.00	**0.22**
	Utilities Inc. of Florida	0.12	0.00	**0.12**	0.10	0.00	**0.10**	0.10	0.00	**0.10**	0.10	0.00	**0.10**	0.10	0.00	**0.10**	0.10	0.00	**0.10**	-17%	105	0.11	0.00	**0.11**
	FGUA	0.49	0.00	**0.49**	0.50	0.00	**0.50**	0.53	0.00	**0.53**	0.55	0.00	**0.55**	0.57	0.00	**0.57**	0.58	0.00	**0.58**	18%	93	0.61	0.00	**0.61**

DRAFT FINAL

Table A-5-1b. Public supply population served, and water use for 2020, PS population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projection s for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/District	Utility	Water use			Demand Projections (5-in-10)															Percent Change 2020 - 2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			20205			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Seminole – SJRWMD (continued)	City of Altamonte Springs	5.72	0.00	**5.72**	5.82	0.00	**5.82**	6.03	0.00	**6.03**	6.24	0.00	**6.24**	6.47	0.00	**6.47**	6.54	0.00	**6.54**	14%	108	6.93	0.00	**6.93**
SJRWMD Seminole Total		**53.03**	**0.00**	**53.03**	**57.43**	**0.00**	**57.43**	**59.88**	**0.00**	**59.88**	**61.89**	**0.00**	**61.89**	**63.52**	**0.00**	**63.52**	**63.32**	**1.50**	**64.82**	**22%**	**N/A**	**67.19**	**1.50**	**68.69**
SFWMD Total		**121.50**	**0.00**	**121.50**	**156.48**	**0.00**	**156.48**	**175.11**	**0.00**	**175.11**	**189.20**	**0.00**	**189.20**	**202.52**	**0.00**	**202.52**	**212.10**	**0.00**	**212.10**	**75%**	**N/A**	**224.84**	**0.00**	**224.84**
SJRWMD Total		**210.87**	**0.00**	**210.87**	**250.95**	**8.83**	**259.78**	**273.57**	**8.87**	**282.44**	**288.64**	**8.87**	**297.51**	**300.90**	**8.87**	**309.77**	**311.18**	**12.57**	**323.75**	**54%**	**N/A**	**330.47**	**12.70**	**343.17**
SWFWMD Total		**74.46**	**0.00**	**74.46**	**84.73**	**0.00**	**84.73**	**91.67**	**0.00**	**91.67**	**97.28**	**0.00**	**97.28**	**102.19**	**0.00**	**102.19**	**106.34**	**0.00**	**106.34**	**43%**	**N/A**	**112.73**	**0.00**	**112.73**
CFWI Total		**406.83**	**0.00**	**406.83**	**492.16**	**8.83**	**500.99**	**540.35**	**8.87**	**549.22**	**575.12**	**8.87**	**583.99**	**605.61**	**8.87**	**614.48**	**629.62**	**12.57**	**642.19**	**58%**	**N/A**	**668.04**	**12.70**	**680.74**

Notes for **Tables A-5-1a and A-5-1b**.

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2025 to 2045 county population projections were obtained from BEBR Population Projections: Bulletin 192, Published April 2022. (BEBR 2022)

4.) Per capita used to calculate demand projections is an average from 2016 - 2020 and is calculated as (Total Water Use / Total Estimated Population). This per capita is commonly referred to as a gross per capita, as it includes all uses within a utility.

5.) 1-in-10 rainfall year water demand for 2045 calculated as an additional 6 percent of 2045 average water demand.

6.) Surface water quantities were obtained from permits, except for Manufactured Home Communities. Surface water for Manufactured Home Communities estimated using the permitted surface water to total permitted allocation ratio due to water demand being lower than surface water permit quantities.

7.) Public water supply utility service areas often include residences that derive their water supply from privately owned (domestic self-supply) wells. Typically, these domestic self-supply water uses existed prior to their locations becoming part of public water supply service areas. For public water supply service areas, the Districts do not have sufficient information to separate the water use demand served by public supply systems from those served by domestic self-supply wells. Therefore, public water supply water demands estimated often include some domestic self-supply demand.

8.) As a result of stakeholder feedback (OCU), OCU historic and projected population was updated to account for known domestic self-supply within the service area and to add a one percent conversion per year of domestic self-supply to the public supply system.

9.) As a result of stakeholder feedback (OUC), OUC historic and projected population was updated to account for residential utility accounts served.

10.) As a result of stakeholder feedback (SWFMWD), Polk County build-out and City of Lakeland population projections were updated.

CRUSA==Central Regional Utility Service Area; ECFS==East Central Florida Services Inc.; ERUSA==East Regional Utility Service Area; FGUA==Florida Government Utility Authority; GW==groundwater; MHP==mobile home park; NERUSA==Northeast Regional Utility Service Area; NWRUSA==Northwest Regional Service Area; OUC==Orlando Utilities Commission; TWA==Tohopekaliga Water Authority.

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Table A-5a. 2016-2020 water use, population served, and 5-year gross per capita averages for Public Supply permitted equal to or greater than 0.10 mgd in the CFWI Planning Area.

CUP Number	Utility	County	Water Use					Population					2016-2020 Average Gross GPCD
			2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
50245	**City of Cocoa**	**Brevard**	**22.782**	**23.075**	**22.255**	**20.284**	**20.003**	**206,479**	**208,738**	**211,566**	**215,232**	**216,976**	**102**
2392	Southlake Utilities Inc.	Lake - CFWI	1.673	1.620	1.556	1.683	1.679	10,136	10,549	10,547	10,836	11,846	**152**
2453	City of Mascotte	Lake - CFWI	0.421	0.429	0.442	0.556	0.633	7,109	7,203	7,420	7,841	8,413	**65**
2478	City of Clermont	Lake - CFWI	8.450	8.834	8.664	6.479	6.853	37,996	39,292	42,472	44,656	47,779	**185**
2531	Thousand Trails	Lake - CFWI	0.130	0.115	0.128	0.184	0.132	1,420	1,420	1,420	1,420	1,420	**97**
2671	Town of Monteverde	Lake - CFWI	0.223	0.230	0.212	0.182	0.205	2,350	2,397	2,467	2,517	2,378	**87**
2700	Lake Utility Services Inc.	Lake - CFWI	4.185	5.235	5.160	4.564	4.890	25,862	25,854	26,217	27,338	30,622	**177**
2796	City of Groveland	Lake - CFWI	2.267	2.294	2.219	1.909	2.239	18,027	19,594	20,820	22,831	23,639	**104**
2840	Woodlands Church Lake LLC	Lake - CFWI	0.110	0.089	0.084	0.143	0.155	780	768	767	785	854	**147**
2886	City of Minneola	Lake - CFWI	1.890	2.119	2.378	2.323	2.783	14,148	14,674	15,374	16,026	17,302	**148**
2900	Ginn-LA Pine Island LTD LLLP	Lake - CFWI	0.051	0.003	0.054	0.219	1.133	18	20	41	58	68	**7,122**
6398	Clerbrook Golf and RV Resort	Lake - CFWI	0.086	0.191	0.146	0.086	0.175	2,747	2,747	2,747	2,747	2,747	**50**
50115	Ginn-LA Pine Island II LLLP	Lake - CFWI	0.122	0.141	0.077	0.082	0.611	101	102	122	144	177	**1,599**
103822	Colina Bay Water Company	Lake - CFWI	0.092	0.017	0.017	0.020	0.022	141	143	143	148	171	**225**
SJRWMD Lake (CFWI) Total			**19.700**	**21.317**	**21.137**	**18.430**	**21.510**	**120,835**	**124,763**	**130,557**	**137,347**	**147,416**	**154**
3159	Orlando Utilities Commission	Orange	41.629	42.804	42.476	42.861	39.613	231,335	234,902	238,469	234,881	239,112	N/A
49-00103-W	Tohopekaliga Water Authority	Orange	0.000	0.000	0.000	0.000	0.000	2,367	2,388	2,400	2,415	2,456	N/A
48-00134-W, 48-00059-W	Orange County Public Utilities	Orange	21.182	23.003	23.641	23.715	21.362	142,453	148,235	153,998	159,760	165,654	N/A
48-00009-W	RCID	Orange	17.563	16.728	16.079	16.418	11.600	0	0	0	0	0	N/A
48-00995-W	Taft Water Association	Orange	0.254	0.256	0.257	0.253	0.243	2,542	2,567	2,595	2,621	2,689	97
SFWMD Orange Total			**80.628**	**82.791**	**82.453**	**83.247**	**72.818**	**378,697**	**388,092**	**397,462**	**399,677**	**409,911**	**204**

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Table A-5a. 2016-2020 water use, population served, and 5-year gross per capita averages for public supply permitted equal to or greater than 0.10 mgd in the CFWI Planning Area (continued).

CUP Number	Utility	County	Water Use					Population					2016-2020 Average Gross GPCD
			2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
3159	Orlando Utilities Commission	Orange	41.997	43.773	42.596	43.010	42.079	271,701	275,891	280,082	275,866	280,837	N/A
3203	Clarcona Resorts Condominium Association	Orange	0.140	0.135	0.136	0.100	0.142	1,414	1,426	1,439	1,446	1,469	91
3216	City of Ocoee	Orange	3.567	5.654	5.112	3.511	3.384	35,021	35,844	37,295	38,307	37,400	115
3217	City of Apopka	Orange	17.425	16.249	8.671	8.966	9.147	67,623	69,862	72,662	73,848	77,174	167
3301	Zellwood Water Users Inc.	Orange	0.076	0.080	0.075	0.070	0.086	734	740	746	750	762	104
3302	Wedgefield Utilities Inc.	Orange	0.344	0.373	0.306	0.262	0.311	4,209	4,268	4,305	4,358	4,445	74
3317	Orange County Public Utilities	Orange	39.126	40.007	38.748	39.051	41.303	337,332	347,425	357,538	357,381	364,891	N/A
3347	Town of Oakland	Orange	0.436	0.447	0.500	0.620	0.703	3,442	3,474	3,942	4,195	4,266	140
3368	City of Winter Garden	Orange	7.839	7.877	7.486	5.395	5.624	44,540	45,927	47,922	50,243	50,014	143
3383	Rock Springs Palm Isles MHC	Orange	0.114	0.106	0.104	0.111	0.143	1,870	1,887	1,896	1,905	1,936	61
3407	Town of Eatonville	Orange	0.317	0.369	0.220	0.275	0.267	2,312	2,367	2,387	2,412	2,414	122
7624	City of Winter Park	Orange	10.238	10.436	13.044	7.495	10.366	62,136	62,455	63,645	64,408	64,568	163
50258	City of Maitland	Orange	2.738	2.696	2.973	2.583	2.564	10,700	10,591	11,228	13,228	12,156	234
51073	Aqua Utilities of Florida, Inc.	Orange	0.076	0.093	0.066	0.064	0.072	2,225	2,278	2,313	2,344	2,411	32
86536	Hometown America	Orange	0.094	0.004	0.147	0.155	0.153	2,274	2,295	2,306	2,318	2,355	48
92244	Sun Communities Inc	Orange	0.104	0.002	0.103	0.000	0.000	1,165	1,176	1,182	1,187	1,207	35
SJRWMD Orange Total			**124.631**	**128.301**	**120.287**	**111.668**	**116.344**	**848,698**	**867,906**	**890,888**	**894,196**	**908,305**	136
3159	**Orlando Utilities Commission**	**Orange**	**83.626**	**86.577**	**85.072**	**85.871**	**81.692**	**503,036**	**510,793**	**518,551**	**510,747**	**519,949**	165
3317	**Orange County Public Utilities**	**Orange**	**60.308**	**63.010**	**62.389**	**62.766**	**62.665**	**479,785**	**495,660**	**511,536**	**517,141**	**530,545**	123

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Table A-5a. 2016-2020 water use, population served, and 5-year gross per capita averages for public supply permitted equal to or greater than 0.10 mgd in the CFWI Planning Area (continued).

CUP Number	Utility	County	Water Use					Population					2016-2020 Average Gross GPCD
			2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
	East Central FL Services Inc.	Osceola	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	N/A
49-00084-W	St. Cloud Utility	Osceola	5.557	6.010	6.107	6.505	7.014	64,339	67,848	70,820	73,980	85,426	86
49-00103-W	Tohopekaliga Water Authority	Osceola	28.876	30.597	32.244	35.234	31.920	247,427	258,368	270,001	284,231	291,082	118
49-00812-W	Pleasant Hill	Osceola	0.105	0.105	0.105	0.105	0.105	600	600	600	600	600	175
49-01268-W	Tropical Palms Resort	Osceola	0.008	0.011	0.001	0.005	0.024	190	193	196	201	194	50
49-01945-W	The Floridan RV Resort	Osceola	0.057	0.113	0.087	0.086	0.099	219	223	227	232	224	393
SFWMD Osceola Total			**34.603**	**36.836**	**38.544**	**41.935**	**39.162**	**312,775**	**327,232**	**341,844**	**359,244**	**377,526**	**113**
	East Central FL Services Inc.	Osceola	0.000	0.000	0.000	0.000	0.000	174	177	180	184	178	0
	Tohopekaliga Water Authority	Osceola	0.000	0.000	0.000	0.000	0.000	1,019	1,044	1,073	1,101	1,083	N/A
SJRWMD Osceola Total			**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1,193**	**1,221**	**1,253**	**1,285**	**1,261**	**0**
49-00103-W	Tohopekaliga Water Authority (Poinciana)	Polk	6.477	7.566	7.171	7.210	7.189	28,115	28,952	29,569	30,642	33,357	236
53-00026-W	River Ranch	Polk	0.164	0.169	0.158	0.145	0.158	575	583	582	586	606	271
53-00030-W	Lake Wales Utility Company	Polk	0.090	0.074	0.075	0.072	0.081	1,655	1,677	1,671	1,683	1,734	47
53-00126-W	Polk County Utilities (Oak Hills)	Polk	1.988	2.282	2.177	2.202	1.836	2,039	2,306	2,664	3,098	3,532	769
53-00333-W	Resort at Canopy Oaks	Polk	0.000	0.000	0.000	0.000	0.009	41	41	41	41	43	43
SFWMD Polk Total			**8.719**	**10.091**	**9.581**	**9.629**	**9.273**	**32,425**	**33,559**	**34,527**	**36,050**	**39,272**	**269**

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Table A-5a. 2016-2020 water use, population served, and 5-year gross per capita averages for public supply permitted equal to or greater than 0.10 mgd in the CFWI Planning Area (continued).

CUP Number	Utility	County	Water Use					Population					2016-2020 Average Gross GPCD
			2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
341	City of Bartow	Polk	2.998	3.062	3.085	3.188	3.140	24,506	24,845	25,187	25,574	25,429	123
587	Lelynn RV Resort	Polk	0.020	0.021	0.024	0.021	0.021	262	265	264	266	274	80
645	City of Fort Meade	Polk	0.589	0.567	0.542	0.578	0.565	7,470	7,447	7,719	7,530	6,912	77
1616	Lake Region Mobile Home Owners	Polk	0.072	0.097	0.088	0.113	0.092	986	1,006	1,012	1,031	1,064	91
1625	Four Lakes Golf Club	Polk	0.384	0.408	0.302	0.333	0.327	1,052	1,064	1,060	1,067	1,100	328
2332	Lake Hamilton	Polk	0.277	0.256	0.241	0.302	0.297	1,313	1,336	1,382	1,432	1,539	196
3415	Orchid Springs Development Corp	Polk	0.064	0.059	0.061	0.062	0.069	1,039	1,051	1,048	1,055	1,087	60
4005	Park Water Company	Polk	0.236	0.234	0.236	0.243	0.261	2,654	2,977	2,969	2,995	3,087	82
4607	City of Winter Haven	Polk	9.398	10.016	9.588	9.800	10.159	74,036	76,130	77,869	80,240	85,847	124
4658	City of Lake Wales	Polk	2.452	2.505	2.477	2.684	2.672	23,843	23,982	24,396	24,760	25,357	105
4912	City of Lakeland Electric and Water	Polk	20.785	21.045	20.645	21.851	22.080	163,288	165,891	167,973	170,822	178,190	126
5251	Grenelefe Resort Utility, Inc.	Polk	0.994	0.876	1.147	0.994	1.123	2,811	2,847	2,842	2,863	2,949	359
5750	City of Davenport	Polk	0.837	0.970	1.254	1.458	1.798	6,887	7,602	8,264	8,728	11,715	146
5870	City of Frostproof	Polk	0.389	0.398	0.407	0.359	0.319	4,698	4,742	4,758	4,845	4,584	79
5893	Town of Dundee	Polk	0.527	0.637	0.654	0.669	0.784	5,057	5,316	5,614	5,919	6,230	116
6023	North Pointe HOA	Polk	0.024	0.025	0.029	0.026	0.026	149	151	150	151	156	172
6124	City of Mulberry	Polk	0.383	0.394	0.391	0.392	0.405	4,418	4,448	4,460	4,581	4,586	87
6174	Saddlebag Lake Resort	Polk	0.087	0.090	0.088	0.081	0.097	646	657	662	671	695	133
6505	Polk County Utilities - NWRUSA	Polk	2.504	2.699	2.572	2.764	2.872	42,646	43,382	43,524	44,062	45,892	61

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Table A-5a. 2016-2020 water use, population served, and 5-year gross per capita averages for public supply permitted equal to or greater than 0.10 mgd in the CFWI Planning Area (continued).

CUP Number	Utility	County	Water Use					Population					2016-2020 Average Gross GPCD
			2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
6506	Polk County Utilities - SWRUSA	Polk	3.170	3.349	3.273	3.302	3.551	41,274	42,347	43,439	44,359	46,310	76
6507	Polk County Utilities - CRUSA	Polk	1.017	1.003	0.992	1.106	1.205	15,097	15,378	15,445	15,679	16,414	68
6508	Polk County Utilities - SERUSA	Polk	0.617	0.588	0.583	0.650	0.642	6,006	6,083	6,068	6,120	6,294	101
6509	Polk County Utilities - NERUSA	Polk	6.828	7.302	7.336	7.898	8.182	47,007	48,463	49,927	53,247	57,570	147
6624	City of Lake Alfred	Polk	1.079	1.104	0.954	0.955	0.886	9,240	9,465	9,504	9,779	10,067	104
6920	City of Eagle Lake	Polk	0.351	0.418	0.341	0.351	0.522	4,540	4,657	4,711	4,814	5,251	83
7119	City of Auburndale	Polk	4.751	5.028	4.746	5.508	5.398	33,273	34,170	34,431	34,986	35,209	148
7187	CHCVII Lake Henry MHP	Polk	0.267	0.209	0.263	0.250	0.195	1,034	1,046	1,043	1,050	1,081	225
7328	Carefree RV Country Club	Polk	0.104	0.108	0.127	0.108	0.109	788	803	804	811	837	138
7878	Aqua Utilities Florida, Inc. - Lake Gibson	Polk	0.148	0.149	0.140	0.137	0.137	2,101	2,126	2,121	2,135	2,200	67
8054	Polk County Utilities - ERUSA	Polk	0.440	0.460	0.497	0.478	0.501	4,142	4,202	4,203	4,245	4,399	112
8344	CHCIII Swift Village MHP	Polk	0.144	0.147	0.140	0.146	0.128	586	596	600	607	641	233
8468	City of Polk City	Polk	0.362	0.336	0.356	0.271	0.440	7,591	7,822	8,128	8,431	9,052	43
8522	City of Haines City	Polk	4.667	4.979	4.899	5.057	5.077	31,070	31,990	32,882	34,856	36,933	147
8967	Sweetwater Community LLC	Polk	0.122	0.115	0.108	0.121	0.113	527	533	531	535	551	216
12800	Hanover Jordans Grove, LLC	Polk	0.179	0.039	0.118	0.142	0.000	18	18	164	393	704	369
12964	Alafia Preserve LLC; Eagle Ridge LLC; and Donaldson	Polk	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	N/A
13043	Utilities, Inc - Cypress Lakes Utilities Inc.	Polk	0.181	0.191	0.190	0.229	0.236	1,196	1,216	1,214	1,223	1,263	168
SWFWMD Polk Total			**67.447**	**69.884**	**68.894**	**72.627**	**74.429**	**573,251**	**586,054**	**596,368**	**611,862**	**641,469**	**117**

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Table A-5a. 2016-2020 water use, population served, and 5-year gross per capita averages for public supply permitted equal to or greater than 0.10 mgd in the CFWI Planning Area (continued).

CUP Number	Utility	County	Water Use					Population					2016-2020 Average Gross GPCD
			2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
160	Sanlando Utilities Corp.	Seminole	7.619	6.778	5.903	5.907	5.696	33,255	33,459	34,179	34,262	33,987	**189**
162	City of Sanford	Seminole	6.855	6.696	6.418	6.766	7.019	66,774	67,417	68,649	69,856	70,953	**98**
8213, 95581	Seminole County Environmental Services	Seminole	16.340	15.955	15.255	15.448	15.670	123,053	124,439	125,601	129,319	129,648	**124**
8238	City of Winter Springs	Seminole	3.705	3.710	4.222	3.910	3.787	35,972	36,508	37,500	38,454	38,227	**104**
8252	City of Oviedo	Seminole	5.130	4.926	4.296	4.364	4.733	36,995	37,492	39,313	39,461	39,447	**122**
8266	Hometown America	Seminole	0.084	0.081	0.119	0.082	0.087	2,173	2,184	2,194	2,193	2,176	**41**
8271	Mullet Lake Water System	Seminole	0.062	0.064	0.065	0.061	0.072	822	832	846	854	860	**77**
8274	City of Longwood	Seminole	1.687	1.593	1.688	1.746	1.685	13,906	14,151	14,256	14,755	14,019	**118**
8282	City of Lake Mary	Seminole	3.327	3.190	3.705	3.673	3.220	14,986	15,394	15,604	16,268	15,601	**220**
8284	City of Casselberry	Seminole	4.801	4.548	4.140	4.056	4.431	47,051	47,865	49,294	49,523	47,986	**91**
8345	Utilities Inc. of Florida	Seminole	0.062	0.002	0.071	0.071	0.071	527	529	533	532	523	**105**
8346	Utilities Inc. of Florida	Seminole	0.212	0.210	0.206	0.204	0.215	2,614	2,627	2,638	2,638	2,617	**80**
8352	Utilities Inc. of Florida	Seminole	0.059	0.095	0.101	0.111	0.115	907	912	921	924	916	**105**
8362	FGUA	Seminole	0.506	0.507	0.452	0.427	0.488	5,061	5,103	5,140	5,163	5,158	**93**
8372	City of Altamonte Springs	Seminole	5.990	6.072	5.808	5.676	5.724	52,707	53,343	54,127	54,483	55,358	**108**
SJRWMD Seminole Total			**56.439**	**54.427**	**52.449**	**52.502**	**53.013**	**436,803**	**442,255**	**450,795**	**458,685**	**457,476**	**120**

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Table A-5a. 2016-2020 water use, population served, and 5-year gross per capita averages for public supply permitted equal to or greater than 0.10 mgd in the CFWI Planning Area (continued).

District	Water Use					Population					2016-2020 Average Gross GPCD
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
SFWMD Total	**123.950**	**129.718**	**130.578**	**134.811**	**121.253**	**723,897**	**748,883**	**773,833**	**794,971**	**826,709**	**166**
SJRWMD Total	**223.552**	**227.120**	**216.128**	**202.884**	**210.870**	**1,614,008**	**1,644,883**	**1,685,059**	**1,706,745**	**1,731,434**	**129**
SWFWMD Total	**67.447**	**69.884**	**68.894**	**72.627**	**74.429**	**573,251**	**586,054**	**596,368**	**611,862**	**641,469**	**117**
CFWI Total	**414.949**	**426.722**	**415.600**	**410.322**	**406.552**	**2,911,156**	**2,979,820**	**3,055,260**	**3,113,578**	**3,199,612**	**136**

Notes for **Table A-5a.**

FGUA==Florida Government Utility Authority; GPCD==gallons per capital daily; MHP==mobile home park; NWRUSA==Northwest Regional Utility Service Area; RCID==Reedy Creek Improvement District; SWRUSA==Southwest Regional Utility Service Area.

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Table A-6-1a. Domestic self-supply and small public supply systems population and water use for 2020, domestic self-supply and small public supply systems population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2020-2045 by District and county in the CFWI Planning Area: Population values.

County/ District	Population	Population Projections					Percent Population Change 2020-2045
	2020	2025	2030	2035	2040	2045	
Lake (CFWI) - SJRWMD	3,426	5,016	6,530	7,927	9,192	10,125	196%
Lake (CFWI) - SWFWMD	1,141	1,732	2,351	2,904	3,391	3,813	234%
Lake – CFWI Total	**4,567**	**6,748**	**8,881**	**10,831**	**12,583**	**13,938**	**205%**
Orange – SFWMD	45,615	58,277	47,984	36,911	28,787	22,835	-50%
Orange – SJRWMD	66,077	40,630	37,014	34,258	27,483	7,354	-89%
Orange Total	**111,692**	**98,907**	**84,998**	**71,169**	**56,270**	**30,189**	**-73%**
Osceola – SFWMD	9,869	10,251	10,470	10,670	10,857	11,573	17%
Osceola – SJRWMD	0	1,196	2,342	3,370	4,277	5,067	N/A
Osceola Total	**9,869**	**11,447**	**12,812**	**14,040**	**15,134**	**16,640**	**69%**
Polk – SFWMD	6,111	6,961	7,881	8,720	9,432	10,051	64%
Polk – SWFWMD	36,825	40,976	44,821	48,036	49,775	51,514	40%
Polk Total	**42,936**	**47,937**	**52,702**	**56,756**	**59,207**	**61,565**	**43%**
Seminole – SJRWMD	**13,380**	**18,877**	**20,250**	**20,985**	**21,562**	**22,082**	**65%**
SFWMD Total	**24,694**	**28,726**	**32,510**	**35,652**	**37,324**	**39,017**	**58%**
SJRWMD Total	**29,408**	**34,275**	**38,973**	**42,948**	**45,327**	**47,634**	**62%**
SWFWMD Total	**13,380**	**18,877**	**20,250**	**20,985**	**21,562**	**22,082**	**65%**
CFWI Total	**418,990**	**430,833**	**430,769**	**426,162**	**412,163**	**375,479**	**-10%**

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Table A-6-1b. Domestic self-supply and small public supply systems population and water use for 2020, domestic self-supply and small public supply systems population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by District and county in the CFWI Planning Area: Demand values.

County/ District	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020 - 2045	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045				2045		
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total		GW	SW	Total
Lake (CFWI) SJRWMD	0.26	0.00	0.26	0.44	0.00	0.44	0.62	0.00	0.62	0.79	0.00	0.79	0.94	0.00	0.94	1.07	0.00	1.07	312%	1.12	0.00	1.12
Lake (CFWI) SWFWMD	0.14	0.00	0.14	0.21	0.00	0.21	0.29	0.00	0.29	0.36	0.00	0.36	0.42	0.00	0.42	0.47	0.00	0.47	236%	0.50	0.00	0.50
Lake – CFWI Total	**0.40**	**0.00**	**0.40**	**0.65**	**0.00**	**0.65**	**0.91**	**0.00**	**0.91**	**1.15**	**0.00**	**1.15**	**1.36**	**0.00**	**1.36**	**1.54**	**0.00**	**1.54**	**285%**	**1.62**	**0.00**	**1.62**
Orange - SFWMD	5.40	0.00	5.40	6.89	0.00	6.89	5.68	0.00	5.68	4.37	0.00	4.37	3.42	0.00	3.42	2.71	0.00	2.71	-50%	2.87	0.00	2.87
Orange - SJRWMD	7.79	0.00	7.79	4.77	0.00	4.77	4.34	0.00	4.34	4.02	0.00	4.02	3.22	0.00	3.22	0.84	0.00	0.84	-89%	0.89	0.00	0.89
Orange - Total	**13.19**	**0.00**	**13.19**	**11.66**	**0.00**	**11.66**	**10.02**	**0.00**	**10.02**	**8.39**	**0.00**	**8.39**	**6.64**	**0.00**	**6.64**	**3.55**	**0.00**	**3.55**	**-73%**	**3.76**	**0.00**	**3.76**
Osceola - SFWMD	1.23	0.00	1.23	1.30	0.00	1.30	1.32	0.00	1.32	1.35	0.00	1.35	1.37	0.00	1.37	1.45	0.00	1.45	18%	1.52	0.00	1.52
Osceola - SJRWMD	0.00	0.00	0.00	0.13	0.00	0.13	0.26	0.00	0.26	0.38	0.00	0.38	0.48	0.00	0.48	0.57	0.00	0.57	N/A	0.60	0.00	0.60
Osceola - Total	**1.23**	**0.00**	**1.23**	**1.43**	**0.00**	**1.43**	**1.58**	**0.00**	**1.58**	**1.73**	**0.00**	**1.73**	**1.85**	**0.00**	**1.85**	**2.02**	**0.00**	**2.02**	**64%**	**2.12**	**0.00**	**2.12**
Polk - SFWMD	0.67	0.00	0.67	0.80	0.00	0.80	0.89	0.00	0.89	0.97	0.00	0.97	1.03	0.00	1.03	1.10	0.00	1.10	64%	1.15	0.00	1.15
Polk - SWFWMD	3.40	0.00	3.40	3.88	0.00	3.88	4.23	0.00	4.23	4.52	0.00	4.52	4.68	0.00	4.68	4.84	0.00	4.84	42%	5.06	0.00	5.06
Polk - Total	**4.07**	**0.00**	**4.07**	**4.68**	**0.00**	**4.68**	**5.12**	**0.00**	**5.12**	**5.49**	**0.00**	**5.49**	**5.71**	**0.00**	**5.71**	**5.94**	**0.00**	**5.94**	**46%**	**6.21**	**0.00**	**6.21**
Seminole SJRWMD	**1.07**	**0.00**	**1.07**	**1.49**	**0.00**	**1.49**	**1.60**	**0.00**	**1.60**	**1.66**	**0.00**	**1.66**	**1.70**	**0.00**	**1.70**	**1.75**	**0.00**	**1.75**	**64%**	**1.84**	**0.00**	**1.84**

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Table A-6-1b. Domestic self-supply and small public supply systems population and water use for 2020, domestic self-supply and small public supply systems population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by District and county in the CFWI Planning Area: Demand values (continued).

District	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045				2045		
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total		GW	SW	Total
SFWMD Total	7.30	0.00	7.30	8.99	0.00	8.99	7.89	0.00	7.89	6.69	0.00	6.69	5.82	0.00	5.82	5.26	0.00	5.26	-28%	5.54	0.00	5.54
SJRWMD Total	9.12	0.00	9.12	6.83	0.00	6.83	6.82	0.00	6.82	6.85	0.00	6.85	6.34	0.00	6.34	4.23	0.00	4.23	-54%	4.45	0.00	4.45
SWFWMD Total	3.54	0.00	3.54	4.09	0.00	4.09	4.52	0.00	4.52	4.88	0.00	4.88	5.10	0.00	5.10	5.31	0.00	5.31	50%	5.56	0.00	5.56
CFWI Total	19.96	0.00	19.96	19.91	0.00	19.91	19.23	0.00	19.23	18.42	0.00	18.42	17.26	0.00	17.26	14.80	0.00	14.80	-26%	15.55	0.00	15.55

Notes for **Tables A-6-1a and -A-6-1b.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) Public water supply utility service areas often include residences that derive their water supply from privately owned (domestic self-supply) wells. Typically, these domestic self-supply water uses existed prior to their locations becoming part of public water supply service areas. For public water supply service areas, the Districts do not have sufficient information to separate the populations served by public supply systems from those served by domestic self-supply wells. Therefore, public water supply populations estimated often include some domestic self-supply population.

4.) 1-in-10 rainfall year water demand for 2045 calculated as an additional 6 percent of 2045 average water demand.

GW==groundwater; SW==surface water.

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Table A-6a-1a. Domestic self-supply population and water use for 2020, population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2025-2045 by District and county in the CFWI Planning Area: Population values.

County/ District	Population	Population Projections					Percent Population Change 2020-2045
	2020	2025	2030	2035	2040	2045	
Lake (CFWI) -SJRWMD	705	2,160	3,600	4,927	6,120	6,955	887%
Lake (CFWI) SWFWMD	1,141	1,732	2,351	2,904	3,391	3,813	234%
Lake – CFWI Total	**1,846**	**3,892**	**5,951**	**7,831**	**9,511**	**10,768**	**483%**
Orange -SFWMD	44,924	57,584	47,291	36,218	28,094	22,142	-51%
Orange – SJRWMD	64,547	39,084	35,465	32,702	25,925	5,789	-91%
Orange -Total	**109,471**	**96,668**	**82,756**	**68,920**	**54,019**	**27,931**	**-74%**
Osceola – SFWMD	8,621	9,004	9,223	9,423	9,610	10,326	20%
Osceola – SJRWMD	0	1,196	2,342	3,370	4,277	5,067	N/A
Osceola Total	**8,621**	**10,200**	**11,565**	**12,793**	**13,887**	**15,393**	**79%**
Polk – SFWMD	5,405	6,242	7,156	7,989	8,696	9,310	72%
Polk – SWFWMD	24,003	28,033	31,817	34,959	36,631	38,324	60%
Polk – Total	**29,408**	**34,275**	**38,973**	**42,948**	**45,327**	**47,634**	**62%**
Seminole – SJRWMD	8,960	14,239	15,517	16,204	16,747	17,236	92%
SFWMD Total	**58,950**	**72,830**	**63,670**	**53,630**	**46,400**	**41,778**	**-29%**
SJRWMD Total	**74,212**	**56,679**	**56,924**	**57,203**	**53,069**	**35,047**	**-53%**
SWFWMD Total	**25,144**	**29,765**	**34,168**	**37,863**	**40,022**	**42,137**	**68%**
CFWI Total	**158,306**	**159,274**	**154,762**	**148,696**	**139,491**	**118,962**	**-25%**

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Table A-6a-1b. Domestic self-supply population and water use for 2020, population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2025-2045 by District and county in the CFWI Planning Area: Demand values.

County/ District	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	2016 - 2020 Avg GPCD	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045					2045		
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Lake (CFWI) SJRWMD	0.09	0.00	0.09	0.27	0.00	0.27	0.44	0.00	0.44	0.61	0.00	0.61	0.75	0.00	0.75	0.86	0.00	0.86	856%	N/A	0.91	0.00	0.91
Lake (CFWI) SWFWMD	0.14	0.00	0.14	0.21	0.00	0.21	0.29	0.00	0.29	0.36	0.00	0.36	0.42	0.00	0.42	0.47	0.00	0.47	236%	N/A	0.50	0.00	0.50
Lake – CFWI Total	**0.23**	**0.00**	**0.23**	**0.48**	**0.00**	**0.48**	**0.73**	**0.00**	**0.73**	**0.97**	**0.00**	**0.97**	**1.17**	**0.00**	**1.17**	**1.33**	**0.00**	**1.33**	**478%**	**123**	**1.41**	**0.00**	**1.41**
Orange - SFWMD	5.30	0.00	5.30	6.79	0.00	6.79	5.58	0.00	5.58	4.27	0.00	4.27	3.32	0.00	3.32	2.61	0.00	2.61	-51%	N/A	2.77	0.00	2.77
Orange - SJRWMD	7.62	0.00	7.62	4.61	0.00	4.61	4.18	0.00	4.18	3.86	0.00	3.86	3.06	0.00	3.06	0.68	0.00	0.68	-91%	N/A	0.72	0.00	0.72
Orange - Total	**12.92**	**0.00**	**12.92**	**11.40**	**0.00**	**11.40**	**9.76**	**0.00**	**9.76**	**8.13**	**0.00**	**8.13**	**6.38**	**0.00**	**6.38**	**3.29**	**0.00**	**3.29**	**-75%**	**118**	**3.49**	**0.00**	**3.49**
Osceola - SFWMD	0.97	0.00	0.97	1.01	0.00	1.01	1.03	0.00	1.03	1.06	0.00	1.06	1.08	0.00	1.08	1.16	0.00	1.16	20%	N/A	1.23	0.00	1.23
Osceola - SJRWMD	0.00	0.00	0.00	0.13	0.00	0.13	0.26	0.00	0.26	0.38	0.00	0.38	0.48	0.00	0.48	0.57	0.00	0.57	N/A	N/A	0.60	0.00	0.60
Osceola - Total	**0.97**	**0.00**	**0.97**	**1.14**	**0.00**	**1.14**	**1.29**	**0.00**	**1.29**	**1.44**	**0.00**	**1.44**	**1.56**	**0.00**	**1.56**	**1.73**	**0.00**	**1.73**	**78%**	**112**	**1.83**	**0.00**	**1.83**
Polk - SFWMD	0.49	0.00	0.49	0.56	0.00	0.56	0.64	0.00	0.64	0.72	0.00	0.72	0.78	0.00	0.78	0.84	0.00	0.84	71%	N/A	0.89	0.00	0.89
Polk - SWFWMD	2.16	0.00	2.16	2.52	0.00	2.52	2.86	0.00	2.86	3.15	0.00	3.15	3.30	0.00	3.30	3.45	0.00	3.45	60%	N/A	3.66	0.00	3.66
Polk Total	**2.65**	**0.00**	**2.65**	**3.08**	**0.00**	**3.08**	**3.50**	**0.00**	**3.50**	**3.87**	**0.00**	**3.87**	**4.08**	**0.00**	**4.08**	**4.29**	**0.00**	**4.29**	**62%**	**90**	**4.55**	**0.00**	**4.55**
Seminole - SJRWMD	**0.76**	**0.00**	**0.76**	**1.21**	**0.00**	**1.21**	**1.32**	**0.00**	**1.32**	**1.38**	**0.00**	**1.38**	**1.42**	**0.00**	**1.42**	**1.47**	**0.00**	**1.47**	**93%**	**85**	**1.56**	**0.00**	**1.56**
SFWMD Total	**6.76**	**0.00**	**6.76**	**8.36**	**0.00**	**8.36**	**7.25**	**0.00**	**7.25**	**6.05**	**0.00**	**6.05**	**5.18**	**0.00**	**5.18**	**4.61**	**0.00**	**4.61**	**-32%**	**N/A**	**4.89**	**0.00**	**4.89**
SJRWMD Total	**8.47**	**0.00**	**8.47**	**6.22**	**0.00**	**6.22**	**6.20**	**0.00**	**6.20**	**6.23**	**0.00**	**6.23**	**5.71**	**0.00**	**5.71**	**3.58**	**0.00**	**3.58**	**-58%**	**N/A**	**3.79**	**0.00**	**3.79**
SWFWMD Total	**2.30**	**0.00**	**2.30**	**2.73**	**0.00**	**2.73**	**3.15**	**0.00**	**3.15**	**3.51**	**0.00**	**3.51**	**3.72**	**0.00**	**3.72**	**3.92**	**0.00**	**3.92**	**70%**	**N/A**	**4.16**	**0.00**	**4.16**
CFWI Total	**17.53**	**0.00**	**17.53**	**17.31**	**0.00**	**17.31**	**16.60**	**0.00**	**16.60**	**15.79**	**0.00**	**15.79**	**14.61**	**0.00**	**14.61**	**12.11**	**0.00**	**12.11**	**-31%**	**N/A**	**12.84**	**0.00**	**12.84**

Notes for **Tables A-6a-1a and A-6a-1b.**

1.) All water use and water demand projections are shown in million gallons per day (mgd). Average water use is shown in gallons per consumer per day (gpcd).

2.) Rounding errors account for nominal discrepancies.

3.) 2025 to 2045 county population projections were obtained from BEBR Population Projections: Bulletin 192, Published April 2022. (BEBR 2022)

4.) Population projections shown here are permanent population projections only and do not include any factors such as seasonal residents, tourist population, or net commuter population.

5.) Per capita used to calculate demand projections is an average from 2016-2020 and is calculated as (Total County-wide Residential Water Use / Total Estimated Population). This per capita is commonly referred to as a residential per capita, as it only includes the indoor and outdoor residential uses.

6.) 1-in-10 rainfall year water demand for 2045 calculated as an additional 6 percent of 2045 average water demand.

GW==groundwater; SW==surface water.

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Lake County.

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
2392	Cagan Management Corp	Large	Lake – CFWI SJRWMD	1.673	99.0%	1.656	10,136	163	1.620	99.0%	1.604	10,549	152
2453	City of Mascotte	Large	Lake - CFWI SJRWMD	0.421	94.6%	0.398	7,109	56	0.429	94.6%	0.406	7,203	56
2478	City of Clermont	Large	Lake - CFWI SJRWMD	8.450	89.7%	7.580	37,996	199	8.834	89.7%	7.924	39,292	202
2531	Thousand Trails Inc	Large	Lake - CFWI SJRWMD	0.130	65.0%	0.085	1,420	60	0.115	65.0%	0.075	1,420	53
2671	Town of Monteverde	Large	Lake - CFWI SJRWMD	0.223	56.3%	0.126	2,350	54	0.230	56.3%	0.129	2,397	54
2700	Lake Utility Services Inc.	Large	Lake - CFWI SJRWMD	4.185	58.2%	2.436	25,862	94	5.235	58.2%	3.047	25,854	118
2796, 2913	City of Groveland	Large	Lake - CFWI SJRWMD	2.267	75.4%	1.709	18,027	95	2.294	75.4%	1.730	19,594	88
2840	Woodlands Church Lake LLC	Large	Lake - CFWI SJRWMD	0.110	87.2%	0.096	780	123	0.089	87.2%	0.078	768	102
2886	City of Minneola	Large	Lake - CFWI SJRWMD	1.890	74.0%	1.399	14,148	99	2.119	74.0%	1.568	14,674	107
2900	Ginn-LA Pine Island LTD LLLP	Large	Lake - CFWI SJRWMD	0.051	23.9%	0.012	18	667	0.003	23.9%	0.001	20	50
6398	Clerbrook Golf and RV Resort	Large	Lake - CFWI SJRWMD	0.086	50.0%	0.043	2,747	16	0.191	50.0%	0.096	2,747	35
50115	Ginn-LA Pine Island II LLLP	Large	Lake - CFWI SJRWMD	0.122	28.3%	0.035	101	347	0.141	28.3%	0.040	102	392
103822	Colina Bay Water Company	Large	Lake - CFWI SJRWMD	0.092	79.0%	0.073	141	N/A	0.017	79.0%	0.013	143	N/A
166520	Timber Village Mobile Home Pk	Small	Lake - CFWI SJRWMD	0.013	100.0%	0.013	255	51	0.013	100.0%	0.013	252	52

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Lake County (continued).

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
2565	MHC OL Utility System LLC	Small	Lake - CFWI SJRWMD	0.032	88.0%	0.028	554	51	0.002	88.0%	0.002	545	4
2847	Vacation Village Condominium Assn	Small	Lake - CFWI SJRWMD	0.033	75.0%	0.025	459	54	0.001	75.0%	0.001	452	2
2890	Monteverde Mobile Home Subd Assn Inc	Small	Lake - CFWI SJRWMD	0.019	100.0%	0.019	673	28	0.001	100.0%	0.001	665	2
2893	Torch Lite MHP LLC	Small	Lake - CFWI SJRWMD	0.005	94.2%	0.005	128	39	0.000	94.2%	0.000	127	0
2927	Four Winds Ecclesia	Small	Lake - CFWI SJRWMD	0.000	100.0%	0.000	N/A	N/A	0.000	100.0%	0.000	N/A	N/A
2989	Citrus Cove Homeowners Assoc	Small	Lake - CFWI SJRWMD	0.015	90.0%	0.014	107	131	0.001	90.0%	0.001	105	10
4487	Edgewater Beach Homeowners Assoc	Small	Lake - CFWI SJRWMD	0.000	90.2%	0.000	109	0	0.000	90.2%	0.000	107	0
10846	Presco Associates LLC	Small	Lake - CFWI SJRWMD	0.000	100.0%	0.000	0	N/A	0.000	100.0%	0.000	0	N/A
50218	Highlands MHP and Sales Inc	Small	Lake - CFWI SJRWMD	0.013	100.0%	0.013	174	75	0.001	100.0%	0.001	171	6
50307	Lake-Ulmerton Corporation	Small	Lake - CFWI SJRWMD	0.022	80.6%	0.018	7	2,571	0.001	80.6%	0.001	7	143
Lake (CFWI) Total				**19.852**	**79.5%**	**15.783**	**123,301**	**128**	**21.337**	**78.4%**	**16.731**	**127,194**	**132**

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Orange County.

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
48-00009-W	RCID	Large	Orange SFWMD	17.563	100.0%	17.563	0	N/A	16.728	100.0%	16.728	0	N/A
48-00995-W	Taft Water Association	Large	Orange SFWMD	0.254	100.0%	0.254	2,542	100	0.256	100.0%	0.256	2,567	100
3203	Clarcona Resorts Condominium Association	Large	Orange SJRWMD	0.140	89.4%	0.125	1,414	88	0.135	89.4%	0.121	1,426	85
3216	City of Ocoee	Large	Orange SJRWMD	3.567	75.0%	2.675	35,021	76	5.654	75.0%	4.241	35,844	118
3217	City of Apopka	Large	Orange SJRWMD	17.425	75.5%	13.156	67,623	195	16.249	75.5%	12.268	69,862	176
3301	Zellwood Water Users Inc.	Large	Orange SJRWMD	0.076	84.3%	0.064	734	87	0.080	84.3%	0.067	740	91
3302	Wedgefield Utilities Inc.	Large	Orange SJRWMD	0.344	83.7%	0.288	4,209	68	0.373	83.7%	0.312	4,268	73
3347	Town of Oakland	Large	Orange SJRWMD	0.436	74.4%	0.324	3,442	94	0.447	74.4%	0.333	3,474	96
3368	City of Winter Garden	Large	Orange SJRWMD	7.839	80.0%	6.271	44,540	141	7.877	80.0%	6.302	45,927	137
3383	Rock Springs Palm Isles MHC LLC	Large	Orange SJRWMD	0.114	86.8%	0.099	1,870	53	0.106	86.8%	0.092	1,887	49
3407	Town of Eatonville	Large	Orange SJRWMD	0.317	51.0%	0.162	2,312	70	0.369	51.0%	0.188	2,367	79
7624	City of Winter Park	Large	Orange SJRWMD	10.238	66.5%	6.808	62,136	110	10.436	66.5%	6.940	62,455	111
50258	City of Maitland	Large	Orange SJRWMD	2.738	52.0%	1.424	10,700	133	2.696	52.0%	1.402	10,591	132
51073	Aqua Utilities of Florida, Inc.	Large	Orange SJRWMD	0.076	100.0%	0.076	2,225	34	0.093	100.0%	0.093	2,278	41
86536	MHC SR Utility Systems LLC	Large	Orange SJRWMD	0.094	100.0%	0.094	2,274	41	0.004	100.0%	0.004	2,295	2
92244	Sun Communities Inc	Large	Orange SJRWMD	0.104	93.3%	0.097	1,165	83	0.002	93.3%	0.002	1,176	2
3159	Orlando Utilities Commission	Large	Orange SFWMD / SJRWMD	83.626	52.8%	44.155	503,036	88	86.577	52.8%	45.713	510,793	89
3317, 48-00134-W, 48-00059-W	Orange County Public Utilities	Large	Orange SFWMD SJRWMD	60.308	100.0%	60.308	479,785	126	63.010	100.0%	63.010	495,660	127

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Orange County (continued).

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
48-00332-W	Hidden Valley	Small	Orange SFWMD	0.061	100.0%	0.061	691	88	0.061	100.0%	0.061	691	88
48-00827-W	Orlando Lake Whippoorwill KOA	Small	Orange SFWMD	0.035	100.0%	0.035	N/A	N/A	0.035	100.0%	0.035	N/A	N/A
3236	Ola Beach Improvement Assoc.	Small	Orange SJRWMD	0.013	86.6%	0.011	170	65	0.001	86.6%	0.001	172	6
3299	Trimble Park	Small	Orange SJRWMD	0.000	100.0%	0.000	N/A	N/A	0.000	100.0%	0.000	N/A	N/A
3322	Forty Acres Holding Co	Small	Orange SJRWMD	0.000	100.0%	0.000	0	N/A	0.000	100.0%	0.000	0	N/A
3370	Orange Blossom RV Resort LLC	Small	Orange SJRWMD	0.003	100.0%	0.003	2	1,500	0.000	100.0%	0.000	2	0
4611	Valencia Estates Apopka LLC	Small	Orange SJRWMD	0.001	89.1%	0.001	319	3	0.001	89.1%	0.001	322	3
7673	The Valley Mobile Home Park	Small	Orange SJRWMD	0.027	99.0%	0.027	312	87	0.001	99.0%	0.001	315	3
148768	Brightwood Manor MHP	Small	Orange SJRWMD	0.096	100.0%	0.096	675	142	0.096	100.0%	0.096	681	141
Orange County Total				**205.495**	**75.0%**	**154.177**	**1,227,197**	**126**	**211.287**	**74.9%**	**158.267**	**1,255,793**	**126**

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Osceola County.

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
49-00103-W	East Central Florida Services Inc.	Large	Osceola SFWMD	0.000	100.0%	0.000	0	N/A	0.000	100.0%	0.000	0	N/A
49-00084-W	St. Cloud Utility	Large	Osceola SFWMD	5.557	100.0%	5.557	64,339	86	6.010	100.0%	6.010	67,848	89
49-00103-W	Tohopekaliga Water Authority	Large	Osceola SFWMD	28.876	100.0%	28.876	247,427	117	30.597	100.0%	30.597	258,368	118
49-00812-W	Pleasant Hill	Large	Osceola SFWMD	0.105	100.0%	0.105	600	175	0.105	100.0%	0.105	600	175
49-01268-W	Tropical Palms Resort	Large	Osceola SFWMD	0.008	100.0%	0.008	190	42	0.011	100.0%	0.011	193	57
49-01945-W	The Floridan RV Resort	Large	Osceola SFWMD	0.057	100.0%	0.057	219	260	0.113	100.0%	0.113	223	507
	East Central Florida Services Inc.	Large	Osceola SJRWMD	0.000	100.0%	0.000	174	0	0.000	100.0%	0.000	177	0
49-00103-W	Tohopekaliga Water Authority	Large	Osceola SJRWMD	0.000	100.0%	0.000	1,019	N/A	0.000	100.0%	0.000	1,044	N/A
49-00450-W	Cypress Lake Fish Camp and RV Park	Small	Osceola SFWMD	0.016	100.0%	0.016	N/A	N/A	0.016	100.0%	0.016	N/A	N/A
49-00701-W	Merry D RV Sanctuary	Small	Osceola SFWMD	0.010	100.0%	0.010	N/A	N/A	0.010	100.0%	0.010	N/A	N/A
49-00914-W	Colonial Mobile Home Park	Small	Osceola SFWMD	0.013	100.0%	0.013	134	97	0.013	100.0%	0.013	134	97
49-00937-W	Orange Grove Campground	Small	Osceola SFWMD	0.013	100.0%	0.013	N/A	N/A	0.013	100.0%	0.013	N/A	N/A
49-00961-W	Cypress Cove	Small	Osceola SFWMD	0.062	100.0%	0.062	620	100	0.062	100.0%	0.062	620	100
49-01205-W	Sharp's Mobile Home Park	Small	Osceola SFWMD	0.009	100.0%	0.009	227	40	0.009	100.0%	0.009	227	40
49-01780-W	Lake Marian Shores	Small	Osceola SFWMD	0.018	100.0%	0.018	5	3,600	0.018	100.0%	0.018	5	3,600
49-01992-W	Canoe Creek Campground	Small	Osceola SFWMD	0.032	100.0%	0.032	178	180	0.032	100.0%	0.032	178	180

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Osceola County (continued).

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
49-01995-W	Boggy Creek Resort and RV Park	Small	Osceola SFWMD	0.011	100.0%	0.011	N/A	N/A	0.011	100.0%	0.011	N/A	N/A
49-01996-W	Lake Toho Resort	Small	Osceola SFWMD	0.066	100.0%	0.066	29	2,276	0.066	100.0%	0.066	29	2,276
49-02045-W	Kings Mobile Home Park	Small	Osceola SFWMD	0.008	100.0%	0.008	44	182	0.008	100.0%	0.008	44	182
53-00185-W	Camp Mary Mobile Home Park	Small	Osceola SFWMD	0.000	100.0%	0.000	11	N/A	0.000	100.0%	0.000	11	N/A
Osceola County Total				**34.861**	**100.0%**	**34.861**	**315,216**	**111**	**37.094**	**100.0%**	**37.094**	**329,701**	**113**

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Polk County.

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
49-00103-W	Tohopekaliga Water Authority (Poinciana)	Large	Polk SFWMD	6.477	100.0%	6.477	28,115	230	7.566	100.0%	7.566	28,952	261
53-0026-W	River Ranch	Large	Polk SFWMD	0.164	100.0%	0.164	575	285	0.169	100.0%	0.169	583	290
53-00030-W	Lake Wales Utility Company	Large	Polk SFWMD	0.090	100.0%	0.090	1,655	54	0.074	100.0%	0.074	1,677	44
53-00126-W	Polk County Utilities (Oak Hills)	Large	Polk SFWMD	1.988	100.0%	1.988	2,039	975	2.282	100.0%	2.282	2,306	990
341	City of Bartow	Large	Polk SWFWMD	2.998	50.0%	1.499	24,506	61	3.062	52.9%	1.620	24,845	65
587	Lelynn RV Resort	Large	Polk SWFWMD	0.020	100.0%	0.020	262	76	0.021	100.0%	0.021	265	79
645	City of Fort Meade	Large	Polk SWFWMD	0.589	68.3%	0.402	7,470	54	0.567	68.1%	0.386	7,447	52
1616	Lake Region Mobile Home Owners	Large	Polk SWFWMD	0.072	100.0%	0.072	986	73	0.097	100.0%	0.097	1,006	96
1625	Four Lakes Golf Club	Large	Polk SWFWMD	0.384	45.8%	0.176	1,052	167	0.408	45.6%	0.186	1,064	175
2332	Lake Hamilton	Large	Polk SWFWMD	0.277	39.7%	0.110	1,313	84	0.256	46.9%	0.120	1,336	90
3415	Orchid Springs Development Corp	Large	Polk SWFWMD	0.064	93.8%	0.060	1,039	58	0.059	110.2%	0.065	1,051	62
4005	Park Water Company	Large	Polk SWFWMD	0.236	66.9%	0.158	2,654	60	0.234	63.7%	0.149	2,977	50
4607	City of Winter Haven	Large	Polk SWFWMD	9.398	59.6%	5.597	74,036	76	10.016	61.2%	6.126	76,130	80
4658	City of Lake Wales	Large	Polk SWFWMD	2.452	66.8%	1.638	23,843	69	2.505	68.7%	1.722	23,982	72
4912	City of Lakeland Electric and Water	Large	Polk SWFWMD	20.785	61.7%	12.829	163,288	79	21.045	65.6%	13.795	165,891	83
5251	Grenelefe Resort Utility, Inc.	Large	Polk SWFWMD	0.994	59.0%	0.586	2,811	208	0.876	36.0%	0.315	2,847	111
5750	City of Davenport	Large	Polk SWFWMD	0.837	96.7%	0.809	6,887	117	0.970	88.9%	0.862	7,602	113

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
5870	City of Frostproof	Large	Polk SWFWMD	0.389	42.9%	0.167	4,698	36	0.398	45.5%	0.181	4,742	38
5893	Town of Dundee	Large	Polk SWFWMD	0.527	73.8%	0.389	5,057	77	0.637	76.8%	0.489	5,316	92
6023	North Pointe HOA	Large	Polk SWFWMD	0.024	100.0%	0.024	149	161	0.025	100.0%	0.025	151	166
6124	City of Mulberry	Large	Polk SWFWMD	0.383	51.7%	0.198	4,418	45	0.394	52.5%	0.207	4,448	47
6174	Saddlebag Lake Resort	Large	Polk SWFWMD	0.087	96.6%	0.084	646	130	0.090	88.9%	0.080	657	122
6505	Polk County Utilities - NWRUSA	Large	Polk SWFWMD	2.504	91.0%	2.278	42,646	53	2.699	88.8%	2.396	43,382	55
6506	Polk County Utilities - SWRUSA	Large	Polk SWFWMD	3.170	87.1%	2.762	41,274	67	3.349	87.4%	2.927	42,347	69
6507	Polk County Utilities - CRUSA	Large	Polk SWFWMD	1.017	83.6%	0.850	15,097	56	1.003	85.5%	0.858	15,378	56
6508	Polk County Utilities - SERUSA	Large	Polk SWFWMD	0.617	36.0%	0.222	6,006	37	0.588	37.9%	0.223	6,083	37
6509	Polk County Utilities - NERUSA	Large	Polk SWFWMD	6.828	88.3%	6.028	47,007	128	7.302	86.0%	6.277	48,463	130
6624	City of Lake Alfred	Large	Polk SWFWMD	1.079	71.0%	0.766	9,240	83	1.104	70.9%	0.783	9,465	83
6920	City of Eagle Lake	Large	Polk SWFWMD	0.351	63.5%	0.223	4,540	49	0.418	58.6%	0.245	4,657	53
7119	City of Auburndale	Large	Polk SWFWMD	4.751	52.1%	2.475	33,273	74	5.028	51.5%	2.591	34,170	76
7187	CHCVII Lake Henry MHP	Large	Polk SWFWMD	0.267	34.1%	0.091	1,034	88	0.209	53.1%	0.111	1,046	106
7328	Carefree RV Country Club	Large	Polk SWFWMD	0.104	55.8%	0.058	788	74	0.108	48.1%	0.052	803	65
7878	Aqua Utilities Florida, Inc. - Lake Gibson	Large	Polk SWFWMD	0.148	79.7%	0.118	2,101	56	0.149	79.2%	0.118	2,126	56
8054	Polk County Utilities - ERUSA	Large	Polk SWFWMD	0.440	70.7%	0.311	4,142	75	0.460	69.3%	0.319	4,202	76
8344	CHCIII Swift Village MHP	Large	Polk SWFWMD	0.144	69.4%	0.100	586	171	0.147	68.0%	0.100	596	168
8468	City of Polk City	Large	Polk SWFWMD	0.362	71.0%	0.257	7,591	34	0.336	86.3%	0.290	7,822	37
8522	City of Haines City	Large	Polk SWFWMD	4.667	66.1%	3.084	31,070	99	4.979	70.7%	3.520	31,990	110

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
8967	Sweetwater Community LLC	Large	Polk SWFWMD	0.122	74.6%	0.091	527	173	0.115	78.3%	0.090	533	169
12800	Hanover Jordans Grove, LLC	Large	Polk SWFWMD	0.179	0.0%	0.000	18	0	0.039	0.0%	0.000	18	0
12964	Alafia Preserve LLC; Eagle Ridge LLC; and Donaldson	Large	Polk SWFWMD	0.000	0.0%	0.000	0	N/A	0.000	N/A	0.100	0	N/A
13043	Utilities, Inc - Cypress Lakes Utilities Inc.	Large	Polk SWFWMD	0.181	70.7%	0.128	1,196	107	0.191	76.4%	0.146	1,216	120
53-00088-W	Camp Mack	Small	Polk SWFWMD	0.001	100.0%	0.001	N/A	N/A	0.001	100.0%	0.001	N/A	N/A
53-00150-W	Indian Lake Utilities	Small	Polk SWFWMD	0.070	100.0%	0.070	376	186	0.070	100.0%	0.070	376	186
53-00152-W	Lake Kissimmee Mobile Home Park	Small	Polk SWFWMD	0.012	100.0%	0.012	87	138	0.012	100.0%	0.012	87	138
53-00172-W	Breeze Hill Utilities	Small	Polk SWFWMD	0.054	100.0%	0.054	144	375	0.054	100.0%	0.054	144	375
53-00185-W	Camp Mary Mobile Home Park	Small	Polk SWFWMD	0.002	100.0%	0.002	N/A	N/A	0.002	100.0%	0.002	N/A	N/A
53-00247-W	Bannon Fishing Resort	Small	Polk SWFWMD	0.001	100.0%	0.001	N/A	N/A	0.001	100.0%	0.001	N/A	N/A
53-00254-W	The Harbor RV Resort and Marina	Small	Polk SWFWMD	0.033	100.0%	0.033	95	347	0.033	100.0%	0.033	95	347
53-00266-W	Camp Rosalie	Small	Polk SWFWMD	0.009	100.0%	0.009	N/A	N/A	0.009	100.0%	**0.00**9	N/A	N/A
53-00271-W	Shady Oaks Limited Use WTF	Small	Polk SWFWMD	0.000	100.0%	0.000	4	0	0.000	100.0%	0.000	4	0
53-00286-W	Wounded Veterans Hunt Camp	Small	Polk SWFWMD	0.001	100.0%	0.001	N/A	N/A	0.001	100.0%	0.001	N/A	N/A
53-00294-W	Coleman Landings	Small	Polk SWFWMD	0.006	100.0%	0.006	N/A	N/A	0.006	100.0%	0.006	N/A	N/A
002083	Alturas Utilities LLC	Small	Polk SWFWMD	0.029	100.0%	0.029	177	164	0.030	100.0%	0.030	179	168

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
002410	Scenic View Mobile Home Park	Small	Polk SWFWMD	0.011	100.0%	0.011	207	53	0.011	100.0%	0.011	209	53
002449	Lake Henry Estates	Small	Polk SWFWMD	0.063	100.0%	0.063	499	126	0.072	100.0%	0.072	505	143
003214	Sunrise Water Company	Small	Polk SWFWMD	0.037	100.0%	0.037	597	62	0.045	100.0%	0.045	604	75
004175	Rainbow Chase RV Resort	Small	Polk SWFWMD	0.032	100.0%	0.032	143	224	0.033	100.0%	0.033	145	228
004441	Spring Hill Estates Mobile Home Park	Small	Polk SWFWMD	0.055	100.0%	0.055	528	104	0.064	100.0%	0.064	534	120
005868	Rainbow Resort	Small	Polk SWFWMD	0.086	100.0%	0.086	329	261	0.121	100.0%	0.121	333	363
006105	United Mc LLC	Small	Polk SWFWMD	0.007	100.0%	0.007	65	108	0.007	100.0%	0.007	66	106
006152	Lakeside Ranch Investment Corp	Small	Polk SWFWMD	0.014	100.0%	0.014	381	37	0.014	100.0%	0.014	387	36
006156	Kathleen Oak Mobile Home Park	Small	Polk SWFWMD	0.003	100.0%	0.003	40	75	0.003	100.0%	0.003	40	75
006208	Whispering Pines of Frostproof LLC	Small	Polk SWFWMD	0.020	100.0%	0.020	78	256	0.020	100.0%	0.020	78	256
006308	La Casa De Lake Wales	Small	Polk SWFWMD	0.011	100.0%	0.011	151	73	0.011	100.0%	0.011	152	72
006314	Twin Fountains	Small	Polk SWFWMD	0.035	100.0%	0.035	381	92	0.036	100.0%	0.036	387	93
006495	Christmas Tree Trailer Park	Small	Polk SWFWMD	0.015	100.0%	0.015	114	132	0.015	100.0%	0.015	115	130
006597	Towerwood Mobile Home Park	Small	Polk SWFWMD	0.075	100.0%	0.075	622	121	0.078	100.0%	0.078	629	124
006679	Keen Sales Rentals & Utilities	Small	Polk SWFWMD	0.015	100.0%	0.015	287	52	0.015	100.0%	0.015	293	51
006893	Hidden Cove Ltd	Small	Polk SWFWMD	0.021	100.0%	0.021	218	96	0.022	100.0%	0.022	221	100
007172	McLeod Gardens	Small	Polk SWFWMD	0.024	100.0%	0.024	223	108	0.025	100.0%	0.025	226	111
007315	Camp Inn Resort	Small	Polk SWFWMD	0.027	100.0%	0.027	745	36	0.033	100.0%	0.033	754	44
007333	Sunlake Terrace Estates	Small	Polk SWFWMD	0.065	100.0%	0.065	290	224	0.034	100.0%	0.034	294	116

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
007557	Lakemont Ridge Home & RV Park	Small	Polk SWFWMD	0.020	100.0%	0.020	296	68	0.023	100.0%	0.023	300	77
007653	Orange Hill-Sugar Creek Service Area	Small	Polk SWFWMD	0.070	100.0%	0.070	606	116	0.081	100.0%	0.081	625	130
007703	Orange Acres Ranch	Small	Polk SWFWMD	0.037	100.0%	0.037	254	146	0.038	100.0%	0.038	257	148
008285	Mouse Mountain Inc	Small	Polk SWFWMD	0.020	100.0%	0.020	338	59	0.018	100.0%	0.018	341	53
008370	Doans Mobile Home Park	Small	Polk SWFWMD	0.007	100.0%	0.007	51	137	0.007	100.0%	0.007	52	135
008399	Three Worlds Resort	Small	Polk SWFWMD	0.022	100.0%	0.022	223	99	0.027	100.0%	0.027	225	120
008536	Woodland Lakes Creative	Small	Polk SWFWMD	0.043	100.0%	0.043	241	178	0.044	100.0%	0.044	243	181
008684	Good Life Resort Inc	Small	Polk SWFWMD	0.015	100.0%	0.015	595	25	0.016	100.0%	0.016	602	27
008753	Plantation Landings	Small	Polk SWFWMD	0.040	100.0%	0.040	703	57	0.056	100.0%	0.056	711	79
009128	Pinecrest	Small	Polk SWFWMD	0.044	100.0%	0.044	306	144	0.052	100.0%	0.052	310	168
009336	Gibsonia Estates	Small	Polk SWFWMD	0.064	100.0%	0.064	417	153	0.066	100.0%	0.066	421	157
009341	Sunshine Foundation Dream Village	Small	Polk SWFWMD	0.013	100.0%	0.013	22	591	0.013	100.0%	0.013	23	565
009557	Southern Pines RV & MHP Resort	Small	Polk SWFWMD	0.046	100.0%	0.046	322	143	0.055	100.0%	0.055	325	169
009569	Keen Sales & Rentals Inc.	Small	Polk SWFWMD	0.008	100.0%	0.008	258	31	0.008	100.0%	0.008	261	31
009807	Village of Highland Park	Small	Polk SWFWMD	0.022	100.0%	0.022	220	100	0.026	100.0%	0.026	222	117
009835	Van Lakes HOA	Small	Polk SWFWMD	0.028	100.0%	0.028	177	158	0.029	100.0%	0.029	179	162
012655	Florida Camp Inn	Small	Polk SWFWMD	0.056	100.0%	0.056	740	76	0.058	100.0%	0.058	749	77
012655	Florida Camp Inn	Small	Polk SWFWMD	0.016	100.0%	0.016	130	123	0.017	100.0%	0.017	131	130
012899	Athena Cypress; LLC d/b/a Cypress Campground & RV	Small	Polk SWFWMD	0.020	100.0%	0.020	296	68	0.023	100.0%	0.023	300	77
020598	Porridge Investments	Small	Polk SWFWMD	0.016	100.0%	0.016	255	63	0.017	100.0%	0.017	254	67
Polk County Total				**77.587**	**70.6%**	**54.800**	**618,570**	**89**	**81.504**	**72.6%**	**59.212**	**632,660**	**94**

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Seminole County.

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
160	Sanlando Utilities Corp.	Large	Seminole SJRWMD	7.619	76.0%	5.790	33,255	174	6.778	76.0%	5.151	33,459	154
162	City of Sanford	Large	Seminole SJRWMD	6.855	57.7%	3.955	66,774	59	6.696	57.7%	3.864	67,417	57
8213, 95581	Seminole County Environmental Services	Large	Seminole SJRWMD	16.340	78.0%	12.745	123,053	104	15.955	67.8%	10.817	124,439	87
8238	City of Winter Springs	Large	Seminole SJRWMD	3.705	87.2%	3.231	35,972	90	3.710	87.2%	3.235	36,508	89
8252	City of Oviedo	Large	Seminole SJRWMD	5.130	78.0%	4.001	36,995	108	4.926	78.0%	3.842	37,492	102
8266	Palm Valley MH Community	Large	Seminole SJRWMD	0.084	83.0%	0.070	2,173	32	0.081	83.0%	0.067	2,184	31
8271	Mullet Lake Water Association Inc	Large	Seminole SJRWMD	0.062	95.0%	0.059	822	72	0.064	95.0%	0.061	832	73
8274	City of Longwood	Large	Seminole SJRWMD	1.687	78.9%	1.331	13,906	96	1.593	78.9%	1.257	14,151	89
8282	City of Lake Mary	Large	Seminole SJRWMD	3.327	42.0%	1.397	14,986	93	3.190	42.0%	1.340	15,394	87
8284	City of Casselberry	Large	Seminole SJRWMD	4.801	88.3%	4.239	47,051	90	4.548	88.3%	4.016	47,865	84
8345	Utilities Inc. of Florida	Large	Seminole SJRWMD	0.062	88.8%	0.055	527	104	0.002	88.8%	0.002	529	4
8346	Utilities Inc. of Florida	Large	Seminole SJRWMD	0.212	88.8%	0.188	2,614	72	0.210	88.8%	0.186	2,627	71
8352	Utilities Inc. of Florida	Large	Seminole SJRWMD	0.059	81.5%	0.048	907	53	0.095	81.5%	0.077	912	84
8362	FGUA	Large	Seminole SJRWMD	0.506	80.0%	0.405	5,061	80	0.507	80.0%	0.406	5,103	80
8372	City of Altamonte Springs	Large	Seminole SJRWMD	5.990	71.0%	4.253	52,707	81	6.072	71.0%	4.311	53,343	81
SJ_S-TCRV_FA33	Town and Country RV Resort	Small	Seminole SJRWMD	0.000	100.0%	0.000	14	0	0.000	100.0%	0.000	14	0
SJ_S-SHP_FA32	Spring Hammock MHP	Small	Seminole SJRWMD	0.005	100.0%	0.005	168	30	0.005	100.0%	0.005	169	30
8229	Lake Harney Water Assoc Inc	Small	Seminole SJRWMD	0.035	93.1%	0.033	520	63	0.001	93.1%	0.001	523	2

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Table A-6b-1a. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2016-2017 for Seminole County (continued).

CUP Number	Owner	Utility Category	County/ District	2016 Water Use	2016 % Household	2016 Household Use	2016 Population	2016 Residential GPCD	2017 Water Use	2017 % Household	2017 Household Use	2017 Population	2017 Residential GPCD
8347	Utilities Inc. of Florida	Small	Seminole SJRWMD	0.052	93.0%	0.048	676	71	0.002	93.0%	0.002	680	3
8348	Utilities Inc. of Florida	Small	Seminole SJRWMD	0.043	88.0%	0.038	572	66	0.001	88.0%	0.001	575	2
8349	Utilities Inc. of Florida	Small	Seminole SJRWMD	0.011	86.0%	0.009	109	83	0.000	86.0%	0.000	110	0
8350, 8351	Utilities Inc. of Florida	Small	Seminole SJRWMD	0.015	84.1%	0.013	677	19	0.015	84.1%	0.013	681	19
8353	Utilities Inc. of Florida	Small	Seminole SJRWMD	0.016	88.0%	0.014	269	52	0.001	88.0%	0.001	271	4
8357	Aqua Utilities Florida Inc	Small	Seminole SJRWMD	0.009	89.0%	0.008	137	58	0.001	89.0%	0.001	138	7
8462	Seminole Woods Assoc	Small	Seminole SJRWMD	0.058	69.6%	0.040	592	68	0.003	69.6%	0.002	598	3
50932	Twelve Oaks - Thomas Vellanti	Small	Seminole SJRWMD	0.012	78.0%	0.009	627	14	0.011	78.0%	0.009	631	14
Seminole County Total				**56.695**	**74.1%**	**41.984**	**441,164**	**95**	**54.467**	**71.0%**	**38.667**	**446,645**	**87**

Notes for **Table A-6b-1a.**

1.) All water use and water demand projections are shown in million gallons per day (mgd). Average water use is shown in gallons per consumer per day (gpcd).

2.) Rounding errors account for nominal discrepancies.

3.) 2016-2020 water use obtained from the Districts' metered data, published annual reports, and the Florida Department of Environmental Protection Monthly Operating Report data.

4.) 2016-2020 population obtained from BEBR estimates of population for this CFWI RWSP. (BEBR 2022)

5.) Percent household use obtained from consumptive use permits, published water use reports, and utility data where available.

CRUSA==Central Regional Utility Service Area; FGUA==Florida Government Utility Authority; MHP==mobile home park; NERUSA==Northeast Regional Utility Service Area; NWRUSA==Northwest Regional Utility Service Area; RCID==Reedy Creek Improvement District; SERUSA==Southeast Regional Utility Service Area; SWRUSA==Southwest Regional Service Area.

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Lake County.

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
2392	Cagan Management Corp	Large	Lake - CFWI SJRWMD	1.556	99.0%	1.540	10,547	146	1.683	99.0%	1.666	10,836	154
2453	City of Mascotte	Large	Lake - CFWI SJRWMD	0.442	94.6%	0.418	7,420	56	0.556	93.0%	0.517	7,841	66
2478	City of Clermont	Large	Lake - CFWI SJRWMD	8.664	89.7%	7.772	42,472	183	6.479	89.7%	5.812	44,656	130
2531	Thousand Trails Inc	Large	Lake - CFWI SJRWMD	0.128	65.0%	0.083	1,420	58	0.184	65.0%	0.120	1,420	85
2671	Town of Monteverde	Large	Lake - CFWI SJRWMD	0.212	56.3%	0.119	2,467	48	0.182	75.9%	0.138	2,517	55
2700	Lake Utility Services Inc.	Large	Lake - CFWI SJRWMD	5.160	58.2%	3.003	26,217	115	4.564	88.0%	4.016	27,338	147
2796, 2913	City of Groveland	Large	Lake - CFWI SJRWMD	2.219	75.4%	1.673	20,820	80	1.909	75.4%	1.439	22,831	63
2840	Woodlands Church Lake LLC	Large	Lake - CFWI SJRWMD	0.084	87.2%	0.073	767	95	0.143	87.2%	0.125	785	159
2886	City of Minneola	Large	Lake - CFWI SJRWMD	2.378	74.0%	1.760	15,374	114	2.323	74.0%	1.719	16,026	107
2900	Ginn-LA Pine Island LTD LLLP	Large	Lake - CFWI SJRWMD	0.054	23.9%	0.013	41	317	0.219	23.9%	0.052	58	897
6398	Clerbrook Golf and RV Resort	Large	Lake - CFWI SJRWMD	0.146	50.0%	0.073	2,747	27	0.086	50.0%	0.043	2,747	16
50115	Ginn-LA Pine Island II LLLP	Large	Lake - CFWI SJRWMD	0.077	28.3%	0.022	122	180	0.082	28.3%	0.023	144	160
103822	Colina Bay Water Company	Large	Lake - CFWI SJRWMD	0.017	79.0%	0.013	143	91	0.020	79.0%	0.016	148	108
166520	Timber Village Mobile Home Pk	Small	Lake - CFWI SJRWMD	0.013	100.0%	0.013	251	52	0.013	100.0%	0.013	257	51
2565	MHC OL Utility System LLC	Small	Lake - CFWI SJRWMD	0.039	81.7%	0.032	544	59	0.039	79.2%	0.031	557	56
2847	Vacation Village Condominium Assn	Small	Lake - CFWI SJRWMD	0.038	75.0%	0.029	451	64	0.038	75.0%	0.029	462	63
2890	Monteverde Mobile Home Subd Assn Inc	Small	Lake - CFWI SJRWMD	0.025	100.0%	0.025	666	38	0.025	100.0%	0.025	689	36
2893	Torch Lite MHP LLC	Small	Lake - CFWI SJRWMD	0.014	94.2%	0.013	126	103	0.010	94.2%	0.009	129	70
2927	Four Winds Ecclesia	Small	Lake - CFWI SJRWMD	0.000	100.0%	0.000	N/A	N/A	0.000	100.0%	0.000	N/A	N/A
2989	Citrus Cove Homeowners Assoc	Small	Lake - CFWI SJRWMD	0.016	90.0%	0.014	105	133	0.016	90.0%	0.014	107	131

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Lake County (continued).

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
4487	Edgewater Beach Homeowners Assoc	Small	Lake - CFWI SJRWMD	0.000	90.2%	0.000	107	0	0.000	90.2%	0.000	110	0
10846	Presco Associates LLC	Small	Lake - CFWI SJRWMD	0.000	100.0%	0.000	0	N/A	0.000	100.0%	0.000	0	N/A
50218	Highlands MHP and Sales Inc	Small	Lake - CFWI SJRWMD	0.011	100.0%	0.011	171	64	0.011	100.0%	0.011	175	63
50307	Lake-Ulmerton Corporation	Small	Lake - CFWI SJRWMD	0.017	80.6%	0.014	7	2,000	0.017	80.6%	0.014	7	2,000
Lake (CFWI) Total				**21.310**	**78.4%**	**16.713**	**132,985**	**126**	**18.599**	**85.1%**	**15.832**	**139,840**	**113**

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Orange County.

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
48-00009-W	RCID	Large	Orange SFWMD	16.079	100.0%	16.079	0	N/A	16.418	100.0%	16.418	0	N/A
48-00995-W	Taft Water Association	Large	Orange SFWMD	0.257	100.0%	0.257	2,595	99	0.253	100.0%	0.253	2,621	97
3203	Clarcona Resorts Condominium Assn	Large	Orange SJRWMD	0.136	89.4%	0.122	1,439	85	0.100	89.4%	0.089	1,446	62
3216	City of Ocoee	Large	Orange SJRWMD	5.112	75.0%	3.834	37,295	103	3.511	75.0%	2.633	38,307	69
3217	City of Apopka	Large	Orange SJRWMD	8.671	75.5%	6.547	72,662	90	8.966	75.5%	6.769	73,848	92
3301	Zellwood Water Users Inc.	Large	Orange SJRWMD	0.075	84.7%	0.064	746	86	0.070	84.7%	0.059	750	79
3302	Wedgefield Utilities Inc.	Large	Orange SJRWMD	0.306	79.3%	0.243	4,305	56	0.262	78.6%	0.206	4,358	47
3347	Town of Oakland	Large	Orange SJRWMD	0.500	74.4%	0.372	3,942	94	0.620	74.4%	0.461	4,195	110
3368	City of Winter Garden	Large	Orange SJRWMD	7.486	80.0%	5.989	47,922	125	5.395	80.0%	4.316	50,243	86
3383	Rock Springs Palm Isles MHC LLC	Large	Orange SJRWMD	0.104	86.8%	0.090	1,896	47	0.111	86.8%	0.096	1,905	50
3407	Town of Eatonville	Large	Orange SJRWMD	0.220	51.0%	0.112	2,387	47	0.275	51.0%	0.140	2,412	58
7624	City of Winter Park	Large	Orange SJRWMD	13.044	66.5%	8.674	63,645	136	7.495	66.5%	4.984	64,408	77
50258	City of Maitland	Large	Orange SJRWMD	2.973	52.0%	1.546	11,228	138	2.583	52.0%	1.343	13,228	102
51073	Aqua Utilities of Florida, Inc.	Large	Orange SJRWMD	0.066	100.0%	0.066	2,313	29	0.064	100.0%	0.064	2,344	27
86536	MHC SR Utility Systems LLC	Large	Orange SJRWMD	0.147	100.0%	0.147	2,306	64	0.155	100.0%	0.155	2,318	67
92244	Sun Communities Inc.	Large	Orange SJRWMD	0.103	93.3%	0.096	1,182	81	0.000	93.3%	0.000	1,187	0
3159	Orlando Utilities Commission	Large	Orange SFWMD / SJRWMD	85.072	52.8%	44.918	518,551	87	85.871	52.8%	45.340	510,747	89
3317, 48-00134-W, 48-00059-W	Orange County Public Utilities	Large	Orange SFWMD SJRWMD	62.389	100.0%	62.389	511,536	122	62.766	100.0%	62.766	517,141	121

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Orange County (continued).

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
48-00332-W	Hidden Valley	Small	Orange SFWMD	0.061	100.0%	0.061	691	88	0.061	100.0%	0.061	691	88
48-00827-W	Orlando Lake Whippoorwill KOA	Small	Orange SFWMD	0.035	100.0%	0.035	N/A	N/A	0.035	100.0%	0.035	N/A	N/A
3236	Ola Beach Improvement Assn.	Small	Orange SJRWMD	0.017	86.6%	0.015	173	87	0.016	86.6%	0.014	174	80
3299	Trimble Park	Small	Orange SJRWMD	0.000	100.0%	0.000	N/A	N/A	0.000	100.0%	0.000	N/A	N/A
3322	Forty Acres Holding Co	Small	Orange SJRWMD	0.000	100.0%	0.000	0	N/A	0.000	100.0%	0.000	0	N/A
3370	Orange Blossom RV Resort LLC	Small	Orange SJRWMD	0.000	100.0%	0.000	2	0	0.000	100.0%	0.000	2	0
4611	Valencia Estates Apopka LLC	Small	Orange SJRWMD	0.022	85.0%	0.019	324	59	0.022	85.0%	0.019	325	58
7673	The Valley Mobile Home Park	Small	Orange SJRWMD	0.040	99.0%	0.040	317	126	0.030	99.0%	0.030	318	94
148768	Brightwood Manor MHP	Small	Orange SJRWMD	0.096	100.0%	0.096	684	140	0.096	100.0%	0.096	688	140
Orange County Total				**203.011**	**74.8%**	**151.811**	**1,288,141**	**118**	**195.175**	**75.0%**	**146.347**	**1,293,656**	**113**

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Osceola County.

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
49-00103-W	East Central Florida Services Inc.	Large	Osceola SFWMD	0.000	100.0%	0.000	0	N/A	0.000	100.0%	0.000	0	N/A
49-00084-W	St. Cloud Utility	Large	Osceola SFWMD	6.107	100.0%	6.107	70,820	86	6.505	100.0%	6.505	73,980	88
49-00103-W	Tohopekaliga Water Authority	Large	Osceola SFWMD	32.244	100.0%	32.244	270,001	119	35.234	100.0%	35.234	284,231	124
49-00812-W	Pleasant Hill	Large	Osceola SFWMD	0.105	100.0%	0.105	600	175	0.105	100.0%	0.105	600	175
49-01268-W	Tropical Palms Resort	Large	Osceola SFWMD	0.001	100.0%	0.001	196	5	0.005	100.0%	0.005	201	25
49-01945-W	The Floridan RV Resort	Large	Osceola SFWMD	0.087	100.0%	0.087	227	383	0.086	100.0%	0.086	232	371
	East Central Florida Services Inc.	Large	Osceola SJRWMD	0.000	100.0%	0.000	180	0	0.000	100.0%	0.000	184	0
49-00450-W	Cypress Lake Fish Camp and RV Park	Small	Osceola SFWMD	0.000	100.0%	0.000	1,073	N/A	0.000	100.0%	0.000	1,101	N/A
49-00701-W	Merry D RV Sanctuary	Small	Osceola SFWMD	0.016	100.0%	0.016	N/A	N/A	0.016	100.0%	0.016	N/A	N/A
49-00914-W	Colonial Mobile Home Park	Small	Osceola SFWMD	0.010	100.0%	0.010	N/A	N/A	0.010	100.0%	0.010	N/A	N/A
49-00937-W	Orange Grove Campground	Small	Osceola SFWMD	0.013	100.0%	0.013	134	97	0.013	100.0%	0.013	134.000	97
49-00961-W	Cypress Cove	Small	Osceola SFWMD	0.013	100.0%	0.013	N/A	N/A	0.013	100.0%	0.013	N/A	N/A
49-01205-W	Sharp's Mobile Home Park	Small	Osceola SFWMD	0.062	100.0%	0.062	620	100	0.062	100.0%	0.062	620.000	100

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Osceola County (continued).

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
49-01780-W	Lake Marian Shores	Small	Osceola SFWMD	0.018	100.0%	0.018	5	3,600	0.018	100.0%	0.018	5.000	3,600
49-01992-W	Canoe Creek Campground	Small	Osceola SFWMD	0.032	100.0%	0.032	178	180	0.032	100.0%	0.032	178.000	180
49-01995-W	Boggy Creek Resort and RV Park	Small	Osceola SFWMD	0.011	100.0%	0.011	N/A	N/A	0.011	100.0%	0.011	N/A	N/A
49-01996-W	Lake Toho Resort	Small	Osceola SFWMD	0.066	100.0%	0.066	29	2,276	0.066	100.0%	0.066	29.000	2,276
49-02045-W	Kings Mobile Home Park	Small	Osceola SFWMD	0.008	100.0%	0.008	44	182	0.008	100.0%	0.008	44.000	182
53-00185-W	Camp Mary Mobile Home Park	Small	Osceola SFWMD	0.000	100.0%	0.000	11	N/A	0.000	100.0%	0.000	11	N/A
Osceola County Total				**38.802**	**100.0%**	**38.802**	**344,345**	**113**	**42.193**	**100.0%**	**42.193**	**361,777**	**117**

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Polk County.

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
49-00103-W	Tohopekaliga Water Authority (Poinciana)	Large	Polk SFWMD	7.171	100.0%	7.171	29,569	243	7.210	100.0%	7.210	30,642	235
53-0026-W	River Ranch	Large	Polk SFWMD	0.158	100.0%	0.158	582	271	0.145	100.0%	0.145	586	247
53-00030-W	Lake Wales Utility Company	Large	Polk SFWMD	0.075	100.0%	0.075	1,671	45	0.072	100.0%	0.072	1,683	43
53-00126-W	Polk County Utilities (Oak Hills)	Large	Polk SFWMD	2.177	100.0%	2.177	2,664	817	2.202	100.0%	2.202	3,098	711
341	City of Bartow	Large	Polk SWFWMD	3.085	52.3%	1.614	25,187	64	3.188	53.4%	1.701	25,574	67
587	Lelynn RV Resort	Large	Polk SWFWMD	0.024	100.0%	0.024	264	91	0.021	100.0%	0.021	266	79
645	City of Fort Meade	Large	Polk SWFWMD	0.542	68.3%	0.370	7,719	48	0.578	62.1%	0.359	7,530	48
1616	Lake Region Mobile Home Owners	Large	Polk SWFWMD	0.088	100.0%	0.088	1,012	87	0.113	100.0%	0.113	1,031	110
1625	Four Lakes Golf Club	Large	Polk SWFWMD	0.302	64.6%	0.195	1,060	184	0.333	53.2%	0.177	1,067	166
2332	Lake Hamilton	Large	Polk SWFWMD	0.241	52.7%	0.127	1,382	92	0.302	47.7%	0.144	1,432	101
3415	Orchid Springs Development Corp	Large	Polk SWFWMD	0.061	95.1%	0.058	1,048	55	0.062	100.0%	0.062	1,055	59
4005	Park Water Company	Large	Polk SWFWMD	0.236	64.0%	0.151	2,969	51	0.243	67.5%	0.164	2,995	55
4607	City of Winter Haven	Large	Polk SWFWMD	9.588	64.6%	6.191	77,869	80	9.800	63.3%	6.199	80,240	77
4658	City of Lake Wales	Large	Polk SWFWMD	2.477	66.4%	1.645	24,396	67	2.684	60.9%	1.634	24,760	66
4912	City of Lakeland Electric and Water	Large	Polk SWFWMD	20.645	64.1%	13.242	167,973	79	21.851	61.2%	13.372	170,822	78
5251	Grenelefe Resort Utility, Inc.	Large	Polk SWFWMD	1.147	33.3%	0.382	2,842	134	0.994	44.8%	0.445	2,863	155
5750	City of Davenport	Large	Polk SWFWMD	1.254	83.9%	1.052	8,264	127	1.458	91.1%	1.328	8,728	152
5870	City of Frostproof	Large	Polk SWFWMD	0.407	43.5%	0.177	4,758	37	0.359	47.1%	0.169	4,845	35
5893	Town of Dundee	Large	Polk SWFWMD	0.654	74.8%	0.489	5,614	87	0.669	73.1%	0.489	5,919	83
6023	North Pointe HOA	Large	Polk SWFWMD	0.029	100.0%	0.029	150	193	0.026	100.0%	0.026	151	172
6124	City of Mulberry	Large	Polk SWFWMD	0.391	53.5%	0.209	4,460	47	0.392	55.9%	0.219	4,581	48

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
6174	Saddlebag Lake Resort	Large	Polk SWFWMD	0.088	97.7%	0.086	662	130	0.081	109.9%	0.089	671	133
6505	Polk County Utilities - NWRUSA	Large	Polk SWFWMD	2.572	90.0%	2.315	43,524	53	2.764	84.6%	2.337	44,062	53
6506	Polk County Utilities - SWRUSA	Large	Polk SWFWMD	3.273	83.6%	2.737	43,439	63	3.302	87.7%	2.896	44,359	65
6507	Polk County Utilities - CRUSA	Large	Polk SWFWMD	0.992	85.6%	0.849	15,445	55	1.106	79.1%	0.875	15,679	56
6508	Polk County Utilities - SERUSA	Large	Polk SWFWMD	0.583	38.4%	0.224	6,068	37	0.650	34.8%	0.226	6,120	37
6509	Polk County Utilities - NERUSA	Large	Polk SWFWMD	7.336	86.5%	6.347	49,927	127	7.898	82.9%	6.545	53,247	123
6624	City of Lake Alfred	Large	Polk SWFWMD	0.954	78.6%	0.750	9,504	79	0.955	82.1%	0.784	9,779	80
6920	City of Eagle Lake	Large	Polk SWFWMD	0.341	76.8%	0.262	4,711	56	0.351	73.5%	0.258	4,814	54
7119	City of Auburndale	Large	Polk SWFWMD	4.746	54.2%	2.570	34,431	75	5.508	49.6%	2.734	34,986	78
7187	CHCVII Lake Henry MHP	Large	Polk SWFWMD	0.263	38.8%	0.102	1,043	98	0.250	46.8%	0.117	1,050	111
7328	Carefree RV Country Club	Large	Polk SWFWMD	0.127	59.8%	0.076	804	95	0.108	61.1%	0.066	811	81
7878	Aqua Utilities Florida, Inc. - Lake Gibson	Large	Polk SWFWMD	0.140	80.0%	0.112	2,121	53	0.137	83.2%	0.114	2,135	53
8054	Polk County Utilities - ERUSA	Large	Polk SWFWMD	0.497	64.8%	0.322	4,203	77	0.478	66.9%	0.320	4,245	75
8344	CHCIII Swift Village MHP	Large	Polk SWFWMD	0.140	69.3%	0.097	600	162	0.146	64.4%	0.094	607	155
8468	City of Polk City	Large	Polk SWFWMD	0.356	84.3%	0.300	8,128	37	0.271	85.2%	0.231	8,431	27
8522	City of Haines City	Large	Polk SWFWMD	4.899	70.9%	3.474	32,882	106	5.057	67.7%	3.423	34,856	98
8967	Sweetwater Community LLC	Large	Polk SWFWMD	0.108	71.3%	0.077	531	145	0.121	52.9%	0.064	535	120
12800	Hanover Jordans Grove, LLC	Large	Polk SWFWMD	0.118	0.0%	0.000	164	0	0.142	0.0%	0.000	393	0
12964	Alafia Preserve LLC; Eagle Ridge LLC; and Donaldson	Large	Polk SWFWMD	0.000	N/A	0.000	0	N/A	0.000	N/A	0.000	0	N/A
13043	Utilities, Inc - Cypress Lakes Utilities Inc.	Large	Polk SWFWMD	0.190	76.8%	0.146	1,214	120	0.229	76.4%	0.175	1,223	143

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
53-00088-W	Camp Mack	Small	Polk SFWMD	0.001	100.0%	0.001	N/A	N/A	0.001	100.0%	0.001	N/A	N/A
53-00150-W	Indian Lake Utilities	Small	Polk SFWMD	0.070	100.0%	0.070	376	186	0.070	100.0%	0.070	376	186
53-00152-W	Lake Kissimmee Mobile Home Park	Small	Polk SFWMD	0.012	100.0%	0.012	87	138	0.012	100.0%	0.012	87	138
53-00172-W	Breeze Hill Utilities	Small	Polk SFWMD	0.054	100.0%	0.054	144	375	0.054	100.0%	0.054	144	375
53-00185-W	Camp Mary Mobile Home Park	Small	Polk SFWMD	0.002	100.0%	0.002	N/A	N/A	0.002	100.0%	0.002	N/A	N/A
53-00247-W	Bannon Fishing Resort	Small	Polk SFWMD	0.001	100.0%	0.001	N/A	N/A	0.001	100.0%	0.001	N/A	N/A
53-00254-W	The Harbor RV Resort and Marina	Small	Polk SFWMD	0.033	100.0%	0.033	95	347	0.033	100.0%	0.033	95	347
53-00266-W	Camp Rosalie	Small	Polk SFWMD	0.009	100.0%	0.009	N/A	N/A	0.009	100.0%	0.009	N/A	N/A
53-00271-W	Shady Oaks Limited Use WTF	Small	Polk SFWMD	0.000	100.0%	0.000	4	0	0.000	100.0%	0.000	4	0
53-00286-W	Wounded Veterans Hunt Camp	Small	Polk SFWMD	0.001	100.0%	0.001	N/A	N/A	0.001	100.0%	0.001	N/A	N/A
53-00294-W	Coleman Landings	Small	Polk SFWMD	0.006	100.0%	0.006	N/A	N/A	0.006	100.0%	0.006	N/A	N/A
002083	Alturas Utilities LLC	Small	Polk SWFWMD	0.034	100.0%	0.034	179	190	0.030	100.0%	0.030	180	167
002410	Scenic View Mobile Home Park	Small	Polk SWFWMD	0.013	100.0%	0.013	208	63	0.011	100.0%	0.011	210	52
002449	Lake Henry Estates	Small	Polk SWFWMD	0.073	100.0%	0.073	503	145	0.077	100.0%	0.077	506	152
003214	Sunrise Water Company	Small	Polk SWFWMD	0.043	100.0%	0.043	602	71	0.040	100.0%	0.040	606	66
004175	Rainbow Chase RV Resort	Small	Polk SWFWMD	0.037	100.0%	0.037	145	255	0.033	100.0%	0.033	146	226
004441	Spring Hill Estates Mobile Home Park	Small	Polk SWFWMD	0.063	100.0%	0.063	532	118	0.058	100.0%	0.058	536	108
005868	Rainbow Resort	Small	Polk SWFWMD	0.138	100.0%	0.138	332	416	0.125	100.0%	0.125	334	374
006105	United Mc LLC	Small	Polk SWFWMD	0.008	100.0%	0.008	65	123	0.007	100.0%	0.007	66	106

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
006152	Lakeside Ranch Investment Corp	Small	Polk SWFWMD	0.016	100.0%	0.016	386	41	0.014	100.0%	0.014	389	36
006156	Kathleen Oak Mobile Home Park	Small	Polk SWFWMD	0.003	100.0%	0.003	40	75	0.003	100.0%	0.003	40	75
006208	Whispering Pines of Frostproof LLC	Small	Polk SWFWMD	0.023	100.0%	0.023	78	295	0.021	100.0%	0.021	79	266
006308	La Casa De Lake Wales	Small	Polk SWFWMD	0.012	100.0%	0.012	152	79	0.011	100.0%	0.011	153	72
006314	Twin Fountains	Small	Polk SWFWMD	0.005	100.0%	0.005	386	13	0.041	100.0%	0.041	389	105
006495	Christmas Tree Trailer Park	Small	Polk SWFWMD	0.018	100.0%	0.018	115	157	0.016	100.0%	0.016	116	138
006597	Towerwood Mobile Home Park	Small	Polk SWFWMD	0.089	100.0%	0.089	627	142	0.079	100.0%	0.079	631	125
006679	Keen Sales Rentals & Utilities	Small	Polk SWFWMD	0.017	100.0%	0.017	292	58	0.019	100.0%	0.019	294	65
006893	Hidden Cove Ltd	Small	Polk SWFWMD	0.025	100.0%	0.025	220	114	0.022	100.0%	0.022	222	99
007172	McLeod Gardens	Small	Polk SWFWMD	0.028	100.0%	0.028	225	124	0.025	100.0%	0.025	229	109
007315	Camp Inn Resort	Small	Polk SWFWMD	0.032	100.0%	0.032	751	43	0.029	100.0%	0.029	756	38
007333	Sunlake Terrace Estates	Small	Polk SWFWMD	0.033	100.0%	0.033	293	113	0.030	100.0%	0.030	295	102
007557	Lakemont Ridge Home & RV Park	Small	Polk SWFWMD	0.023	100.0%	0.023	299	77	0.021	100.0%	0.021	301	70
007653	Orange Hill-Sugar Creek Service Area	Small	Polk SWFWMD	0.082	100.0%	0.082	623	132	0.075	100.0%	0.075	630	119
007703	Orange Acres Ranch	Small	Polk SWFWMD	0.044	100.0%	0.044	256	172	0.039	100.0%	0.039	258	151
008285	Mouse Mountain Inc	Small	Polk SWFWMD	0.021	100.0%	0.021	340	62	0.019	100.0%	0.019	343	55
008370	Doans Mobile Home Park	Small	Polk SWFWMD	0.008	100.0%	0.008	51	157	0.007	100.0%	0.007	52	135
008399	Three Worlds Resort	Small	Polk SWFWMD	0.026	100.0%	0.026	225	116	0.024	100.0%	0.024	226	106
008536	Woodland Lakes Creative	Small	Polk SWFWMD	0.023	100.0%	0.023	243	95	0.019	100.0%	0.019	244	78
008684	Good Life Resort Inc	Small	Polk SWFWMD	0.018	100.0%	0.018	599	30	0.016	100.0%	0.016	604	26
008753	Plantation Landings	Small	Polk SWFWMD	0.061	100.0%	0.061	709	86	0.060	100.0%	0.060	713	84

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
009128	Pinecrest	Small	Polk SWFWMD	0.014	100.0%	0.014	309	45	0.013	100.0%	0.013	311	42
009336	Gibsonia Estates	Small	Polk SWFWMD	0.075	100.0%	0.075	421	178	0.067	100.0%	0.067	427	157
009341	Sunshine Foundation Dream Village	Small	Polk SWFWMD	0.015	100.0%	0.015	22	682	0.013	100.0%	0.013	23	565
009557	Southern Pines RV & MHP Resort	Small	Polk SWFWMD	0.053	100.0%	0.053	324	164	0.000	100.0%	0.000	327	0
009569	Keen Sales & Rentals Inc.	Small	Polk SWFWMD	0.009	100.0%	0.009	260	35	0.006	100.0%	0.006	262	23
009807	Village of Highland Park	Small	Polk SWFWMD	0.025	100.0%	0.025	242	103	0.023	100.0%	0.023	247	93
009835	Van Lakes HOA	Small	Polk SWFWMD	0.033	100.0%	0.033	178	185	0.029	100.0%	0.029	179	162
012655	Florida Camp Inn	Small	Polk SWFWMD	0.068	100.0%	0.068	746	91	0.060	100.0%	0.060	751	80
012899	Athena Cypress; LLC d/b/a Cypress Campground & RV	Small	Polk SWFWMD	0.019	100.0%	0.019	131	145	0.017	100.0%	0.017	132	129
020598	Porridge Investments	Small	Polk SWFWMD	0.017	100.0%	0.017	255	67	0.017	100.0%	0.017	256	66
Polk County Total				**80.008**	**72.5%**	**58.003**	**643,924**	**90**	**83.661**	**70.5%**	**59.004**	**661,040**	**89**

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area: 2018-2019 for Seminole County.

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
160	Sanlando Utilities Corp.	Large	Seminole SJRWMD	5.903	76.0%	4.486	34,179	131	5.907	76.0%	4.489	34,262	131
162	City of Sanford	Large	Seminole SJRWMD	6.418	57.7%	3.703	68,649	54	6.766	57.7%	3.904	69,856	56
8213, 95581	cvvv	Large	Seminole SJRWMD	15.255	67.8%	10.343	125,601	82	15.448	67.8%	10.474	129,319	81
8238	City of Winter Springs	Large	Seminole SJRWMD	4.222	87.2%	3.682	37,500	98	3.910	87.2%	3.410	38,454	89
8252	City of Oviedo	Large	Seminole SJRWMD	4.296	78.0%	3.351	39,313	85	4.364	78.0%	3.404	39,461	86
8266	Palm Valley MH Community	Large	Seminole SJRWMD	0.119	83.0%	0.099	2,194	45	0.082	83.0%	0.068	2,193	31
8271	Mullet Lake Water Association Inc	Large	Seminole SJRWMD	0.065	95.0%	0.062	846	73	0.061	95.0%	0.058	854	68
8274	City of Longwood	Large	Seminole SJRWMD	1.688	78.9%	1.332	14,256	93	1.746	78.9%	1.378	14,755	93
8282	City of Lake Mary	Large	Seminole SJRWMD	3.705	42.0%	1.556	15,604	100	3.673	42.0%	1.543	16,268	95
8284	City of Casselberry	Large	Seminole SJRWMD	4.140	88.3%	3.656	49,294	74	4.056	88.3%	3.581	49,523	72
8345	Utilities Inc. of Florida	Large	Seminole SJRWMD	0.071	88.8%	0.063	533	118	0.071	88.8%	0.063	532	118
8346	Utilities Inc. of Florida	Large	Seminole SJRWMD	0.206	88.8%	0.183	2,638	69	0.204	88.8%	0.181	2,638	69
8352	Utilities Inc. of Florida	Large	Seminole SJRWMD	0.101	81.5%	0.082	921	89	0.111	81.5%	0.090	924	97
8362	FGUA	Large	Seminole SJRWMD	0.452	80.0%	0.362	5,140	70	0.427	80.0%	0.342	5,163	66
8372	City of Altamonte Springs	Large	Seminole SJRWMD	5.808	71.0%	4.124	54,127	76	5.676	71.0%	4.030	54,483	74
SJ_S-TCRV_FA33	Town and Country RV Resort	Small	Seminole SJRWMD	0.000	100.0%	0.000	14	0	0.000	100.0%	0.000	14	0
SJ_S-SHP_FA32	Spring Hammock MHP	Small	Seminole SJRWMD	0.005	100.0%	0.005	169	30	0.005	100.0%	0.005	169	30

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Table A-6b-1b. 2016-2020 residential water use and 5-year per capita averages for all public supply permittees in the CFWI Planning Area:2018-2019 for Seminole County (continued).

CUP Number	Owner	Utility Category	County/ District	2018 Water Use	2018 % Household	2018 Household Use	2018 Population	2018 Residential GPCD	2019 Water Use	2019 % Household	2019 Household Use	2019 Population	2019 Residential GPCD
8229	Lake Harney Water Assoc Inc	Small	Seminole SJRWMD	0.033	93.1%	0.031	533	58	0.033	93.1%	0.031	535	58
8347	Utilities Inc. of Florida	Small	Seminole SJRWMD	**0.077**	**93.0%**	**0.072**	**686**	**105**	**0.077**	**93.0%**	**0.072**	**688**	**105**
8348	Utilities Inc. of Florida	Small	Seminole SJRWMD	**0.048**	**88.0%**	**0.042**	**578**	**73**	**0.048**	**88.0%**	**0.042**	**581**	**72**
8349	Utilities Inc. of Florida	Small	Seminole SJRWMD	**0.010**	**86.0%**	**0.009**	**110**	**82**	**0.010**	**86.0%**	**0.009**	**110**	**82**
8350, 8351	Utilities Inc. of Florida	Small	Seminole SJRWMD	**0.015**	**84.1%**	**0.013**	**684**	**19**	**0.015**	**84.1%**	**0.013**	**689**	**19**
8353	Utilities Inc. of Florida	Small	Seminole SJRWMD	**0.018**	**88.0%**	**0.016**	**272**	**59**	**0.018**	**88.0%**	**0.016**	**272**	**59**
8357	Aqua Utilities Florida Inc	Small	Seminole SJRWMD	**0.001**	**89.0%**	**0.001**	**138**	**7**	**0.001**	**89.0%**	**0.001**	**138**	**7**
8462	Seminole Woods Assoc	Small	Seminole SJRWMD	**0.074**	**69.6%**	**0.052**	**603**	**86**	**0.071**	**69.6%**	**0.049**	**611**	**80**
50932	Twelve Oaks - Thomas Vellanti	Small	Seminole SJRWMD	**0.012**	**78.0%**	**0.009**	**633**	**14**	**0.020**	**78.0%**	**0.016**	**633**	**25**
Seminole County Total				**52.742**	**70.8%**	**37.334**	**455,215**	**82**	**52.800**	**70.6%**	**37.269**	**463,125**	**80**

Notes for **Table A-6b-1b.**

1.) All water use and water demand projections are shown in million gallons per day (mgd). Average water use is shown in gallons per consumer per day (gpcd).

2.) Rounding errors account for nominal discrepancies.

3.) 2016-2020 water use obtained from the Districts' metered data, published annual reports, and the Florida Department of Environmental Protection Monthly Operating Report data (BEBR 2022).

4.) 2016-2020 population obtained from BEBR estimates of population for this CFWI RWSP.

5.) Percent household use obtained from consumptive use permits, published water use reports, and utility data where available.

CRUSA==Central Regional Utility Service Area; ERUSA==East Regional Utility Service Area; MHP==mobile home park; NERUSA== Northeast Regional Utility Service Area; NWRUSA==Northwest Regional Utility Service Area; RCID==Reedy Creek Improvement District; SERUSA==Southeast Regional Service Area; SWRUSA==Southwest Regional Utility Service Area.

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Lake County.

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
2392	Cagan Management Corp	Large	Lake - CFWI SJRWMD	1.679	99.0%	1.662	11,846	140	151
2453	City of Mascotte	Large	Lake - CFWI SJRWMD	0.633	93.0%	0.589	8,413	70	61
2478	City of Clermont	Large	Lake - CFWI SJRWMD	6.853	89.7%	6.147	47,779	129	169
2531	Thousand Trails Inc	Large	Lake - CFWI SJRWMD	0.132	65.0%	0.086	1,420	61	63
2671	Town of Monteverde	Large	Lake - CFWI SJRWMD	0.205	75.9%	0.156	2,378	66	55
2700	Lake Utility Services Inc.	Large	Lake - CFWI SJRWMD	4.890	88.0%	4.303	30,622	141	123
2796, 2913	City of Groveland	Large	Lake - CFWI SJRWMD	2.239	75.4%	1.688	23,639	71	79
2840	Woodlands Church Lake LLC	Large	Lake - CFWI SJRWMD	0.155	87.2%	0.135	854	158	127
2886	City of Minneola	Large	Lake - CFWI SJRWMD	2.783	74.0%	2.059	17,302	119	109
2900	Ginn-LA Pine Island LTD LLLP	Large	Lake - CFWI SJRWMD	1.133	23.9%	0.271	68	3,985	1183
6398	Clerbrook Golf and RV Resort	Large	Lake - CFWI SJRWMD	0.175	50.0%	0.088	2,747	32	25
50115	Ginn-LA Pine Island II LLLP	Large	Lake - CFWI SJRWMD	0.611	28.3%	0.173	177	977	411
103822	Colina Bay Water Company	Large	Lake - CFWI SJRWMD	0.022	79.0%	0.017	171	99	99
166520	Timber Village Mobile Home Pk	Small	Lake - CFWI SJRWMD	0.013	100.0%	0.013	280	46	50
2565	MHC OL Utility System LLC	Small	Lake - CFWI SJRWMD	0.039	79.2%	0.031	606	51	44
2847	Vacation Village Condominium Association	Small	Lake - CFWI SJRWMD	0.038	75.0%	0.029	502	58	48
2890	Monteverde Mobile Home Subd Assn Inc	Small	Lake - CFWI SJRWMD	0.025	100.0%	0.025	759	33	27
2893	Torch Lite MHP LLC	Small	Lake - CFWI SJRWMD	0.000	94.2%	0.000	141	0	42
2927	Four Winds Ecclesia	Small	Lake - CFWI SJRWMD	0.000	100.0%	0.000	N/A	N/A	N/A
2989	Citrus Cove Homeowners Assoc	Small	Lake - CFWI SJRWMD	0.016	90.0%	0.014	117	120	105

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Lake County (continued).

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
4487	Edgewater Beach Homeowners Assoc	Small	Lake - CFWI SJRWMD	0.000	90.2%	0.000	119	0	0
10846	Presco Associates LLC	Small	Lake - CFWI SJRWMD	0.000	100.0%	0.000	0	N/A	N/A
50218	Highlands MHP and Sales Inc	Small	Lake - CFWI SJRWMD	0.011	100.0%	0.011	190	58	53
50307	Lake-Ulmerton Corporation	Small	Lake - CFWI SJRWMD	0.017	80.6%	0.014	7	2,000	1743
Lake (CFWI) Total				**21.669**	**80.8%**	**17.511**	**150,137**	**117**	**123**

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Orange County.

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
48-00009-W	RCID	Large	Orange SFWMD	11.600	100.0%	11.600	0	N/A	N/A
48-00995-W	Taft Water Association	Large	Orange SFWMD	0.243	100.0%	0.243	2,689	90	97
3203	Clarcona Resorts Condominium Association	Large	Orange SJRWMD	0.142	89.4%	0.127	1,469	86	81
3216	City of Ocoee	Large	Orange SJRWMD	3.384	75.0%	2.538	37,400	68	87
3217	City of Apopka	Large	Orange SJRWMD	9.147	75.5%	6.906	77,174	89	128
3301	Zellwood Water Users Inc.	Large	Orange SJRWMD	0.086	84.7%	0.073	762	96	88
3302	Wedgefield Utilities Inc.	Large	Orange SJRWMD	0.311	78.6%	0.244	4,445	55	60
3347	Town of Oakland	Large	Orange SJRWMD	0.703	74.4%	0.523	4,266	123	103
3368	City of Winter Garden	Large	Orange SJRWMD	5.624	80.0%	4.499	50,014	90	116
3383	Rock Springs Palm Isles MHC LLC	Large	Orange SJRWMD	0.143	86.8%	0.124	1,936	64	53
3407	Town of Eatonville	Large	Orange SJRWMD	0.267	51.0%	0.136	2,414	56	62
7624	City of Winter Park	Large	Orange SJRWMD	10.366	66.5%	6.893	64,568	107	108
50258	City of Maitland	Large	Orange SJRWMD	2.564	52.0%	1.333	12,156	110	123
51073	Aqua Utilities of Florida, Inc.	Large	Orange SJRWMD	0.072	100.0%	0.072	2,411	30	32
86536	MHC SR Utility Systems LLC	Large	Orange SJRWMD	0.153	100.0%	0.153	2,355	65	48
92244	Sun Communities Inc	Large	Orange SJRWMD	0.000	93.3%	0.000	1,207	0	33
3159	Orlando Utilities Commission	Large	Orange SFWMD/SJRWMD	81.692	52.8%	43.133	519,949	83	87
3317, 48-00134-W, 48-00059-W	Orange County Public Utilities	Large	Orange SFWMD/SJRWMD	62.665	100.0%	62.665	530,545	118	123

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Orange County (continued).

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
48-00332-W	Hidden Valley	Small	Orange SFWMD	0.061	100.0%	0.061	691	88	88
48-00827-W	Orlando Lake Whippoorwill KOA	Small	Orange SFWMD	0.035	100.0%	0.035	N/A	N/A	N/A
3236	Ola Beach Improvement Assoc.	Small	Orange SJRWMD	0.016	86.6%	0.014	176	80	64
3299	Trimble Park	Small	Orange SJRWMD	0.000	100.0%	0.000	N/A	N/A	N/A
3322	Forty Acres Holding Co	Small	Orange SJRWMD	0.000	100.0%	0.000	0	N/A	N/A
3370	Orange Blossom RV Resort LLC	Small	Orange SJRWMD	0.000	100.0%	0.000	2	0	300
4611	Valencia Estates Apopka LLC	Small	Orange SJRWMD	0.022	85.0%	0.019	330	58	36
7673	The Valley Mobile Home Park	Small	Orange SJRWMD	0.030	99.0%	0.030	323	93	81
148768	Brightwood Manor MHP	Small	Orange SJRWMD	0.096	100.0%	0.096	699	137	140
Orange County Total				**189.422**	**74.7%**	**141.517**	**1,317,981**	**107**	**118**

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Osceola County.

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
49-00103-W	East Central Florida Services Inc.	Large	Osceola SFWMD	0.000	100.0%	0.000	0	N/A	N/A
49-00084-W	St. Cloud Utility	Large	Osceola SFWMD	7.014	100.0%	7.014	85,426	82	86
49-00103-W	Tohopekaliga Water Authority	Large	Osceola SFWMD	31.920	100.0%	31.920	291,082	110	118
49-00812-W	Pleasant Hill	Large	Osceola SFWMD	0.105	100.0%	0.105	600	175	175
49-01268-W	Tropical Palms Resort	Large	Osceola SFWMD	0.024	100.0%	0.024	194	124	51
49-01945-W	The Floridan RV Resort	Large	Osceola SFWMD	0.099	100.0%	0.099	224	442	393
	East Central Florida Services Inc.	Large	Osceola SJRWMD	0.000	100.0%	0.000	178	0	0
49-00103-W	Tohopekaliga Water Authority	Large	Osceola SJRWMD	0.000	100.0%	0.000	1,083	N/A	N/A
49-00450-W	Cypress Lake Fish Camp and RV Park	Small	Osceola SFWMD	0.016	100.0%	0.016	N/A	N/A	N/A
49-00701-W	Merry D RV Sanctuary	Small	Osceola SFWMD	0.010	100.0%	0.010	N/A	N/A	N/A
49-00914-W	Colonial Mobile Home Park	Small	Osceola SFWMD	0.013	100.0%	0.013	134	97	97
49-00937-W	Orange Grove Campground	Small	Osceola SFWMD	0.013	100.0%	0.013	N/A	N/A	N/A
49-00961-W	Cypress Cove	Small	Osceola SFWMD	0.062	100.0%	0.062	620	100	100
49-01205-W	Sharp's Mobile Home Park	Small	Osceola SFWMD	0.009	100.0%	0.009	227	40	40
49-01780-W	Lake Marian Shores	Small	Osceola SFWMD	0.018	100.0%	0.018	5	3,600	3600
49-01992-W	Canoe Creek Campground	Small	Osceola SFWMD	0.032	100.0%	0.032	178	180	180
49-01995-W	Boggy Creek Resort and RV Park	Small	Osceola SFWMD	0.011	100.0%	0.011	N/A	N/A	N/A

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Osceola County (continued).

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
49-01996-W	Lake Toho Resort	Small	Osceola SFWMD	0.066	100.0%	0.066	29	2,276	2276
49-02045-W	Kings Mobile Home Park	Small	Osceola SFWMD	0.008	100.0%	0.008	44	182	182
53-00185-W	Camp Mary Mobile Home Park	Small	Osceola SFWMD	0.000	100.0%	0.000	11	N/A	N/A
Osceola County Total				**39.420**	**100.0%**	**39.420**	**380,035**	**104**	**112**

Notes for **Table A-6b-1c.**
GPCD==gallons per capita per day; RCID==Reedy Creek Improvement District.

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Polk County.

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
49-00103-W	Tohopekaliga Water Authority (Poinciana)	Large	Polk SFWMD	7.189	100.0%	7.189	33,357	216	237
53-0026-W	River Ranch	Large	Polk SFWMD	0.158	100.0%	0.158	606	261	271
53-00030-W	Lake Wales Utility Company	Large	Polk SFWMD	0.081	100.0%	0.081	1,734	47	47
53-00126-W	Polk County Utilities (Oak Hills)	Large	Polk SFWMD	1.836	100.0%	1.836	3,532	520	803
341	City of Bartow	Large	Polk SWFWMD	3.140	54.2%	1.701	25,429	67	65
587	Lelynn RV Resort	Large	Polk SWFWMD	0.021	100.0%	0.021	274	77	80
645	City of Fort Meade	Large	Polk SWFWMD	0.565	71.3%	0.403	6,912	58	52
1616	Lake Region Mobile Home Owners	Large	Polk SWFWMD	0.092	100.0%	0.092	1,064	86	90
1625	Four Lakes Golf Club	Large	Polk SWFWMD	0.327	55.7%	0.182	1,100	165	171
2332	Lake Hamilton	Large	Polk SWFWMD	0.297	52.2%	0.155	1,539	101	94
3415	Orchid Springs Development Corp	Large	Polk SWFWMD	0.069	100.0%	0.069	1,087	63	59
4005	Park Water Company	Large	Polk SWFWMD	0.261	63.6%	0.166	3,087	54	54
4607	City of Winter Haven	Large	Polk SWFWMD	10.159	57.0%	5.791	85,847	67	76
4658	City of Lake Wales	Large	Polk SWFWMD	2.672	67.1%	1.792	25,357	71	69
4912	City of Lakeland Electric and Water	Large	Polk SWFWMD	22.080	65.2%	14.393	178,190	81	80
5251	Grenelefe Resort Utility, Inc.	Large	Polk SWFWMD	1.123	32.8%	0.368	2,949	125	147
5750	City of Davenport	Large	Polk SWFWMD	1.798	74.4%	1.337	11,715	114	125
5870	City of Frostproof	Large	Polk SWFWMD	0.319	58.6%	0.187	4,584	41	37
5893	Town of Dundee	Large	Polk SWFWMD	0.784	65.9%	0.517	6,230	83	84

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
6023	North Pointe HOA	Large	Polk SWFWMD	0.026	100.0%	0.026	156	167	172
6124	City of Mulberry	Large	Polk SWFWMD	0.405	55.8%	0.226	4,586	49	47
6174	Saddlebag Lake Resort	Large	Polk SWFWMD	0.097	92.8%	0.090	695	129	129
6505	Polk County Utilities - NWRUSA	Large	Polk SWFWMD	2.872	87.6%	2.516	45,892	55	54
6506	Polk County Utilities - SWRUSA	Large	Polk SWFWMD	3.551	91.1%	3.235	46,310	70	67
6507	Polk County Utilities - CRUSA	Large	Polk SWFWMD	1.205	80.8%	0.974	16,414	59	56
6508	Polk County Utilities - SERUSA	Large	Polk SWFWMD	0.642	38.5%	0.247	6,294	39	37
6509	Polk County Utilities - NERUSA	Large	Polk SWFWMD	8.182	85.5%	6.998	57,570	122	126
6624	City of Lake Alfred	Large	Polk SWFWMD	0.886	90.9%	0.805	10,067	80	81
6920	City of Eagle Lake	Large	Polk SWFWMD	0.522	58.2%	0.304	5,251	58	54
7119	City of Auburndale	Large	Polk SWFWMD	5.398	53.5%	2.890	35,209	82	77
7187	CHCVII Lake Henry MHP	Large	Polk SWFWMD	0.195	49.2%	0.096	1,081	89	98
7328	Carefree RV Country Club	Large	Polk SWFWMD	0.109	60.6%	0.066	837	79	79
7878	Aqua Utilities Florida, Inc. - Lake Gibson	Large	Polk SWFWMD	0.137	86.1%	0.118	2,200	54	54
8054	Polk County Utilities - ERUSA	Large	Polk SWFWMD	0.501	67.9%	0.340	4,399	77	76
8344	CHCIII Swift Village MHP	Large	Polk SWFWMD	0.128	82.0%	0.105	641	164	164
8468	City of Polk City	Large	Polk SWFWMD	0.440	76.1%	0.335	9,052	37	34
8522	City of Haines City	Large	Polk SWFWMD	5.077	64.7%	3.284	36,933	89	100

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
8967	Sweetwater Community LLC	Large	Polk SWFWMD	0.113	44.2%	0.050	551	91	140
12800	Hanover Jordans Grove, LLC	Large	Polk SWFWMD	0.125	0.0%	0.000	704	0	0
12964	Alafia Preserve LLC; Eagle Ridge LLC; and Donaldson	Large	Polk SWFWMD	0.000	N/A	0.000	0	N/A	N/A
13043	Utilities, Inc - Cypress Lakes Utilities Inc.	Large	Polk SWFWMD	0.236	74.2%	0.175	1,263	139	126
53-00088-W	Camp Mack	Small	Polk SFWMD	0.001	100.0%	0.001	N/A	N/A	N/A
53-00150-W	Indian Lake Utilities	Small	Polk SFWMD	0.070	100.0%	0.070	376	186	186
53-00152-W	Lake Kissimmee Mobile Home Park	Small	Polk SFWMD	0.012	100.0%	0.012	87	138	138
53-00172-W	Breeze Hill Utilities	Small	Polk SFWMD	0.054	100.0%	0.054	144	375	375
53-00185-W	Camp Mary Mobile Home Park	Small	Polk SFWMD	0.002	100.0%	0.002	N/A	N/A	N/A
53-00247-W	Bannon Fishing Resort	Small	Polk SFWMD	0.001	100.0%	0.001	N/A	N/A	N/A
53-00254-W	The Harbor RV Resort and Marina	Small	Polk SFWMD	0.033	100.0%	0.033	95	347	347
53-00266-W	Camp Rosalie	Small	Polk SFWMD	0.009	100.0%	0.009	N/A	N/A	N/A
53-00271-W	Shady Oaks Limited Use WTF	Small	Polk SFWMD	0.000	100.0%	0.000	4	0	0
53-00286-W	Wounded Veterans Hunt Camp	Small	Polk SFWMD	0.001	100.0%	0.001	N/A	N/A	N/A
53-00294-W	Coleman Landings	Small	Polk SFWMD	0.006	100.0%	0.006	N/A	N/A	N/A
002083	Alturas Utilities LLC	Small	Polk SWFWMD	0.031	100.0%	0.031	185	168	171
002410	Scenic View Mobile Home Park	Small	Polk SWFWMD	0.011	100.0%	0.011	216	51	54
002449	Lake Henry Estates	Small	Polk SWFWMD	0.079	100.0%	0.079	522	151	143
003214	Sunrise Water Company	Small	Polk SWFWMD	0.041	100.0%	0.041	625	66	68

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
004175	Rainbow Chase RV Resort	Small	Polk SWFWMD	0.034	100.0%	0.034	150	227	232
004441	Spring Hill Estates Mobile Home Park	Small	Polk SWFWMD	0.060	100.0%	0.060	552	109	112
005868	Rainbow Resort	Small	Polk SWFWMD	0.109	100.0%	0.109	344	317	346
006105	United Mc LLC	Small	Polk SWFWMD	0.014	100.0%	0.014	68	206	130
006152	Lakeside Ranch Investment Corp	Small	Polk SWFWMD	0.015	100.0%	0.015	401	37	37
006156	Kathleen Oak Mobile Home Park	Small	Polk SWFWMD	0.003	100.0%	0.003	42	71	74
006208	Whispering Pines of Frostproof LLC	Small	Polk SWFWMD	0.023	100.0%	0.023	81	284	271
006308	La Casa De Lake Wales	Small	Polk SWFWMD	0.011	100.0%	0.011	157	70	73
006314	Twin Fountains	Small	Polk SWFWMD	0.041	100.0%	0.041	403	102	81
006495	Christmas Tree Trailer Park	Small	Polk SWFWMD	0.016	100.0%	0.016	119	134	138
006597	Towerwood Mobile Home Park	Small	Polk SWFWMD	0.081	100.0%	0.081	650	125	127
006679	Keen Sales Rentals & Utilities	Small	Polk SWFWMD	0.020	100.0%	0.020	303	66	58
006893	Hidden Cove Ltd	Small	Polk SWFWMD	0.023	100.0%	0.023	228	101	102
007172	McLeod Gardens	Small	Polk SWFWMD	0.026	100.0%	0.026	236	110	112
007315	Camp Inn Resort	Small	Polk SWFWMD	0.030	100.0%	0.030	779	39	40
007333	Sunlake Terrace Estates	Small	Polk SWFWMD	0.031	100.0%	0.031	304	102	131
007557	Lakemont Ridge Home & RV Park	Small	Polk SWFWMD	0.021	100.0%	0.021	310	68	72

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Polk County (continued).

CUP Number	Owner	Utility Category	County/ District	2015 Water Use	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD
007653	Orange Hill-Sugar Creek Service Area	Small	Polk SWFWMD	0.077	100.0%	0.077	654	118	123
007703	Orange Acres Ranch	Small	Polk SWFWMD	0.051	100.0%	0.051	265	192	162
008285	Mouse Mountain Inc	Small	Polk SWFWMD	0.019	100.0%	0.019	353	54	57
008370	Doans Mobile Home Park	Small	Polk SWFWMD	0.008	100.0%	0.008	53	151	143
008399	Three Worlds Resort	Small	Polk SWFWMD	0.025	100.0%	0.025	233	107	110
008536	Woodland Lakes Creative	Small	Polk SWFWMD	0.001	100.0%	0.001	252	4	107
008684	Good Life Resort Inc	Small	Polk SWFWMD	0.016	100.0%	0.016	622	26	27
008753	Plantation Landings	Small	Polk SWFWMD	0.064	100.0%	0.064	735	87	79
009128	Pinecrest	Small	Polk SWFWMD	0.013	100.0%	0.013	322	40	88
009336	Gibsonia Estates	Small	Polk SWFWMD	0.069	100.0%	0.069	441	156	160
009341	Sunshine Foundation Dream Village	Small	Polk SWFWMD	0.014	100.0%	0.014	23	609	602
009557	Southern Pines RV & MHP Resort	Small	Polk SWFWMD	0.000	100.0%	0.000	336	0	95
009569	Keen Sales & Rentals Inc.	Small	Polk SWFWMD	0.006	100.0%	0.006	270	22	28
009807	Village of Highland Park	Small	Polk SWFWMD	0.024	100.0%	0.024	235	102	103
009835	Van Lakes HOA	Small	Polk SWFWMD	0.030	100.0%	0.030	185	162	166
012655	Florida Camp Inn	Small	Polk SWFWMD	0.062	100.0%	0.062	774	80	81
012899	Athena Cypress; LLC d/b/a Cypress Campground & RV	Small	Polk SWFWMD	0.017	100.0%	0.017	136	125	130
020598	Porridge Investments	Small	Polk SWFWMD	0.017	100.0%	0.017	258	66	66
Polk County Total				**85.240**	**71.3%**	**60.740**	**694,226**	**87**	**90**

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Seminole County.

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
160	Sanlando Utilities Corp.	Large	Seminole SJRWMD	5.696	76.0%	4.329	33,987	127	143
162	City of Sanford	Large	Seminole SJRWMD	7.019	57.7%	4.050	70,953	57	57
8213, 95581	Seminole County Environmental Services	Large	Seminole SJRWMD	15.670	67.8%	10.624	129,648	82	87
8238	City of Winter Springs	Large	Seminole SJRWMD	3.787	87.2%	3.302	38,227	86	90
8252	City of Oviedo	Large	Seminole SJRWMD	4.733	78.0%	3.692	39,447	94	95
8266	Palm Valley Manufactured Home Community	Large	Seminole SJRWMD	0.087	83.0%	0.072	2,176	33	34
8271	Mullet Lake Water Association Inc	Large	Seminole SJRWMD	0.072	95.0%	0.068	860	79	73
8274	City of Longwood	Large	Seminole SJRWMD	1.685	78.9%	1.329	14,019	95	93
8282	City of Lake Mary	Large	Seminole SJRWMD	3.220	42.0%	1.352	15,601	87	92
8284	City of Casselberry	Large	Seminole SJRWMD	4.431	88.3%	3.913	47,986	82	80
8345	Utilities Inc. of Florida	Large	Seminole SJRWMD	0.071	88.8%	0.063	523	120	93
8346	Utilities Inc. of Florida	Large	Seminole SJRWMD	0.215	88.8%	0.191	2,617	73	71
8352	Utilities Inc. of Florida	Large	Seminole SJRWMD	0.115	81.5%	0.094	916	103	85

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Table A-6b-1c. 2016-2020 residential water use and 5-year residential per capita averages for all public supply permittees in the CFWI Planning Area: 2020 for Seminole County (continued).

CUP Number	Owner	Utility Category	County/ District	2020 Water Use	2020 % Household	2020 Household Use	2020 Population	2020 Residential GPCD	2016-2020 Average Residential GPCD
8362	FGUA	Large	Seminole SJRWMD	0.488	80.0%	0.390	5,158	76	74
8372	City of Altamonte Springs	Large	Seminole SJRWMD	5.724	71.0%	4.064	55,358	73	77
SJ_S-TCRV_FA33	Town and Country RV Resort	Small	Seminole SJRWMD	0.000	100.0%	0.000	14	0	0
SJ_S-SHP_FA32	Spring Hammock MHP	Small	Seminole SJRWMD	0.005	100.0%	0.005	168	30	30
8229	Lake Harney Water Assoc Inc	Small	Seminole SJRWMD	0.033	87.9%	0.029	531	55	47
8347	Utilities Inc. of Florida	Small	Seminole SJRWMD	0.077	91.0%	0.070	686	102	77
8348	Utilities Inc. of Florida	Small	Seminole SJRWMD	0.048	88.0%	0.042	576	73	57
8349	Utilities Inc. of Florida	Small	Seminole SJRWMD	0.010	86.0%	0.009	109	83	66
8350, 8351	Utilities Inc. of Florida	Small	Seminole SJRWMD	0.015	84.1%	0.013	682	19	19
8353	Utilities Inc. of Florida	Small	Seminole SJRWMD	0.018	88.0%	0.016	270	59	47
8357	Aqua Utilities Florida Inc	Small	Seminole SJRWMD	0.001	89.0%	0.001	137	7	17
8462	Seminole Woods Assoc	Small	Seminole SJRWMD	0.074	69.6%	0.052	619	84	64
50932	Twelve Oaks – Thomas Vellanti	Small	Seminole SJRWMD	0.020	78.0%	0.016	628	25	18
Seminole County Total				**53.314**	**70.9%**	**37.786**	**461,896**	**82**	**85**

Notes for **Table A-6b-1c.**

1.) All water use and water demand projections are shown in million gallons per day (mgd). Average water use is shown in gallons per consumer per day (gpcd).

2.) Rounding errors account for nominal discrepancies.

3.) 2016-2020 water use obtained from the Districts' metered data, published annual reports, and the Florida Department of Environmental Protection Monthly Operating Report data.

4.) 2016-2020 population obtained from BEBR estimates of population for this CFWI RWSP. (BEBR 2022)

5.) Percent household use obtained from consumptive use permits, published water use reports, and utility data where available.

CRUSA==Central Regional Utility Service Area; FGUA==Florida Government Utility Authority; GPCD==gallons per capita per day.

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Table A-6c-1a. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values.

County/District	Utility	CUP Number	Population Served	Small Public Supply Population Projections					Buildout	Population Percent Change 2020-2045
			2020	2025	2030	2035	2040	2045		
Lake (CFWI) - SJRWMD	Timber Village Mobile Home Pk	166520	280	286	286	286	286	286	286	2%
	MHC OL Utility System LLC	2565	606	621	621	621	621	621	621	2%
	Vacation Village Condominium Association	2847	502	515	515	515	515	515	515	3%
	Monteverde Mobile Home Subd Assn Inc	2890	759	792	804	829	862	928	1,067	22%
	Torch Lite MHP LLC	2893	141	144	144	144	144	144	144	2%
	Four Winds Ecclesia	2927	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Citrus Cove Homeowners Assoc	2989	117	120	120	120	120	120	120	3%
	Edgewater Beach Homeowners Assoc	4487	119	131	142	142	142	142	142	19%
	Presco Associates LLC	10846	0	46	97	142	181	213	326	N/A
	Highlands MHP and Sales Inc	50218	190	195	195	195	195	195	195	3%
	Lake-Ulmerton Corporation	50307	7	6	6	6	6	6	6	-14%
	SJRWMD Lake (CFWI) Total		**2,721**	**2,856**	**2,930**	**3,000**	**3,072**	**3,170**	**3,422**	**17%**
Orange - SFWMD	Hidden Valley	48-00332-W	691	693	693	693	693	693	693	0%
	Orlando Lake Whippoorwill KOA	48-00827-W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	SFWMD Orange Total		**691**	**693**	**693**	**693**	**693**	**693**	**693**	**0%**
Orange - SJRWMD	Ola Beach Improvement Assoc.	3236	176	176	176	176	176	176	176	0%
	Trimble Park	3299	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Forty Acres Holding Co	3322	0	10	10	10	10	10	10	N/A
	Orange Blossom RV Resort LLC	3370	2	3	3	3	3	3	3	50%
	Valencia Estates Apopka LLC	4611	330	331	332	336	336	336	336	2%
	The Valley Mobile Home Park	7673	323	324	324	324	324	329	330	2%
	Brightwood Manor MHP	148768	699	702	704	707	709	711	711	2%
	SJRWMD Orange Total		**1,530**	**1,546**	**1,549**	**1,556**	**1,558**	**1,565**	**1,566**	**2%**

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Table A-6c-1a. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values (continued).

County/District	Utility	CUP Number	Population Served	Small Public Supply Population Projections					Buildout	Population Percent Change 2020-2045
			2020	2025	2030	2035	2040	2045		
Osceola - SFWMD	Cypress Lake Fish Camp and RV Park	49-00450-W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Merry D RV Sanctuary	49-00701-W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Colonial Mobile Home Park	49-02793-W	134	134	134	134	134	134	134	0%
	Orange Grove Campground	49-00937-W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Cypress Cove	49-00961-W	620	619	619	619	619	619	619	0%
	Sharp's Mobile Home Park	49-01205-W	227	227	227	227	227	227	227	0%
	Lake Marian Shores	49-01780-W	5	5	5	5	5	5	5	0%
	Canoe Creek Campground	49-01992-W	178	178	178	178	178	178	178	0%
	East Toho RV Resort and Marina (formerly Boggy Creek Resort and RV Park)	49-01995-W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Lake Toho Resort	49-01996-W	29	29	29	29	29	29	29	0%
	Kings Mobile Home Park	49-02045-W	44	44	44	44	44	44	44	0%
	Camp Mary Mobile Home Park	53-00185-W	11	11	11	11	11	11	11	0%
	SFWMD Osceola Total		**1,248**	**1,247**	**1,247**	**1,247**	**1,247**	**1,247**	**1,247**	**0%**
Polk - SFWMD	Camp Mack	53-00088-W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Indian Lake Utilities	53-00150-W	376	385	390	395	399	404	644	7%
	Lake Kissimmee Mobile Home Park	53-00152-W	87	88	88	88	88	88	97	1%
	Breeze Hill Utilities	53-00172-W	144	146	147	148	149	149	190	3%
	Camp Mary Mobile Home Park	53-00185-W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Bannon Fishing Resort	53-00247-W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	The Harbor Waterfront Resort (formerly The Harbor RV Resort and Marina)	53-00254-W	95	96	96	96	96	96	97	1%
	Camp Rosalie	53-00266-W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Shady Oaks Limited Use WTF	53-00271-W	4	4	4	4	4	4	4	0%
	Wounded Veterans Hunt Camp	53-00286-W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Coleman Landings	53-00294-W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	SFWMD Polk Total		**706**	**719**	**725**	**731**	**736**	**741**	**1,032**	**5%**

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Table A-6c-1a. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values (continued).

County/District	Utility	CUP Number	Population Served	Small Public Supply Population Projections					Buildout	Population Percent Change 2020-2045
			2020	2025	2030	2035	2040	2045		
Polk – SWFWMD	Alturas Utilities LLC	002083	185	186	186	187	187	188	395	2%
	Scenic View Mobile Home Park	002410	216	229	242	259	273	285	293	32%
	Lake Henry Estates	002449	522	524	525	527	528	528	528	1%
	Circle B	002656	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Sunrise Water Company	003214	625	627	630	631	633	652	706	4%
	Rainbow Chase RV Resort	004175	150	150	150	150	150	150	150	0%
	Spring Hill Estates Mobile Home Park	004441	552	553	553	553	553	553	553	0%
	Rainbow Resort	005868	344	345	345	345	345	345	345	0%
	United Mc LLC	006105	68	68	68	68	68	68	68	0%
	Lakeside Ranch Investment Corp	006152	401	401	401	401	401	401	401	0%
	Kathleen Oak Mobile Home Park	006156	42	42	42	42	42	42	42	0%
	Whispering Pines Of Frostproof LLC	006208	81	81	81	81	81	81	81	0%
	La Casa De Lake Wales	006308	157	158	158	158	158	158	158	1%
	Twin Fountains	006314	403	405	406	406	406	406	416	1%
	Christmas Tree Trailer Park	006495	119	119	119	119	119	119	119	0%
	Towerwood Mobile Home Park	006597	650	652	652	653	654	654	697	1%
	Keen Sales Rentals & Utilities	006679	303	304	304	308	313	315	318	4%
	Hidden Cove Ltd	006893	228	229	229	229	229	229	229	0%
	McLeod Gardens	007172	236	237	237	240	244	245	248	4%
	Camp Inn Resort	007315	779	780	780	780	780	780	780	0%
	Sunlake Terrace Estates	007333	304	304	304	304	304	304	304	0%
	Lakemont Ridge Home & RV Park	007557	310	310	311	311	312	312	319	1%
	Peace Creek RV Park, LLC	007610	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Orange Hill-Sugar Creek Service Area	007653	654	658	662	667	672	673	681	3%
	Orange Acres Ranch	007703	265	266	267	267	268	268	489	1%
	Mouse Mountain Inc	008285	353	354	355	355	355	355	355	1%
	Doans Mobile Home Park	008370	53	53	53	53	53	53	53	0%
	Three Worlds Resort	008399	233	233	233	233	233	233	233	0%
	Woodland Lakes Creative	008536	252	252	252	252	252	252	252	0%
	Good Life Resort Inc	008684	622	623	623	623	623	623	674	0%
	Plantation Landings	008753	735	744	753	763	768	768	768	4%
	Pinecrest	009128	322	323	323	324	324	324	386	1%
	Gibsonia Estates	009336	441	496	511	524	534	537	539	22%
	Sunshine Foundation Dream Village	009341	23	23	23	23	23	23	23	0%
	Southern Pines RV & MHP Resort	009557	336	337	337	337	337	337	337	0%
	Keen Sales & Rentals Inc.	009569	270	274	275	275	275	277	283	3%
	Village Of Highland Park	009807	235	236	246	260	278	282	293	20%
	Van Lakes HOA	009835	185	186	187	188	188	189	202	2%
	Winter Haven Mobile Home Park	012217	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Table A-6c-1a. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Population values (continued).

County/District	Utility	CUP Number	Population Served	Small Public Supply Population Projections					Buildout	Population Percent Change 2020-2045
			2020	2025	2030	2035	2040	2045		
Polk – SWFWMD (continued)	Florida Camp Inn	012655	774	775	775	775	775	775	775	0%
	Athena Cypress; LLC d/b/a Cypress Campground & RV	012899	136	136	136	136	136	136	136	0%
	Pine Ridge Estates	020598	258	270	270	270	270	270	270	5%
	SWFWMD Polk Total		**12,822**	**12,943**	**13,004**	**13,077**	**13,144**	**13,190**	**13,899**	**3%**
Seminole – SJRWMD	Town and Country RV Resort	SJ_S-TCRV_FA33	14	118	124	130	148	164	182	1071%
	Spring Hammock MHP	SJ_S-SHP_FA32	168	168	168	168	168	168	168	0%
	Lake Harney Water Assoc Inc	8229	531	553	568	581	594	606	831	14%
	Utilities Inc. of Florida	8347	686	702	722	732	732	732	732	7%
	Utilities Inc. of Florida	8348	576	595	616	627	627	627	627	9%
	Utilities Inc. of Florida	8349	109	110	110	110	110	110	110	1%
	Utilities Inc. of Florida	8350, 8351	682	726	753	753	753	753	753	10%
	Utilities Inc. of Florida	8353	270	270	270	270	270	270	270	0%
	Aqua Utilities Florida Inc	8357	137	139	141	145	145	145	145	6%
	Seminole Woods Assoc	8462	619	627	631	635	638	641	701	4%
	Twelve Oaks – Thomas Vellanti	**50932**	**628**	**630**	**630**	**630**	**630**	**630**	**630**	**0%**
	SJRWMD Seminole Total		**4,420**	**4,638**	**4,733**	**4,781**	**4,815**	**4,846**	**5,149**	**10%**
Total SFWMD			**2,645**	**2,659**	**2,665**	**2,671**	**2,676**	**2,681**	**2,972**	**1%**
Total SJRWMD			**8,671**	**9,040**	**9,212**	**9,337**	**9,445**	**9,581**	**10,137**	**10%**
Total SWFWMD			**12,822**	**12,943**	**13,004**	**13,077**	**13,144**	**13,190**	**13,899**	**3%**
CFWI Total			**24,138**	**24,642**	**24,881**	**25,085**	**25,265**	**25,452**	**27,008**	**5%**

Notes for **Table A-6c-1a.**

1.) All water use and water demand projections are shown in millions of gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2025 to 2045 county population projections were obtained from BEBR Population Projections: Bulletin 192, Published April 2022. (BEBR 2022)

4.) Population projections shown here are permanent population projections only and do not include any factors such as seasonal residents, tourist population, or net commuter population.

5.) Per capita used to calculate demand projections is an average from 2016 - 2020 and is calculated as (Total Water Use / Total Estimated Population). This per capita is commonly referred to as a gross per capita, as it includes all uses within a utility.

6.) 1-in-10 rainfall year water demand for 2045 calculated as an additional 6 percent of 2045 average water demand.

7.) Surface water quantities were obtained from permits.

MHP==mobile home park; WTF==wastewater treatment facility.

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Table A-6c-1b. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values.

County/ District	Utility	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Lake (CFWI) - SJRWMD	Timber Village Mobile Home Pk	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	50	0.01	0.00	0.01
	MHC OL Utility System LLC	0.04	0.00	0.04	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	-25%	54	0.03	0.00	0.03
	Vacation Village Condominium Association	0.04	0.00	0.04	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	-25%	64	0.03	0.00	0.03
	Monteverde Mobile Home Subd Assn Inc	0.03	0.00	0.03	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.03	0.00	0.03	0%	28	0.03	0.00	0.03
	Torch Lite MHP LLC	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	N/A	45	0.01	0.00	0.01
	Four Winds Ecclesia	0.00	0.00	0.00	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	N/A	N/A	0.03	0.00	0.03
	Citrus Cove Homeowners Assoc	0.02	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	-50%	118	0.01	0.00	0.01
	Edgewater Beach Homeowners Assoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0	0.00	0.00	0.00
	Presco Associates LLC	0.00	0.00	0.00	0.01	0.00	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.03	0.00	0.03	0.04	0.00	0.04	N/A	174	0.04	0.00	0.04
	Highlands MHP and Sales Inc	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	53	0.01	0.00	0.01
	Lake-Ulmerton Corporation	0.02	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	-50%	2114	0.01	0.00	0.01
	SJRWMD Lake (CFWI) Total	**0.17**	**0.00**	**0.17**	**0.17**	**0.00**	**0.17**	**0.18**	**0.00**	**0.18**	**0.18**	**0.00**	**0.18**	**0.19**	**0.00**	**0.19**	**0.21**	**0.00**	**0.21**	**24%**	**54**	**0.21**	**0.00**	**0.21**

DRAFT FINAL

Table A-6c-1b. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Orange - SFWMD	Hidden Valley	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0%	88	0.06	0.00	0.06
	Orlando Lake Whippoorwill KOA	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0%	N/A	0.04	0.00	0.04
	SFWMD Orange Total	**0.10**	**0.00**	**0.10**	**0.10**	**0.00**	**0.10**	**0.10**	**0.00**	**0.10**	**0.10**	**0.00**	**0.10**	**0.10**	**0.00**	**0.10**	**0.10**	**0.00**	**0.10**	**0%**	**139**	**0.10**	**0.00**	**0.10**
Orange - SJRWMD	Ola Beach Improvement Assoc.	0.02	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	-50%	73	0.01	0.00	0.01
	Trimble Park	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	N/A	N/A	0.01	0.00	0.01
	Forty Acres Holding Co	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	249	0.00	0.00	0.00
	Orange Blossom RV Resort LLC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	300	0.00	0.00	0.00
	Valencia Estates Apopka LLC	0.02	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	-50%	42	0.01	0.00	0.01
	The Valley Mobile Home Park	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0%	81	0.03	0.00	0.03
	Brightwood Manor MHP	0.10	0.00	0.10	0.10	0.00	0.10	0.10	0.00	0.10	0.10	0.00	0.10	0.10	0.00	0.10	0.10	0.00	0.10	0%	140	0.11	0.00	0.11
	SJRWMD Orange Total	**0.17**	**0.00**	**0.17**	**0.16**	**0.00**	**0.16**	**0.16**	**0.00**	**0.16**	**0.16**	**0.00**	**0.16**	**0.16**	**0.00**	**0.16**	**0.16**	**0.00**	**0.16**	**-6%**	**99**	**0.17**	**0.00**	**0.17**

DRAFT FINAL

Table A-6c-1b. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water Use			Demand Projections (5-in-10)																Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045						2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Osceola - SFWMD	Cypress Lake Fish Camp and RV Park	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	N/A	0.02	0.00	0.02
	Merry D RV Sanctuary	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	N/A	0.01	0.00	0.01
	Colonial Mobile Home Park	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	97	0.01	0.00	0.01
	Orange Grove Campground	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	N/A	0.01	0.00	0.01
	Cypress Cove	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0%	100	0.06	0.00	0.06
	Sharp's Mobile Home Park	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	40	0.01	0.00	0.01
	Lake Marian Shores	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	3600	0.02	0.00	0.02
	Canoe Creek Campground	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0%	180	0.03	0.00	0.03
	East Toho RV Resort and Marina (formerly Boggy Creek Resort and RV Park)	0.01	0.00	0.01	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	300%	N/A	0.04	0.00	0.04
	Lake Toho Resort	0.07	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.07	0%	2276	0.07	0.00	0.07
	Kings Mobile Home Park	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	182	0.01	0.00	0.01
	Camp Mary Mobile Home Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A	0.00	0.00	0.00
	SFWMD Osceola Total	**0.26**	**0.00**	**0.26**	**0.29**	**0.00**	**0.29**	**0.29**	**0.00**	**0.29**	**0.29**	**0.00**	**0.29**	**0.29**	**0.00**	**0.29**	**0.29**	**0.00**	**0.29**	**12%**	**208**	**0.29**	**0.00**	**0.29**

DRAFT FINAL

Table A-6c-1b. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Polk – SFWMD	Camp Mack	0.00	0.00	0.00	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	N/A	N/A	0.06	0.00	0.06
	Indian Lake Utilities	0.07	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.07	0.08	0.00	0.08	14%	186	0.08	0.00	0.08
	Lake Kissimmee Mobile Home Park	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	138	0.01	0.00	0.01
	Breeze Hill Utilities	0.05	0.00	0.05	0.05	0.00	0.05	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	20%	375	0.06	0.00	0.06
	Camp Mary Mobile Home Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A	0.00	0.00	0.00
	Bannon Fishing Resort	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A	0.00	0.00	0.00
	The Harbor Waterfront Resort (formerly The Harbor RV Resort and Marina)	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0%	347	0.03	0.00	0.03
	Camp Rosalie	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	N/A	0.01	0.00	0.01
	Shady Oaks Limited Use WTF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0	0.00	0.00	0.00
	Wounded Veterans Hunt Camp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A	0.00	0.00	0.00
	Coleman Landings	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	N/A	0.01	0.00	0.01
	SFWMD Polk Total	**0.18**	**0.00**	**0.18**	**0.24**	**0.00**	**0.24**	**0.25**	**0.00**	**0.25**	**0.25**	**0.00**	**0.25**	**0.25**	**0.00**	**0.25**	**0.26**	**0.00**	**0.26**	**44%**	**268**	**0.26**	**0.00**	**0.26**

DRAFT FINAL

Table A-6c-1b. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water Use			Demand Projections (5-in-10)																Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045						2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Polk – SWFWMD	Alturas Utilities LLC	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.02	0.00	0.02	100%	54	0.02	0.00	0.02
	Scenic View Mobile Home Park	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0%	144	0.08	0.00	0.08
	Lake Henry Estates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	N/A	0.00	0.00	0.00
	Circle B	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0%	68	0.04	0.00	0.04
	Sunrise Water Company	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0%	232	0.03	0.00	0.03
	Rainbow Chase RV Resort	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0%	112	0.06	0.00	0.06
	Spring Hill Estates Mobile Home Park	0.11	0.00	0.11	0.12	0.00	0.12	0.12	0.00	0.12	0.12	0.00	0.12	0.12	0.00	0.12	0.12	0.00	0.12	9%	346	0.13	0.00	0.13
	Rainbow Resort	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	130	0.01	0.00	0.01
	United Mc LLC	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	38	0.02	0.00	0.02
	Lakeside Ranch Investment Corp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	74	0.00	0.00	0.00
	Kathleen Oak Mobile Home Park	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	272	0.02	0.00	0.02
	Whispering Pines of Frostproof LLC	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	73	0.01	0.00	0.01
	La Casa De Lake Wales	0.04	0.00	0.04	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	-25%	81	0.03	0.00	0.03
	Twin Fountains	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.02	0.00	0.02	100%	54	0.02	0.00	0.02

DRAFT FINAL

Table A-6c-1b. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Polk – SWFWMD (continued)	Christmas Tree Trailer Park	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	138	0.02	0.00	0.02
	Towerwood Mobile Home Park	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0%	127	0.08	0.00	0.08
	Keen Sales Rentals & Utilities	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	59	0.02	0.00	0.02
	Hidden Cove Ltd	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	102	0.02	0.00	0.02
	McLeod Gardens	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0%	112	0.03	0.00	0.03
	Camp Inn Resort	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0%	40	0.03	0.00	0.03
	Sunlake Terrace Estates	0.03	0.00	0.03	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	33%	131	0.04	0.00	0.04
	Lakemont Ridge Home & RV Park	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	72	0.02	0.00	0.02
	Peace Creek RV Park, LLC	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-100%	N/A	0.00	0.00	0.00
	Orange Hill-Sugar Creek Service Area	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0%	123	0.08	0.00	0.08
	Orange Acres Ranch	0.05	0.00	0.05	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	-20%	162	0.04	0.00	0.04
	Mouse Mountain Inc	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	57	0.02	0.00	0.02
	Doans Mobile Home Park	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	143	0.01	0.00	0.01
	Three Worlds Resort	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0%	110	0.03	0.00	0.03
	Woodland Lakes Creative	0.00	0.00	0.00	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	N/A	106	0.03	0.00	0.03
	Good Life Resort Inc	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	27	0.02	0.00	0.02
	Plantation Landings	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0%	79	0.06	0.00	0.06

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Table A-6c-1b. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water Use			Demand Projections (5-in-10)															Percent Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Polk – SWFWMD (Continued)	Pinecrest	0.01	0.00	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	200%	87	0.03	0.00	0.03
	Gibsonia Estates	0.07	0.00	0.07	0.08	0.00	0.08	0.08	0.00	0.08	0.08	0.00	0.08	0.09	0.00	0.09	0.09	0.00	0.09	29%	160	0.10	0.00	0.10
	Sunshine Foundation Dream Village	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	602	0.01	0.00	0.01
	Southern Pines RV & MHP Resort	0.00	0.00	0.00	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	N/A	94	0.03	0.00	0.03
	Keen Sales & Rentals Inc.	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	28	0.01	0.00	0.01
	Village Of Highland Park	0.02	0.00	0.02	0.02	0.00	0.02	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	50%	103	0.03	0.00	0.03
	Van Lakes HOA	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0%	166	0.03	0.00	0.03
	Winter Haven Mobile Home Park	0.00	0.00	0.00	0.05	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.05	N/A	N/A	0.05	0.00	0.05
	Florida Camp Inn	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0%	81	0.06	0.00	0.06
	Athena Cypress; LLC d/b/a Cypress Campground & RV	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	N/A	130	0.02	0.00	0.02
	Pine Ridge Estates	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	38	0.01	0.00	0.01
	SWFWMD Polk Total	**1.24**	**0.00**	**1.24**	**1.36**	**0.00**	**1.36**	**1.37**	**0.00**	**1.37**	**1.37**	**0.00**	**1.37**	**1.38**	**0.00**	**1.38**	**1.39**	**0.00**	**1.39**	**12%**	**110**	**1.40**	**0.00**	**1.40**

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Table A-6c-1b. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

County/ District	Utility	Water Use			Demand Projections (5-in-10)															Percent Change 2020-2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
		2020			2025			2030			2035			2040			2045					2045		
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
Seminole - SJRWMD	Town and Country RV Resort	0.00	0.00	0.00	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	N/A	0	0.02	0.00	0.02
	Spring Hammock MHP	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	N/A	30	0.01	0.00	0.01
	Lake Harney Water Assoc Inc	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.00	0.03	0%	51	0.03	0.00	0.03
	Utilities Inc. of Florida	0.08	0.00	0.08	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	-25%	83	0.06	0.00	0.06
	Utilities Inc. of Florida	0.05	0.00	0.05	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	0.04	0.00	0.04	-20%	65	0.04	0.00	0.04
	Utilities Inc. of Florida	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0%	75	0.01	0.00	0.01
	Utilities Inc. of Florida	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	22	0.02	0.00	0.02
	Utilities Inc. of Florida	0.02	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	-50%	52	0.01	0.00	0.01
	Aqua Utilities Florida Inc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	19	0.00	0.00	0.00
	Seminole Woods Assoc	0.07	0.00	0.07	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00	0.06	-14%	93	0.06	0.00	0.06
	Twelve Oaks - Thomas Vellanti	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0%	24	0.02	0.00	0.02
	SJRWMD Seminole Total	**0.31**	**0.00**	**0.31**	**0.28**	**0.00**	**0.28**	**0.28**	**0.00**	**0.28**	**0.28**	**0.00**	**0.28**	**0.28**	**0.00**	**0.28**	**0.28**	**0.00**	**0.28**	**-10%**	**54**	**0.28**	**0.00**	**0.28**

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Table A-6c-1b. Small public supply population served, and water use for 2020, small public supply population projections and 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county and utility in the CFWI Planning Area: Demand values (continued).

District	Water Use			Demand Projections (5-in-10)															Percent Change 2020 - 2045	2016-2020 Avg Gross GPCD	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045					2045		
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			GW	SW	Total
SFWMD Total	**0.54**	**0.00**	**0.54**	**0.63**	**0.00**	**0.63**	**0.64**	**0.00**	**0.64**	**0.64**	**0.00**	**0.64**	**0.64**	**0.00**	**0.64**	**0.65**	**0.00**	**0.65**	**20%**	**206**	**0.65**	**0.00**	**0.65**
SJRWMD Total	**0.65**	**0.00**	**0.65**	**0.61**	**0.00**	**0.61**	**0.62**	**0.00**	**0.62**	**0.62**	**0.00**	**0.62**	**0.63**	**0.00**	**0.63**	**0.65**	**0.00**	**0.65**	**0%**	**62**	**0.66**	**0.00**	**0.66**
SWFWMD Total	**1.24**	**0.00**	**1.24**	**1.36**	**0.00**	**1.36**	**1.37**	**0.00**	**1.37**	**1.37**	**0.00**	**1.37**	**1.38**	**0.00**	**1.38**	**1.39**	**0.00**	**1.39**	**12%**	**110**	**1.40**	**0.00**	**1.40**
CFWI Total	**2.43**	**0.00**	**2.43**	**2.60**	**0.00**	**2.60**	**2.63**	**0.00**	**2.63**	**2.63**	**0.00**	**2.63**	**2.65**	**0.00**	**2.65**	**2.69**	**0.00**	**2.69**	**11%**	**103**	**2.71**	**0.00**	**2.71**

Notes for **Table A-6c-1b.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2025 to 2045 county population projections were obtained from BEBR Population Projections: Bulletin 192, Published April 2022. (BEBR 2022)

4.) Population projections shown here are permanent population projections only and do not include any factors such as seasonal residents, tourist population, or net commuter population.

5.) Per capita used to calculate demand projections is an average from 2016 - 2020 and is calculated as (Total Water Use / Total Estimated Population). This per capita is commonly referred to as a gross per capita, as it includes all uses within a utility.

6.) 1-in-10 rainfall year water demand for 2045 calculated as an additional 6 percent of 2045 average water demand.

7.) Surface water quantities were obtained from permits.

GPCD==gallons per capita per day; GW==groundwater; SW==surface water; WTF==wastewater treatment facility.

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Table A-6d. 2016-2020 water use, population served, and 5-year gross per capita averages for small public supply systems (permitted less than 0.10 mgd) in the CFWI Planning Area.

CUP Number	Utility	Water Use					Population					2016-2020 Avg GPCD
		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
166520	Timber Village Mobile Home Pk	0.013	0.013	0.013	0.013	0.013	255	252	251	257	280	50
2565	Hometown America	0.032	0.002	0.039	0.039	0.039	554	545	544	557	606	54
2847	Vacation Village Condominium Association	0.033	0.001	0.038	0.038	0.038	459	452	451	462	502	64
2890	Monteverde Mobile Home Subd Assn Inc	0.019	0.001	0.025	0.025	0.025	673	665	666	689	759	28
2893	Torch Lite MHP LLC	0.005	0.000	0.014	0.010	0.000	128	127	126	129	141	45
2927	Four Winds Ecclesia	0.000	0.000	0.000	0.000	0.000	N/A	N/A	N/A	N/A	N/A	N/A
2989	Citrus Cove Homeowners Assoc	0.015	0.001	0.016	0.016	0.016	107	105	105	107	117	118
4487	Edgewater Beach	0.000	0.000	0.000	0.000	0.000	109	107	107	110	119	0
10846	Barrington Estates	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	N/A
50218	Highlands MHP and Sales Inc	0.013	0.001	0.011	0.011	0.011	174	171	171	175	190	53
50307	Lake-Ulmerton Corporation	0.022	0.001	0.017	0.017	0.017	7	7	7	7	7	2,114
SJRWMD Lake (CFWI) County Total		**0.152**	**0.020**	**0.173**	**0.169**	**0.159**	**2,466**	**2,431**	**2,428**	**2,493**	**2,721**	**54**
48-00332-W	Hidden Valley	0.061	0.061	0.061	0.061	0.061	691	691	691	691	691	88
48-00827-W	Orlando Lake Whippoorwill KOA	0.035	0.035	0.035	0.035	0.035	N/A	N/A	N/A	N/A	N/A	N/A
SFWMD Orange County Total		**0.096**	**0.096**	**0.096**	**0.096**	**0.096**	**691**	**691**	**691**	**691**	**691**	**139**
3236	Ola Beach Improvement Assoc.	0.013	0.001	0.017	0.016	0.016	170	172	173	174	176	73
3299	Trimble Park	0.000	0.000	0.000	0.000	0.000	N/A	N/A	N/A	N/A	N/A	N/A
3322	Forty Acres Holding Co	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	N/A
3370	Orange Blossom RV Resort LLC	0.003	0.000	0.000	0.000	0.000	2	2	2	2	2	300
4611	Valencia Estates Apopka LLC	0.001	0.001	0.022	0.022	0.022	319	322	324	325	330	42
7673	The Valley Mobile Home Park	0.027	0.001	0.040	0.030	0.030	312	315	317	318	323	81
148768	Brightwood Manor MHP	0.096	0.096	0.096	0.096	0.096	675	681	684	688	699	140
SJRWMD Orange County Total		**0.140**	**0.099**	**0.175**	**0.164**	**0.164**	**1,478**	**1,492**	**1,500**	**1,507**	**1,530**	**99**
49-00450-W	Cypress Lake Fish Camp and RV Park	0.016	0.016	0.016	0.016	0.016	N/A	N/A	N/A	N/A	N/A	N/A
49-00701-W	Merry D RV Sanctuary	0.010	0.010	0.010	0.010	0.010	N/A	N/A	N/A	N/A	N/A	N/A
49-00914-W	Colonial Mobile Home Park	0.013	0.013	0.013	0.013	0.013	134	134	134	134	134	97
49-00937-W	Orange Grove Campground	0.013	0.013	0.013	0.013	0.013	N/A	N/A	N/A	N/A	N/A	N/A

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Table A-6d. 2016-2020 water use, population served, and 5-year gross per capita averages for small public supply systems (permitted less than 0.10 mgd) in the CFWI Planning Area (continued).

CUP Number	Utility	Water Use					Population					2016-2020 Avg GPCD
		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
49-00961-W	Cypress Cove	0.062	0.062	0.062	0.062	0.062	620	620	620	620	620	100
49-01205-W	Sharp's Mobile Home Park	0.009	0.009	0.009	0.009	0.009	227	227	227	227	227	40
49-01780-W	Lake Marian Shores	0.018	0.018	0.018	0.018	0.018	5	5	5	5	5	3,600
49-01992-W	Canoe Creek Campground	0.032	0.032	0.032	0.032	0.032	178	178	178	178	178	180
49-01995-W	Boggy Creek Resort and RV Park	0.011	0.011	0.011	0.011	0.011	N/A	N/A	N/A	N/A	N/A	N/A
49-01996-W	Lake Toho Resort	0.066	0.066	0.066	0.066	0.066	29	29	29	29	29	2,276
49-02045-W	Kings Mobile Home Park	0.008	0.008	0.008	0.008	0.008	44	44	44	44	44	182
53-00185-W	Camp Mary Mobile Home Park	0.002	0.002	0.002	0.002	0.002	11	11	11	11	11	N/A
SFWMD Osceola County Total		**0.260**	**0.260**	**0.260**	**0.260**	**0.260**	**1,248**	**1,248**	**1,248**	**1,248**	**1,248**	**208**
53-00088-W	Camp Mack	0.001	0.001	0.001	0.001	0.001	N/A	N/A	N/A	N/A	N/A	N/A
53-00150-W	Indian Lake Utilities	0.070	0.070	0.070	0.070	0.070	376	376	376	376	376	186
53-00152-W	Lake Kissimmee Mobile Home Park	0.012	0.012	0.012	0.012	0.012	87	87	87	87	87	138
53-00172-W	Breeze Hill Utilities	0.054	0.054	0.054	0.054	0.054	144	144	144	144	144	375
53-00185-W	Camp Mary Mobile Home Park	0.002	0.002	0.002	0.002	0.002	N/A	N/A	N/A	N/A	N/A	N/A
53-00247-W	Bannon Fishing Resort	0.001	0.001	0.001	0.001	0.001	N/A	N/A	N/A	N/A	N/A	N/A
53-00254-W	The Harbor RV Resort and Marina	0.033	0.033	0.033	0.033	0.033	95	95	95	95	95	347
53-00266-W	Camp Rosalie	0.009	0.009	0.009	0.009	0.009	N/A	N/A	N/A	N/A	N/A	N/A
53-00271-W	Shady Oaks Limited Use WTF	0.000	0.000	0.000	0.000	0.000	4	4	4	4	4	0
53-00286-W	Wounded Veterans Hunt Camp	0.001	0.001	0.001	0.001	0.001	N/A	N/A	N/A	N/A	N/A	N/A
53-00294-W	Coleman Landings	0.006	0.006	0.006	0.006	0.006	N/A	N/A	N/A	N/A	N/A	N/A
SFWMD Polk County Total		**0.189**	**0.189**	**0.189**	**0.189**	**0.189**	**706**	**706**	**706**	**706**	**706**	**268**
002083	Alturas Utilities LLC	0.029	0.030	0.034	0.030	0.031	177	179	179	180	185	171
002410	Scenic View Mobile Home Park	0.011	0.011	0.013	0.011	0.011	207	209	208	210	216	54
002449	Lake Henry Estates	0.063	0.072	0.073	0.077	0.079	499	505	503	506	522	144
002656	Circle B	0.002	0.002	0.002	0.002	0.002	N/A	N/A	N/A	N/A	N/A	N/A
003214	Sunrise Water Company	0.037	0.045	0.043	0.040	0.041	597	604	602	606	625	68
004175	Rainbow Chase RV Resort	0.032	0.033	0.037	0.033	0.034	143	145	145	146	150	232
004441	Spring Hill Estates Mobile Home Park	0.055	0.064	0.063	0.058	0.060	528	534	532	536	552	112
004479	Valhalla HOA Inc	0.086	0.121	0.138	0.125	0.109	329	333	332	334	344	346
005868	Rainbow Resort	0.029	0.030	0.034	0.030	0.031	177	179	179	180	185	171

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Table A-6d. 2016-2020 water use, population served, and 5-year gross per capita averages for small public supply systems (permitted less than 0.10 mgd) in the CFWI Planning Area (continued).

CUP Number	Utility	Water Use					Population					2016-2020 Avg GPCD
		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
006105	United Mc LLC	0.007	0.007	0.008	0.007	0.014	65	66	65	66	68	130
006152	Lakeside Ranch Investment Corp	0.014	0.014	0.016	0.014	0.015	381	387	386	389	401	38
006156	Kathleen Oak Mobile Home Park	0.003	0.003	0.003	0.003	0.003	40	40	40	40	42	74
006208	Whispering Pines of Frostproof LLC	0.020	0.020	0.023	0.021	0.023	78	78	78	79	81	272
006308	La Casa De Lake Wales	0.011	0.011	0.012	0.011	0.011	151	152	152	153	157	73
006314	Twin Fountains	0.035	0.036	0.005	0.041	0.041	381	387	386	389	403	81
006495	Christmas Tree Trailer Park	0.015	0.015	0.018	0.016	0.016	114	115	115	116	119	138
006597	Towerwood Mobile Home Park	0.075	0.078	0.089	0.079	0.081	622	629	627	631	650	127
006679	Keen Sales Rentals & Utilities	0.015	0.015	0.017	0.019	0.020	287	293	292	294	303	59
006893	Hidden Cove Ltd	0.021	0.022	0.025	0.022	0.023	218	221	220	222	228	102
007172	McLeod Gardens	0.024	0.025	0.028	0.025	0.026	223	226	225	229	236	112
007315	Camp Inn Resort	0.027	0.033	0.032	0.029	0.030	745	754	751	756	779	40
007333	Sunlake Terrace Estates	0.065	0.034	0.033	0.030	0.031	290	294	293	295	304	131
007557	Lakemont Ridge Home & RV Park	0.020	0.023	0.023	0.021	0.021	296	300	299	301	310	72
007610	Peace Creek RV Park, LLC	0.200	0.210	0.024	0.022	0.022	N/A	N/A	N/A	N/A	N/A	N/A
007653	Orange Hill-Sugar Creek Service Area	0.070	0.081	0.082	0.075	0.077	606	625	623	630	654	123
007703	Orange Acres Ranch	0.037	0.038	0.044	0.039	0.051	254	257	256	258	265	162
008285	Mouse Mountain Inc	0.020	0.018	0.021	0.019	0.019	338	341	340	343	353	57
008370	Doans Mobile Home Park	0.007	0.007	0.008	0.007	0.008	51	52	51	52	53	143
008399	Three Worlds Resort	0.022	0.027	0.026	0.024	0.025	223	225	225	226	233	110
008536	Woodland Lakes Creative	0.043	0.044	0.023	0.019	0.001	241	243	243	244	252	106
008684	Good Life Resort Inc	0.015	0.016	0.018	0.016	0.016	595	602	599	604	622	27
008753	Plantation Landings	0.040	0.056	0.061	0.060	0.064	703	711	709	713	735	79
009128	Pinecrest	0.044	0.052	0.014	0.013	0.013	306	310	309	311	322	87
009336	Gibsonia Estates	0.064	0.066	0.075	0.067	0.069	417	421	421	427	441	160
009341	Sunshine Foundation Dream Village	0.013	0.013	0.015	0.013	0.014	22	23	22	23	23	602
009557	Southern Pines RV & MHP Resort	0.046	0.055	0.053	0.000	0.000	322	325	324	327	336	94
009569	Keen Sales & Rentals Inc.	0.008	0.008	0.009	0.006	0.006	258	261	260	262	270	28
009807	Village of Highland Park	0.022	0.026	0.025	0.023	0.024	220	222	242	247	235	103

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Table A-6d. 2016-2020 water use, population served, and 5-year gross per capita averages for small public supply systems (permitted less than 0.10 mgd) in the CFWI Planning Area (continued).

CUP Number	Utility	Water Use					Population					2016-2020 Avg GPCD
		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
009835	Van Lakes HOA	0.028	0.029	0.033	0.029	0.030	177	179	178	179	185	166
012217	Winter Haven Mobile Home Park	0.000	0.002	0.002	0.000	0.000	N/A	N/A	N/A	N/A	N/A	N/A
012655	Florida Camp Inn	0.056	0.058	0.068	0.060	0.062	740	749	746	751	774	81
012899	Athena Cypress; LLC d/b/a Cypress Campground & RV	0.016	0.017	0.019	0.017	0.017	130	131	131	132	136	130
020598	Porridge Investments LLC	0.009	0.009	0.011	0.010	0.010	255	254	255	256	258	38
SWFWMD Polk Country Total		**1.427**	**1.546**	**1.366**	**1.233**	**1.250**	**12,229**	**12,382**	**12,364**	**12,463**	**12,822**	**110**
SJ_S-TCRV_FA33	Town and Country RV Resort	0.000	0.000	0.000	0.000	0.000	14	14	14	14	14	0
SJ_S-SHP_FA32	Spring Hammock MHP	0.005	0.005	0.005	0.005	0.005	168	169	169	169	168	30
8229	Lake Harney Water Assoc Inc.	0.035	0.001	0.033	0.033	0.033	520	523	533	535	531	51
8347	Utilities Inc. of Florida	0.052	0.002	0.077	0.077	0.077	676	680	686	688	686	83
8348	Utilities Inc. of Florida	0.043	0.001	0.048	0.048	0.048	572	575	578	581	576	65
8349	Utilities Inc. of Florida	0.011	0.000	0.010	0.010	0.010	109	110	110	110	109	75
8350, 8351	Utilities Inc. of Florida	0.015	0.015	0.015	0.015	0.015	677	681	684	689	682	22
8353	Utilities Inc. of Florida	0.016	0.001	0.018	0.018	0.018	269	271	272	272	270	52
8357	Aqua Utilities Florida Inc	0.009	0.001	0.001	0.001	0.001	137	138	138	138	137	19
8462	Seminole Woods Assoc	0.058	0.003	0.074	0.071	0.074	592	598	603	611	619	93
50932	Twelve Oaks - Thomas Vellanti	0.012	0.011	0.012	0.020	0.020	627	631	633	633	628	24
SJRWMD Seminole County Total		**0.256**	**0.040**	**0.293**	**0.298**	**0.301**	**4,361**	**4,390**	**4,420**	**4,440**	**4,420**	**54**
SFWMD Total		**0.545**	**0.545**	**0.545**	**0.545**	**0.545**	**2,645**	**2,645**	**2,645**	**2,645**	**2,645**	**206**
SJRWMD Total		**0.548**	**0.159**	**0.641**	**0.631**	**0.624**	**8,305**	**8,313**	**8,348**	**8,440**	**8,671**	**62**
SWFWMD Total		**1.427**	**1.546**	**1.366**	**1.233**	**1.250**	**12,229**	**12,382**	**12,364**	**12,463**	**12,822**	**110**
CFWI Total		**2.520**	**2.250**	**2.552**	**2.409**	**2.419**	**23,179**	**23,340**	**23,357**	**23,548**	**24,138**	**103**

Notes for **Table A-6d.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2016-2020 water use obtained from the Districts' metered data, published annual reports, and the Florida Department of Environmental Protection Monthly Operating Report (MOR) data.

4.) 2016-2020 population obtained from BEBR estimates of population produced for this 2025 CFWI RWSP. (BEBR 2022)

MHP==mobile home park.

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Table A-7-1a. Agricultural irrigation self-supply water use, miscellaneous agricultural water use, and acreage for 2020, 5-in-10 year water demand and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: 5-in-10 Demand values.

County/ District	Water Use			Demand Projections (5-in-10)															Percent Change (Demand) 2020 -2045
	2020			2025			2030			2035			2040			2045			
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	
Lake - CFWI SJRWMD	6.32	2.13	**8.45**	5.73	1.93	**7.66**	4.95	1.67	**6.62**	4.56	1.54	**6.10**	4.25	1.43	**5.68**	3.89	1.31	**5.20**	-38%
Lake - CFWI SWFWMD	0.55	0.00	**0.55**	0.56	0.00	**0.56**	0.57	0.00	**0.57**	0.58	0.00	**0.58**	0.47	0.00	**0.47**	0.41	0.00	**0.41**	-25%
Lake – CFWI Total	**6.87**	**2.13**	**9.00**	**6.29**	**1.93**	**8.22**	**5.52**	**1.67**	**7.19**	**5.14**	**1.54**	**6.68**	**4.72**	**1.43**	**6.15**	**4.30**	**1.31**	**5.61**	**-38%**
Orange - SFWMD	0.56	0.06	**0.62**	0.50	0.05	**0.55**	0.41	0.04	**0.45**	0.39	0.04	**0.43**	0.27	0.03	**0.30**	0.15	0.02	**0.17**	-73%
Orange - SJRWMD	3.99	1.63	**5.62**	3.62	1.48	**5.10**	3.22	1.31	**4.53**	2.85	1.17	**4.02**	2.55	1.04	**3.59**	2.32	0.95	**3.27**	-42%
Orange - Total	**4.55**	**1.69**	**6.24**	**4.12**	**1.53**	**5.65**	**3.63**	**1.35**	**4.98**	**3.24**	**1.21**	**4.45**	**2.82**	**1.07**	**3.89**	**2.47**	**0.97**	**3.44**	**-45%**
Osceola – SFWMD	16.83	3.29	**20.12**	16.95	3.31	**20.26**	17.06	3.34	**20.40**	17.09	3.34	**20.43**	17.08	3.34	**20.42**	17.08	3.34	**20.42**	1%
Osceola - SJRWMD	4.67	3.33	**9.42**	7.19	3.93	**11.12**	7.52	4.11	**11.63**	7.86	4.30	**12.16**	8.13	4.45	**12.58**	8.42	4.60	**13.02**	38%
Osceola - Total	**21.50**	**6.62**	**29.54**	**24.14**	**7.24**	**31.38**	**24.58**	**7.45**	**32.03**	**24.95**	**7.64**	**32.59**	**25.21**	**7.79**	**33.00**	**25.50**	**7.94**	**33.44**	**13%**
Polk - SFWMD	2.36	2.47	**4.83**	2.37	2.48	**4.85**	2.38	2.49	**4.87**	2.36	2.46	**4.82**	2.36	2.46	**4.82**	2.32	2.43	**4.75**	-2%
Polk - SWFWMD	62.09	2.53	**64.62**	62.83	2.56	**65.39**	64.58	2.63	**67.21**	63.90	2.60	**66.50**	63.09	2.57	**65.66**	62.30	2.54	**64.84**	0%
Polk - Total	**64.45**	**5.00**	**69.45**	**65.20**	**5.04**	**70.24**	**66.96**	**5.12**	**72.08**	**66.26**	**5.06**	**71.32**	**65.45**	**5.03**	**70.48**	**64.62**	**4.97**	**69.59**	**0%**
Seminole - SJRWMD	**2.01**	**0.67**	**2.68**	**1.93**	**0.65**	**2.58**	**1.81**	**0.61**	**2.42**	**1.69**	**0.56**	**2.25**	**1.58**	**0.53**	**2.11**	**1.39**	**0.46**	**1.85**	**-31%**
SFWMD Total	**19.75**	**5.82**	**25.57**	**19.82**	**5.84**	**25.66**	**19.85**	**5.87**	**25.72**	**19.84**	**5.84**	**25.68**	**19.71**	**5.83**	**25.54**	**19.55**	**5.79**	**25.34**	**-1%**
SJRWMD Total	**16.99**	**7.76**	**26.17**	**18.47**	**7.99**	**26.46**	**17.50**	**7.70**	**25.20**	**16.96**	**7.57**	**24.53**	**16.51**	**7.45**	**23.96**	**16.02**	**7.32**	**23.34**	**-11%**
SWFWMD Total	**62.64**	**2.53**	**65.17**	**63.39**	**2.56**	**65.95**	**65.15**	**2.63**	**67.78**	**64.48**	**2.60**	**67.08**	**63.56**	**2.57**	**66.13**	**62.71**	**2.54**	**65.25**	**0%**
CFWI Total	**99.38**	**16.11**	**116.91**	**101.68**	**16.39**	**118.07**	**102.50**	**16.20**	**118.70**	**101.28**	**16.01**	**117.29**	**99.78**	**15.85**	**115.63**	**98.28**	**15.65**	**113.93**	**-3%**

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Table A-7-1a. Agricultural irrigation self-supply water use, miscellaneous agricultural water use, and acreage for 2020, 5-in-10 year water demand and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: 5-in-10 Demand values (continued).

County/ District	Water Use			Demand Projections (5-in-10)															Percent Change (Demand) 2020-2045
	2020			2025			2030			2035			2040			2045			
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	
North Ranch Section Plan Updates																			
Osceola North Ranch Sector Plan Projections - SJRWMD	16.00	9.50	**25.50**	17.30	9.50	**26.80**	18.60	9.50	**28.10**	19.90	9.50	**29.40**	21.10	9.50	**30.60**	21.10	7.30	**28.40**	N/A
FSAID IX Projections - North Ranch Sector Plan Area - SJRWMD	7.45	0.26	**7.71**	9.09	0.32	**9.41**	9.57	0.34	**9.91**	10.06	0.35	**10.41**	10.44	0.37	**10.81**	10.93	0.38	**11.31**	N/A
Final Projections that include North Ranch Sector Plan Area																			
Updated Osceola – SJRWMD Total	**13.22**	**12.57**	**27.21**	**15.40**	**13.11**	**28.51**	**16.55**	**13.27**	**29.82**	**17.70**	**13.45**	**31.15**	**18.79**	**13.58**	**32.37**	**18.59**	**11.52**	**30.11**	**11%**
Updated Osceola - Total	**30.05**	**15.86**	**47.33**	**32.35**	**16.42**	**48.77**	**33.61**	**16.61**	**50.22**	**34.79**	**16.79**	**51.58**	**35.87**	**16.92**	**52.79**	**35.67**	**14.86**	**50.53**	**7%**
Updated SJRWMD Total	**25.54**	**17.00**	**43.96**	**26.68**	**17.17**	**43.85**	**26.53**	**16.86**	**43.39**	**26.80**	**16.72**	**43.52**	**27.17**	**16.58**	**43.75**	**26.19**	**14.24**	**40.43**	**-8%**
Updated CFWI Total	**107.93**	**25.35**	**134.70**	**109.89**	**25.57**	**135.46**	**111.53**	**25.36**	**136.89**	**111.12**	**25.16**	**136.28**	**110.44**	**24.98**	**135.42**	**108.45**	**22.57**	**131.02**	**-3%**

Notes for **Table A-7-1a.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2020 estimated irrigated acres and water use derived from FSAID IX AG layer, deliverable dated July 2022 from The Balmoral Group as Florida Department of Agriculture and Consumer Services representative. (FDACS 2022) 2020 water use for the SJRWMD portion of Osceola County was changed to reflect actual estimate of water use to account for FSAID IX under estimation.

4.) 2025-2045 acreage projections and 2025-2045 average and 1-in-10 water demand projections derived from FSAID IX AG layer, from The Balmoral Group as Florida Department of Agriculture and Consumer Services representative (FDACS 2022).

6.) FSAID IX Agricultural demands for SJRWMD portion of Osceola County updated to reflect requirements of approved North Ranch Sector Plan in Osceola County portion of SJRWMD.

7.) Water demand projections for the North Ranch Sector Plan are representative of 2-in-10 year demand conditions.

8.) FSAID IX Demand in SFWMD for expired permits was not incorporated into the ECFTX geodatabase.

GW==groundwater; SW==surface water.

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Table A-7-1b. Agricultural irrigation self-supply water use, miscellaneous agricultural water use, and acreage for 2020, 5-in-10 year water demand and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: Acreage values and 1-in-10 Demand values.

County/ District	Acreage	Acreage Projections					Percent Change (Acreage) 2020-2045	2045 Demand Projections (1-in-10)		
	2020	2025	2030	2035	2040	2045		GW	SW	Total
Lake (CFWI) -SJRWMD	6,089	5,370	4,641	4,324	4,084	3,704	-39%	5.20	1.75	**6.95**
Lake (CFWI) SWFWMD	541	541	541	541	409	367	-32%	0.55	0.00	**0.55**
Lake – CFWI Total	**6,630**	**5,911**	**5,182**	**4,865**	**4,493**	**4,071**	**-39%**	**5.75**	**1.75**	**7.50**
Orange -SFWMD	518	479	387	377	247	121	-77%	0.20	0.02	**0.22**
Orange - SJRWMD	2,965	2,613	2,313	1,870	1,614	1,297	-56%	2.73	1.12	**3.85**
Orange -Total	**3,483**	**3,092**	**2,700**	**2,247**	**1,861**	**1,418**	**-59%**	**2.93**	**1.14**	**4.07**
Osceola - SFWMD	21,303	21,303	21,303	21,303	21,303	21,303	0%	21.93	4.29	**26.22**
Osceola - SJRWMD	9,287	10,394	10,957	11,527	12,061	12,603	36%	11.77	6.43	**18.20**
Osceola Total	**30,590**	**31,697**	**32,260**	**32,830**	**33,364**	**33,906**	**11%**	**33.70**	**10.72**	**44.42**
Polk - SFWMD	3,935	3,935	3,935	3,864	3,864	3,844	-2%	2.89	3.02	**5.91**
Polk - SWFWMD	75,540	74,550	73,561	72,622	71,614	70,648	-6%	90.92	3.70	**94.62**
Polk - Total	**79,475**	**78,485**	**77,496**	**76,486**	**75,478**	**74,492**	**-6%**	**93.81**	**6.72**	**100.53**
Seminole - SJRWMD	**1,508**	**1,411**	**1,287**	**1,192**	**1,102**	**998**	**-34%**	**1.69**	**0.57**	**2.26**
SFWMD Total	**25,756**	**25,717**	**25,625**	**25,544**	**25,414**	**25,268**	**-2%**	**25.02**	**7.33**	**32.35**
SJRWMD Total	**19,849**	**19,788**	**19,198**	**18,913**	**18,861**	**18,602**	**-6%**	**21.39**	**9.87**	**31.26**
SWFWMD Total	**76,081**	**75,091**	**74,102**	**73,163**	**72,023**	**71,015**	**-7%**	**91.47**	**3.70**	**95.17**
CFWI Total	**121,686**	**120,596**	**118,925**	**117,620**	**116,298**	**114,885**	**-6%**	**137.88**	**20.90**	**158.78**

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Table A-7-1b. Agricultural irrigation self-supply water use, miscellaneous agricultural water use and acreage for 2020, 5-in-10 year water demand and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area: Acreage values and 1-in-10 Demand values (continued).

County/ District	Acreage	Acreage Projections					Percent Change (Demands) 2020-2045	2045 Demand Projections (1-in-10)		
	2020	2025	2030	2035	2040	2045		GW	SW	Total
North Ranch Sector Plan Updates										
Osceola North Ranch Sector Plan Projections - SJRWMD	N/A	9,626	10,101	10,575	11,049	11,524	N/A	21.10	7.30	**28.40**
FSAID IX Projections - North Ranch Sector Plan Area - SJRWMD	N/A	9,016	9,579	10,149	10,683	11,226	N/A	15.17	0.53	**15.70**
Final Projections that include North Ranch Sector Plan Area										
Updated Osceola – SJRWMD Total	**9,287**	**11,004**	**11,479**	**11,953**	**12,427**	**12,901**	**39%**	**17.70**	**13.20**	**30.90**
Updated Osceola - Total	**30,590**	**32,307**	**32,782**	**33,256**	**33,730**	**34,204**	**12%**	**39.63**	**17.49**	**57.12**
Updated SJRWMD Total	**19,849**	**20,398**	**19,720**	**19,339**	**19,227**	**18,900**	**-5%**	**27.32**	**16.64**	**43.96**
Updated CFWI Total	**121,686**	**121,206**	**119,447**	**118,046**	**116,664**	**115,183**	**-5%**	**143.81**	**27.67**	**171.48**

Notes for **Table A-7-1b.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2020 estimated irrigated acres and water use derived from FSAID IX AG layer, deliverable dated July 2022 from The Balmoral Group as Florida Department of Agriculture and Consumer Services representative (FDACS 2022). 2020 water use for the SJRWMD portion of Osceola County was changed to reflect actual estimate of water use to account for FSAID IX under estimation.

4.) 2025-2045 acreage projections and 2025-2045 average and 1-in-10 water demand projections derived from FSAID IX AG layer, from The Balmoral Group as Florida Department of Agriculture and Consumer Services representative (FDACS 2022).

5.) 2025-2045 groundwater / surface water split estimated using 2020 ratios.

6.) FSAID IX Agricultural demands for SJRWMD portion of Osceola County updated to reflect requirements of approved North Ranch Sector Plan in Osceola County portion of SJRWMD.

7.) Water demand projections for the North Ranch Sector Plan are representative of 2-in-10 year demand conditions.

8.) FSAID IX Demand in SFWMD for expired permits was not incorporated into the ECFTX geodatabase.

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Table A-7a. Agricultural irrigation self-supply water use (including miscellaneous water use) and acreage for 2020, 5-in-10 year water demand projections and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by crop category and county in the CFWI Planning Area.

County/ District	Crop Category	2020 Estimated Agriculture		2025 Projected Agriculture		2030 Projected Agriculture		2035 Projected Agriculture		2040 Projected Agriculture		2045 Projected Agriculture		Percent Change 2020-2045		2045 (1-in-10) Demand
		Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acreage	MGD	
Lake – (CFWI) SJRWMD	Citrus	3,739	3.02	3,233	2.70	2,905	2.52	2,779	2.41	2,711	2.35	2,450	2.13	-34%	-29%	3.36
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	287	0.57	197	0.40	197	0.40	165	0.34	142	0.30	142	0.30	-51%	-47%	0.43
	Greenhouse/Nursery	1,949	4.58	1,826	4.28	1,486	3.49	1,327	3.15	1,178	2.82	1,059	2.56	-46%	-44%	2.92
	Hay	51	0.06	51	0.06	38	0.05	38	0.04	38	0.04	38	0.04	-25%	-33%	0.07
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	63	0.08	63	0.08	15	0.02	15	0.02	15	0.03	15	0.03	-76%	-63%	0.03
	Miscellaneous	0	0.14	0	0.14	0	0.14	0	0.14	0	0.14	0	0.14	N/A	0%	0.14
	Total	**6,089**	**8.45**	**5,370**	**7.66**	**4,641**	**6.62**	**4,324**	**6.10**	**4,084**	**5.68**	**3,704**	**5.20**	**-39%**	**-38%**	**6.95**
Lake – (CFWI) SWFWMD	Citrus	379	0.30	379	0.31	379	0.32	379	0.32	247	0.21	247	0.21	-35%	-30%	0.31
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	50	0.08	50	0.08	50	0.08	50	0.09	50	0.09	50	0.09	0%	13%	0.11
	Greenhouse/Nursery	39	0.09	39	0.09	39	0.09	39	0.09	39	0.09	32	0.07	-18%	-22%	0.08
	Hay	73	0.08	73	0.08	73	0.08	73	0.08	73	0.08	38	0.04	-48%	-50%	0.05
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Miscellaneous	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Total	**541**	**0.55**	**541**	**0.56**	**541**	**0.57**	**541**	**0.58**	**409**	**0.47**	**367**	**0.41**	**-32%**	**-25%**	**0.55**
Lake – (CFWI) Total	Citrus	4,118	3.32	3,612	3.01	3,284	2.84	3,158	2.73	2,958	2.56	2,697	2.34	-35%	-30%	3.67
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	337	0.65	247	0.48	247	0.48	215	0.43	192	0.39	192	0.39	-43%	-40%	0.54
	Greenhouse/Nursery	1,988	4.67	1,865	4.37	1,525	3.58	1,366	3.24	1,217	2.91	1,091	2.63	-45%	-44%	3.00
	Hay	124	0.14	124	0.14	111	0.13	111	0.12	111	0.12	76	0.08	-39%	-43%	0.12
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	63	0.08	63	0.08	15	0.02	15	0.02	15	0.03	15	0.03	-76%	-63%	0.03
	Miscellaneous	0	0.14	0	0.14	0	0.14	0	0.14	0	0.14	0	0.14	N/A	0%	0.14
	Total	**6,630**	**9.00**	**5,911**	**8.22**	**5,182**	**7.19**	**4,865**	**6.68**	**4,493**	**6.15**	**4,071**	**5.61**	**-39%**	**-38%**	**7.50**

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Table A-7a. Agricultural irrigation self-supply water use (including miscellaneous water use) and acreage for 2020, 5-in-10 year water demand projections and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by crop category and county in the CFWI Planning Area (continued).

County/ District	Crop Category	2020 Estimated Agriculture		2025 Projected Agriculture		2030 Projected Agriculture		2035 Projected Agriculture		2040 Projected Agriculture		2045 Projected Agriculture		Percent Change 2020-2045		2045 (1-in-10) Demand
		Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acreage	MGD	
Orange SFWMD	Citrus	.	0.40	442	0.41	358	0.34	358	0.35	235	0.23	109	0.10	-75%	-75%	0.14
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	27	0.05	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	-100%	-100%	0.00
	Greenhouse/Nursery	49	0.15	37	0.12	29	0.09	19	0.06	12	0.05	12	0.05	-76%	-67%	0.06
	Hay	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Miscellaneous	0	0.02	0	0.02	0	0.02	0	0.02	0	0.02	0	0.02	N/A	0%	0.02
	Total	**518**	**0.62**	**479**	**0.55**	**387**	**0.45**	**377**	**0.43**	**247**	**0.30**	**121**	**0.17**	**-77%**	**-73%**	**0.22**
Orange SJRWMD	Citrus	795	0.62	674	0.55	624	0.57	311	0.29	266	0.25	159	0.15	-80%	-76%	0.24
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	331	0.63	258	0.48	227	0.41	145	0.26	106	0.19	106	0.19	-68%	-70%	0.27
	Greenhouse/Nursery	1,286	3.62	1,194	3.40	983	2.89	935	2.81	828	2.58	798	2.55	-38%	-30%	2.90
	Hay	66	0.08	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	-100%	-100%	0.00
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	323	0.26	323	0.26	323	0.26	323	0.26	323	0.26	234	0.19	N/A	N/A	0.25
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	164	0.22	164	0.22	156	0.21	156	0.21	91	0.12	0	0.00	-100%	-100%	0.00
	Miscellaneous	0	0.19	0	0.19	0	0.19	0	0.19	0	0.19	0	0.19	N/A	0%	0.19
	Total	**2,965**	**5.62**	**2,613**	**5.10**	**2,313**	**4.53**	**1,870**	**4.02**	**1,614**	**3.59**	**1,297**	**3.27**	**-56%**	**-42%**	**3.85**
Orange Total	Citrus	1,237	1.02	1,116	0.96	982	0.91	669	0.64	501	0.48	268	0.25	-78%	-75%	0.38
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	358	0.68	258	0.48	227	0.41	145	0.26	106	0.19	106	0.19	-70%	-72%	0.27
	Greenhouse/Nursery	1,335	3.77	1,231	3.52	1,012	2.98	954	2.87	840	2.63	810	2.60	-39%	-31%	2.96
	Hay	66	0.08	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	-100%	-100%	0.00
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	323	0.26	323	0.26	323	0.26	323	0.26	323	0.26	234	0.19	N/A	N/A	0.25
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	164	0.22	164	0.22	156	0.21	156	0.21	91	0.12	0	0.00	-100%	-100%	0.00
	Miscellaneous	0	0.21	0	0.21	0	0.21	0	0.21	0	0.21	0	0.21	N/A	0%	0.21
	Total	**3,483**	**6.24**	**3,092**	**5.65**	**2,700**	**4.98**	**2,247**	**4.45**	**1,861**	**3.89**	**1,418**	**3.44**	**-59%**	**-45%**	**4.07**

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Table A-7a. Agricultural irrigation self-supply water use (including miscellaneous water use) and acreage for 2020, 5-in-10 year water demand projections and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by crop category and county in the CFWI Planning Area (continued).

County/ District	Crop Category	2020 Estimated Agriculture		2025 Projected Agriculture		2030 Projected Agriculture		2035 Projected Agriculture		2040 Projected Agriculture		2045 Projected Agriculture		Percent Change 2020-2045		2045 (1-in-10) Demand
		Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acreage	MGD	
Osceola SFWMD	Citrus	7,745	6.93	7,745	7.05	7,745	7.19	7,745	7.20	7,745	7.20	7,745	7.20	0%	4%	10.30
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	125	0.27	125	0.27	125	0.27	125	0.28	125	0.28	125	0.28	0%	4%	0.32
	Greenhouse/Nursery	83	0.23	83	0.23	83	0.23	83	0.23	83	0.23	83	0.23	0%	0%	0.25
	Hay	2,948	1.74	2,948	1.74	2,948	1.73	2,948	1.73	2,948	1.72	2,948	1.71	0%	-2%	2.33
	Potatoes	2,726	3.05	2,726	3.05	2,726	3.06	2,726	3.06	2,726	3.06	2,726	3.06	0%	0%	3.77
	Sod	6,939	6.00	6,939	6.02	6,939	6.02	6,939	6.03	6,939	6.03	6,939	6.03	0%	1%	7.12
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	737	0.98	737	0.98	737	0.98	737	0.98	737	0.98	737	0.99	0%	1%	1.21
	Miscellaneous	0	0.92	0	0.92	0	0.92	0	0.92	0	0.92	0	0.92	N/A	0%	0.92
	Total	**21,303**	**20.12**	**21,303**	**20.26**	**21,303**	**20.40**	**21,303**	**20.43**	**21,303**	**20.42**	**21,303**	**20.42**	**0%**	**1%**	**26.22**
Osceola SJRWMD	Citrus	1,114	0.95	1,114	0.96	1,114	0.97	1,114	0.97	1,114	0.97	1,114	0.97	0%	2%	1.53
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	64	0.12	64	0.12	64	0.12	64	0.12	64	0.12	64	0.12	0%	0%	0.17
	Greenhouse/Nursery	35	0.08	541	1.22	541	1.22	541	1.22	541	1.22	541	1.22	1446%	1425%	1.39
	Hay	3,803	2.77	3,803	2.77	4,066	2.99	4,336	3.25	4,570	3.40	4,812	3.56	27%	29%	5.84
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	1,017	0.92	1,618	1.46	1,918	1.73	2,218	2.00	2,518	2.26	2,818	2.53	177%	175%	3.31
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	3,254	3.93	3,254	3.94	3,254	3.95	3,254	3.95	3,254	3.96	3,254	3.97	N/A	N/A	5.31
	Miscellaneous	0	0.65	0	0.65	0	0.65	0	0.65	0	0.65	0	0.65	N/A	0%	0.65
	Total	**9,287**	**9.42**	**10,394**	**11.12**	**10,957**	**11.63**	**11,527**	**12.16**	**12,061**	**12.58**	**12,603**	**13.02**	**36%**	**38%**	**18.20**
Osceola Total	Citrus	8,859	7.88	8,859	8.01	8,859	8.16	8,859	8.17	8,859	8.17	8,859	8.17	0%	4%	11.82
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	189	0.39	189	0.39	189	0.39	189	0.40	189	0.40	189	0.40	0%	3%	0.50
	Greenhouse/Nursery	118	0.31	624	1.45	624	1.45	624	1.45	624	1.45	624	1.45	429%	368%	1.64
	Hay	6,751	4.51	6,751	4.51	7,014	4.72	7,284	4.98	7,518	5.12	7,760	5.27	15%	17%	8.17
	Potatoes	2,726	3.05	2,726	3.05	2,726	3.06	2,726	3.06	2,726	3.06	2,726	3.06	0%	0%	3.77
	Sod	7,956	6.92	8,557	7.48	8,857	7.75	9,157	8.03	9,457	8.29	9,757	8.56	23%	24%	10.43
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	3,991	4.91	3,991	4.92	3,991	4.93	3,991	4.93	3,991	4.94	3,991	4.96	0%	1%	6.53
	Miscellaneous	0	1.57	0	1.57	0	1.57	0	1.57	0	1.57	0	1.57	N/A	0%	1.57
	Total	**30,590**	**29.54**	**31,697**	**31.38**	**32,260**	**32.03**	**32,830**	**32.59**	**33,364**	**33.00**	**33,906**	**33.44**	**11%**	**13%**	**44.42**

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Table A-7a. Agricultural irrigation self-supply water use (including miscellaneous water use) and acreage for 2020, 5-in-10 year water demand projections and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by crop category and county in the CFWI Planning Area (continued).

County/ District	Crop Category	2020 Estimated Agriculture		2025 Projected Agriculture		2030 Projected Agriculture		2035 Projected Agriculture		2040 Projected Agriculture		2045 Projected Agriculture		Percent Change 2020-2045		2045 (1-in-10) Demand
		Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acreage	MGD	
Polk SFWMD	Citrus	1,711	1.49	1,711	1.51	1,711	1.53	1,640	1.48	1,640	1.48	1,640	1.48	-4%	-1%	2.11
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	14	0.04	14	0.04	14	0.04	14	0.04	14	0.04	14	0.04	0%	0%	0.05
	Greenhouse/Nursery	147	0.38	147	0.38	147	0.38	147	0.38	147	0.38	127	0.32	-14%	-16%	0.36
	Hay	301	0.24	301	0.24	301	0.24	301	0.24	301	0.24	301	0.23	0%	-4%	0.32
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	1,038	1.00	1,038	1.00	1,038	1.00	1,038	1.00	1,038	1.00	1,038	1.00	0%	0%	1.18
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	724	0.90	724	0.90	724	0.90	724	0.90	724	0.90	724	0.90	0%	0%	1.11
	Miscellaneous	0	0.78	0	0.78	0	0.78	0	0.78	0	0.78	0	0.78	N/A	0%	0.78
	Total	**3,935**	**4.83**	**3,935**	**4.85**	**3,935**	**4.87**	**3,864**	**4.82**	**3,864**	**4.82**	**3,844**	**4.75**	**-2%**	**-2%**	**5.91**
Polk SWFWMD	Citrus	69,819	54.44	69,227	56.02	68,311	57.84	67,419	57.21	66,455	56.45	65,519	55.67	-6%	2%	83.50
	Field Crops	22	0.01	22	0.01	22	0.01	22	0.01	22	0.01	22	0.01	0%	0%	0.02
	Fruit (Non-citrus)	2,492	5.12	2,191	4.42	2,185	4.47	2,138	4.40	2,106	4.37	2,085	4.35	-16%	-15%	5.65
	Greenhouse/Nursery	838	1.85	827	1.83	808	1.79	808	1.80	796	1.76	787	1.75	-6%	-5%	1.92
	Hay	577	0.61	524	0.55	524	0.55	524	0.54	524	0.53	524	0.51	-9%	-16%	0.70
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	1,567	1.28	1,567	1.28	1,519	1.26	1,519	1.26	1,519	1.26	1,519	1.26	-3%	-2%	1.48
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	225	0.26	192	0.23	192	0.24	192	0.23	192	0.23	192	0.24	-15%	-8%	0.30
	Miscellaneous	0	1.05	0	1.05	0	1.05	0	1.05	0	1.05	0	1.05	N/A	0%	1.05
	Total	**75,540**	**64.62**	**74,550**	**65.39**	**73,561**	**67.21**	**72,622**	**66.50**	**71,614**	**65.66**	**70,648**	**64.84**	**-6%**	**0%**	**94.62**
Polk Total	Citrus	71,530	55.93	70,938	57.53	70,022	59.37	69,059	58.69	68,095	57.93	67,159	57.15	-6%	2%	85.61
	Field Crops	22	0.01	22	0.01	22	0.01	22	0.01	22	0.01	22	0.01	0%	0%	0.02
	Fruit (non-citrus)	2,506	5.16	2,205	4.46	2,199	4.51	2,152	4.44	2,120	4.41	2,099	4.39	-16%	-15%	5.70
	Greenhouse/Nursery	985	2.23	974	2.21	955	2.17	955	2.18	943	2.14	914	2.07	-7%	-7%	2.28
	Hay	878	0.85	825	0.79	825	0.79	825	0.78	825	0.77	825	0.74	-6%	-13%	1.02
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	2,605	2.28	2,605	2.28	2,557	2.26	2,557	2.26	2,557	2.26	2,557	2.26	-2%	-1%	2.66
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	949	1.16	916	1.13	916	1.14	916	1.13	916	1.13	916	1.14	-3%	-2%	1.41
	Miscellaneous	0	1.83	0	1.83	0	1.83	0	1.83	0	1.83	0	1.83	N/A	0%	1.83
	Total	**79,475**	**69.45**	**78,485**	**70.24**	**77,496**	**72.08**	**76,486**	**71.32**	**75,478**	**70.48**	**74,492**	**69.59**	**-6%**	**0%**	**100.53**

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Table A-7a. Agricultural irrigation self-supply water use (including miscellaneous water use) and acreage for 2020, 5-in-10 year water demand projections and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by crop category and county in the CFWI Planning Area (continued).

County/ District	Crop Category	2020 Estimated Agriculture		2025 Projected Agriculture		2030 Projected Agriculture		2035 Projected Agriculture		2040 Projected Agriculture		2045 Projected Agriculture		Percent Change 2020-2045		2045 (1-in-10) Demand
		Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acreage	MGD	
Seminole SJRWMD Total	Citrus	429	0.33	378	0.32	355	0.32	320	0.29	283	0.26	283	0.26	-34%	-21%	0.41
	Field Crops	14	0.01	14	0.01	0	0.00	0	0.00	0	0.00	0	0.00	-100%	-100%	0.00
	Fruit non-citrus)	11	0.04	11	0.04	11	0.04	11	0.04	0	0.00	0	0.00	-100%	-100%	0.00
	Greenhouse/Nursery	798	1.99	770	1.93	722	1.82	662	1.68	627	1.60	523	1.34	-34%	-33%	1.53
	Hay	19	0.01	19	0.01	19	0.01	19	0.01	19	0.03	19	0.03	0%	N/A	0.05
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	212	0.20	212	0.20	173	0.16	173	0.16	173	0.16	173	0.16	-18%	-20%	0.21
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	25	0.04	7	0.01	7	0.01	7	0.01	0	0.00	0	0.00	-100%	-100%	0.00
	Miscellaneous	0	0.06	0	0.06	0	0.06	0	0.06	0	0.06	0	0.06	N/A	0%	0.06
	Total	**1,508**	**2.68**	**1,411**	**2.58**	**1,287**	**2.42**	**1,192**	**2.25**	**1,102**	**2.11**	**998**	**1.85**	**-34%**	**-31%**	**2.26**
SFWMD Total	Citrus	9,898	8.82	9,898	8.97	9,814	9.06	9,743	9.03	9,620	8.91	9,494	8.78	-4%	0%	12.55
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (non-citrus)	166	0.36	139	0.31	139	0.31	139	0.32	139	0.32	139	0.32	-16%	-11%	0.37
	Greenhouse/Nursery	279	0.76	267	0.73	259	0.70	249	0.67	242	0.66	222	0.60	-20%	-21%	0.67
	Hay	3,249	1.98	3,249	1.98	3,249	1.97	3,249	1.97	3,249	1.96	3,249	1.94	0%	-2%	2.65
	Potatoes	2,726	3.05	2,726	3.05	2,726	3.06	2,726	3.06	2,726	3.06	2,726	3.06	0%	0%	3.77
	Sod	7,977	7.00	7,977	7.02	7,977	7.02	7,977	7.03	7,977	7.03	7,977	7.03	0%	0%	8.30
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	1,461	1.88	1,461	1.88	1,461	1.88	1,461	1.88	1,461	1.88	1,461	1.89	0%	1%	2.32
	Miscellaneous	0	1.72	0	1.72	0	1.72	0	1.72	0	1.72	0	1.72	N/A	0%	1.72
	Total	**25,756**	**25.57**	**25,717**	**25.66**	**25,625**	**25.72**	**25,544**	**25.68**	**25,414**	**25.54**	**25,268**	**25.34**	**-2%**	**-1%**	**32.35**
SJRWMD Total	Citrus	6,077	4.92	5,399	4.53	4,998	4.38	4,524	3.96	4,374	3.83	4,006	3.51	-34%	-29%	5.54
	Field Crops	14	0.01	14	0.01	0	0.00	0	0.00	0	0.00	0	0.00	-100%	-100%	0.00
	Fruit (non-citrus)	693	1.36	530	1.04	499	0.97	385	0.76	312	0.61	312	0.61	-55%	-55%	0.87
	Greenhouse/Nursery	4,068	10.27	4,331	10.83	3,732	9.42	3,465	8.86	3,174	8.22	2,921	7.67	-28%	-25%	8.74
	Hay	3,939	2.92	3,873	2.84	4,123	3.05	4,393	3.30	4,627	3.47	4,869	3.63	24%	24%	5.96
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	1,552	1.38	2,153	1.92	2,414	2.15	2,714	2.42	3,014	2.68	3,225	2.88	108%	109%	3.77
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	3,506	4.27	3,488	4.25	3,432	4.19	3,432	4.19	3,360	4.11	3,269	4.00	-7%	-6%	5.34
	Miscellaneous	0	1.04	0	1.04	0	1.04	0	1.04	0	1.04	0	1.04	N/A	0%	1.04
	Total	**19,849**	**26.17**	**19,788**	**26.46**	**19,198**	**25.20**	**18,913**	**24.53**	**18,861**	**23.96**	**18,602**	**23.34**	**-6%**	**-11%**	**31.26**

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Table A-7a. Agricultural irrigation self-supply water use (including miscellaneous water use) and acreage for 2020, 5-in-10 year water demand projections and acreage projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by crop category and county in the CFWI Planning Area (continued).

District	Crop Category	2020 Estimated Agriculture		2025 Projected Agriculture		2030 Projected Agriculture		2035 Projected Agriculture		2040 Projected Agriculture		2045 Projected Agriculture		Percent Change 2020-2045		2045 (1-in-10) Demand
		Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acreage	MGD	
SWFWMD Total	Citrus	70,198	54.74	69,606	56.33	68,690	58.16	67,798	57.53	66,702	56.66	65,766	55.88	-6%	2%	83.81
	Field Crops	22	0.01	22	0.01	22	0.01	22	0.01	22	0.01	22	0.01	0%	0%	0.02
	Fruit (non-citrus)	2,542	5.20	2,241	4.50	2,235	4.55	2,188	4.49	2,156	4.46	2,135	4.44	-16%	-15%	5.76
	Greenhouse/Nursery	877	1.94	866	1.92	847	1.88	847	1.89	835	1.85	819	1.82	-7%	-6%	2.00
	Hay	650	0.69	597	0.63	597	0.63	597	0.62	597	0.61	562	0.55	-14%	-20%	0.75
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	1,567	1.28	1,567	1.28	1,519	1.26	1,519	1.26	1,519	1.26	1,519	1.26	-3%	-2%	1.48
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	225	0.26	192	0.23	192	0.24	192	0.23	192	0.23	192	0.24	-15%	-8%	0.30
	Miscellaneous	0	1.05	0	1.05	0	1.05	0	1.05	0	1.05	0	1.05	N/A	0%	1.05
	Total	**76,081**	**65.17**	**75,091**	**65.95**	**74,102**	**67.78**	**73,163**	**67.08**	**72,023**	**66.13**	**71,015**	**65.25**	**-7%**	**0%**	**95.17**
CFWI Total	Citrus	86,173	68.48	84,903	69.83	83,502	71.60	82,065	70.52	80,696	69.40	79,266	68.17	-8%	0%	101.90
	Field Crops	36	0.02	36	0.02	22	0.01	22	0.01	22	0.01	22	0.01	-39%	-50%	0.02
	Fruit (non-citrus)	3,401	6.92	2,910	5.85	2,873	5.83	2,712	5.57	2,607	5.39	2,586	5.37	-24%	-22%	7.00
	Greenhouse/Nursery	5,224	12.97	5,464	13.48	4,838	12.00	4,561	11.42	4,251	10.73	3,962	10.09	-24%	-22%	11.41
	Hay	7,838	5.59	7,719	5.45	7,969	5.65	8,239	5.89	8,473	6.04	8,680	6.12	11%	9%	9.36
	Potatoes	2,726	3.05	2,726	3.05	2,726	3.06	2,726	3.06	2,726	3.06	2,726	3.06	0%	0%	3.77
	Sod	11,096	9.66	11,697	10.22	11,910	10.43	12,210	10.71	12,510	10.97	12,721	11.17	15%	16%	13.55
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	5,192	6.41	5,141	6.36	5,085	6.31	5,085	6.30	5,013	6.22	4,922	6.13	-5%	-4%	7.96
	Miscellaneous	0	3.81	0	3.81	0	3.81	0	3.81	0	3.81	0	3.81	N/A	0%	3.81
	Total	**121,686**	**116.91**	**120,596**	**118.07**	**118,925**	**118.70**	**117,620**	**117.29**	**116,298**	**115.63**	**114,885**	**113.93**	**-6%**	**-3%**	**158.78**

Notes for **Table A-7a.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2020 estimated irrigated acres and water use derived from FSAID IX AG layer (including metered water use data where available), deliverable dated July 2022 from The Balmoral Group as Florida Department of Agriculture and Consumer Services representative. (FDACS 2022) 2020 values will not match the Districts' published reports.

4.) 2025-2045 acreage projections and 2025-2045 average and 1-in-10 water demand projections derived from FSAID IX AG layer, from The Balmoral Group as Florida Department of Agriculture and Consumer Services representative (FDACS 2022).

5.) 2020 estimated acreage and 2025-2045 acreage projections only account for Irrigated Cropland Acreage from FSAID IX AG Layer.

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Table A-7b. Miscellaneous agricultural self-supply water use for 2020 and 5-in-10 year water demand projections for 2025-2045by county in the CFWI Planning Area.

County/ District	2020 Water Use				2025 – 2045 Water Demand Projections			
	Dairy	Livestock	Aquaculture	Total	Dairy	Livestock	Aquaculture	Total
Lake - CFWI SJRWMD	0.00	0.14	0.00	0.14	0.00	0.14	0.00	0.14
Lake - CFWI SWFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lake – CFWI Total	**0.00**	**0.14**	**0.00**	**0.14**	**0.00**	**0.14**	**0.00**	**0.14**
Orange – SFWMD	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02
Orange – SJRWMD	0.00	0.17	0.02	0.19	0.00	0.17	0.02	0.19
Orange – Total	**0.00**	**0.19**	**0.02**	**0.21**	**0.00**	**0.19**	**0.02**	**0.21**
Osceola – SFWMD	0.00	0.73	0.19	0.92	0.00	0.73	0.19	0.92
Osceola – SJRWMD	0.00	0.55	0.10	0.65	0.00	0.55	0.10	0.65
Osceola – Total	**0.00**	**1.28**	**0.29**	**1.57**	**0.00**	**1.28**	**0.29**	**1.57**
Polk – SWFMD	0.00	0.61	0.17	0.78	0.00	0.61	0.17	0.78
Polk – SWFWMD	0.00	0.45	0.60	1.05	0.00	0.45	0.60	1.05
Polk – Total	**0.00**	**1.06**	**0.77**	**1.83**	**0.00**	**1.06**	**0.77**	**1.83**
Seminole – SJRWMD	**0.00**	**0.06**	**0.00**	**0.06**	**0.00**	**0.06**	**0.00**	**0.06**
SFWMD Total	**0.00**	**1.36**	**0.36**	**1.72**	**0.00**	**1.36**	**0.36**	**1.72**
SJRWMD Total	**0.00**	**0.92**	**0.12**	**1.04**	**0.00**	**0.92**	**0.12**	**1.04**
SWFWMD Total	**0.00**	**0.45**	**0.60**	**1.05**	**0.00**	**0.45**	**0.60**	**1.05**
CFWI Total	**0.00**	**2.73**	**1.08**	**3.81**	**0.00**	**2.73**	**1.08**	**3.81**

Notes for **Table A-7b.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2020 estimated irrigated acres and water use derived from FSAID IX AG layer (including metered water use data where available), deliverable dated July 2022 from The Balmoral Group as Florida Department of Agriculture and Consumer Services representative (FDACS 2022). 2020 values will not match the District's published reports.

4.) 2025-2045 projected water demand derived from FSAID IX AG layer, from The Balmoral Group as Florida Department of Agriculture and Consumer Services representative (FDACS 2022).

5.) FSAID IX AG layer, from The Balmoral Group as Florida Department of Agriculture and Consumer Services representative assumes no increase for 1-in-10 year drought conditions.

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Table A-8. Landscape/recreational self-supply water use for 2020, 5-in-10 year water demand projections for 2025-2045, and 1-in 10 year water demand projections for 2045 by county in the CFWI Planning Area.

County/ District	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045				2045		
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total		GW	SW	Total
Lake (CFWI) SJRWMD	2.36	4.25	6.61	2.42	4.37	6.79	2.47	4.46	6.93	2.51	4.52	7.03	2.54	4.57	7.11	2.56	4.61	7.17	8%	3.05	5.48	8.53
Lake (CFWI) SWFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	0.00
Lake – CFWI Total	**2.36**	**4.25**	**6.61**	**2.42**	**4.37**	**6.79**	**2.47**	**4.46**	**6.93**	**2.51**	**4.52**	**7.03**	**2.54**	**4.57**	**7.11**	**2.56**	**4.61**	**7.17**	**8%**	**3.05**	**5.48**	**8.53**
Orange - SFWMD	7.07	1.09	8.16	7.77	1.20	8.97	8.24	1.27	9.51	8.60	1.33	9.93	8.96	1.38	10.34	9.30	1.43	10.73	31%	10.69	1.65	12.34
Orange - SJRWMD	1.00	0.30	1.30	1.00	0.30	1.30	1.00	0.30	1.30	1.00	0.30	1.30	1.00	0.30	1.30	1.00	0.30	1.30	0%	1.62	0.49	2.11
Orange - Total	**8.07**	**1.39**	**9.46**	**8.77**	**1.50**	**10.27**	**9.24**	**1.57**	**10.81**	**9.60**	**1.63**	**11.23**	**9.96**	**1.68**	**11.64**	**10.30**	**1.73**	**12.03**	**27%**	**12.31**	**2.14**	**14.45**
Osceola - SFWMD	2.93	0.84	3.77	3.56	1.02	4.58	4.08	1.17	5.25	4.49	1.29	5.78	4.85	1.39	6.24	5.18	1.48	6.66	77%	5.95	1.71	**7.66**
Osceola - SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	**0.00**
Osceola - Total	**2.93**	**0.84**	**3.77**	**3.56**	**1.02**	**4.58**	**4.08**	**1.17**	**5.25**	**4.49**	**1.29**	**5.78**	**4.85**	**1.39**	**6.24**	**5.18**	**1.48**	**6.66**	**77%**	**5.95**	**1.71**	**7.66**
Polk - SFWMD	0.79	0.00	0.79	0.90	0.00	0.90	0.98	0.00	0.98	1.04	0.00	1.04	1.09	0.00	1.09	1.13	0.00	1.13	43%	1.36	0.00	**1.36**
Polk - SWFWMD	7.14	0.50	7.64	7.65	0.54	8.19	8.05	0.57	8.62	8.38	0.59	8.97	8.66	0.61	9.27	8.90	0.63	9.53	25%	10.60	0.74	**11.34**
Polk Total	**7.93**	**0.50**	**8.43**	**8.55**	**0.54**	**9.09**	**9.03**	**0.57**	**9.60**	**9.42**	**0.59**	**10.01**	**9.75**	**0.61**	**10.36**	**10.03**	**0.63**	**10.66**	**26%**	**11.96**	**0.74**	**12.70**
Seminole - SJRWMD	**0.57**	**1.39**	**2.00**	**0.63**	**1.43**	**2.06**	**0.64**	**1.46**	**2.10**	**0.65**	**1.49**	**2.14**	**0.66**	**1.51**	**2.17**	**0.67**	**1.53**	**2.20**	**10%**	**0.86**	**1.96**	**2.82**
SFWMD Total	**10.79**	**1.93**	**12.72**	**12.23**	**2.22**	**14.45**	**13.30**	**2.44**	**15.74**	**14.13**	**2.62**	**16.75**	**14.90**	**2.77**	**17.67**	**15.61**	**2.91**	**18.52**	**46%**	**18.00**	**3.36**	**21.36**
SJRWMD Total	**3.93**	**5.94**	**9.91**	**4.05**	**6.10**	**10.15**	**4.11**	**6.22**	**10.33**	**4.16**	**6.31**	**10.47**	**4.20**	**6.38**	**10.58**	**4.23**	**6.44**	**10.67**	**8%**	**5.53**	**7.93**	**13.46**
SWFWMD Total	**7.14**	**0.50**	**7.64**	**7.65**	**0.54**	**8.19**	**8.05**	**0.57**	**8.62**	**8.38**	**0.59**	**8.97**	**8.66**	**0.61**	**9.27**	**8.90**	**0.63**	**9.53**	**25%**	**10.60**	**0.74**	**11.34**
CFWI Total	**21.86**	**8.37**	**30.27**	**23.93**	**8.86**	**32.79**	**25.46**	**9.23**	**34.69**	**26.67**	**9.52**	**36.19**	**27.76**	**9.76**	**37.52**	**28.74**	**9.98**	**38.72**	**28%**	**34.13**	**12.03**	**46.16**

Notes for **Table A-8.**

1.) All water use and water demand projections shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2020 water use obtained from Districts' metered data and published annual reports.

4.) 2025-2045 projected surface water demand was interpolated based on 2020 percentages.

5.) 2045 1-in-10 rainfall year demands estimated using percent above average from highest water year from 2016-2020.

CFWI==Central Florida Water Initiative; GW==groundwater; SW==surface water.

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Table A-8a-1a. 2016-2020 water use, total county population, and 5-year gross per capita averages for landscape/recreational self-supply and landscape/recreational water demand increases by county in the CFWI Planning Area: Historic values.

County/ District	County LR Water Use within CFWI					2016-2020 Average	High Year	% Above Average	County Population within CFWI					2016-2020 Average GPCD
	2016	2017	2018	2019	2020				2016	2017	2018	2019	2020	
Lake - CFWI SJRWMD	5.631	5.003	4.386	6.769	6.610	5.68	6.77	19%	123,408	127,275	133,087	140,076	150,842	6
Lake - CFWI SWFWMD	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0%	1,000	990	995	1,037	1,141	0
Lake - CFWI Total	**5.631**	**5.003**	**4.386**	**6.769**	**6.610**	**5.68**	**6.77**	**19%**	**124,408**	**128,265**	**134,082**	**141,113**	**151,983**	**N/A**
Orange-SFWMD	8.006	8.598	9.734	10.356	8.163	8.97	10.36	15%	379,072	396,762	414,922	433,893	455,526	11
Orange-SJRWMD	3.580	2.420	2.310	1.450	1.300	2.21	3.58	62%	901,315	917,118	934,675	952,187	974,382	0
Orange – Total	**11.586**	**11.018**	**12.044**	**11.806**	**9.463**	**11.18**	**12.04**	**8%**	**1,280,387**	**1,313,880**	**1,349,597**	**1,386,080**	**1,429,908**	**N/A**
Osceola - SFWMD	5.718	5.075	5.413	4.857	3.772	4.97	5.72	15%	321,669	336,393	351,242	369,267	387,395	11
Osceola - SJRWMD	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0%	1,193	1,221	1,254	1,284	1,261	0
Osceola - Total	**5.718**	**5.075**	**5.413**	**4.857**	**3.772**	**4.97**	**5.72**	**15%**	**322,862**	**337,614**	**352,496**	**370,551**	**388,656**	**N/A**
Polk -SFWMD	1.136	1.217	0.948	1.003	0.790	1.02	1.22	20%	38,738	39,890	40,665	42,016	45,383	14
Polk - SWFWMD	7.893	9.079	9.500	10.625	7.636	8.95	10.63	19%	608,251	621,755	632,363	648,590	679,663	7
Polk - Total	**9.029**	**10.296**	**10.448**	**11.628**	**8.426**	**9.97**	**10.30**	**3%**	**646,989**	**661,645**	**673,028**	**690,606**	**725,046**	**N/A**
Seminole - SJRWMD	**2.050**	**1.660**	**1.580**	**2.500**	**2.000**	**1.96**	**2.50**	**28%**	**449,124**	**454,757**	**463,560**	**471,735**	**470,856**	**2**
SFWMD Total	**14.860**	**14.890**	**16.095**	**16.216**	**12.725**	**14.96**	**16.22**	**8%**	**739,479**	**773,045**	**806,829**	**845,176**	**888,304**	**N/A**
SJRWMD Total	**11.261**	**9.083**	**8.276**	**10.719**	**9.910**	**9.85**	**11.26**	**14%**	**1,475,040**	**1,500,371**	**1,532,576**	**1,565,282**	**1,597,341**	**N/A**
SWFWMD Total	**7.893**	**9.079**	**9.500**	**10.625**	**7.636**	**8.95**	**10.63**	**19%**	**609,251**	**622,745**	**633,358**	**649,627**	**680,804**	**N/A**
CFWI Total	**34.014**	**33.052**	**33.871**	**37.560**	**30.271**	**33.75**	**37.56**	**11%**	**2,823,770**	**2,896,161**	**2,972,763**	**3,060,085**	**3,166,449**	**N/A**

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Table A-8a-1b. 2016-2020 water use, total county population, and 5-year gross per capita averages for landscape/recreational and landscape/ recreational water demand increases by county in the CFWI Planning Area: Projected values.

County/ District	County Population Projections within CFWI					Increase in County Population within CFWI					Change in LR Self-supply Water Demand				
	2025	2030	2035	2040	2045	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2025	2030	2035	2040	2045
Lake - CFWI SJRWMD	181,036	203,581	220,370	233,066	243,083	30,194	22,545	16,789	12,696	10,017	0.181	0.135	0.101	0.076	0.060
Lake - CFWI SWFWMD	1,732	2,351	2,904	3,391	3,813	591	619	553	487	422	0.000	0.000	0.000	0.000	0.000
Lake - CFWI Total	**182,768**	**205,932**	**223,274**	**236,457**	**246,896**	**30,785**	**23,164**	**17,342**	**13,183**	**10,439**	**0.181**	**0.135**	**0.101**	**0.076**	**0.060**
Orange-SFWMD	529,105	578,096	616,527	654,188	689,754	73,579	48,991	38,431	37,661	35,566	0.809	0.539	0.423	0.414	0.391
Orange-SJRWMD	1,048,595	1,126,604	1,190,473	1,239,212	1,279,246	74,213	78,009	63,869	48,739	40,034	0.000	0.000	0.000	0.000	0.000
Orange – Total	**1,577,700**	**1,704,700**	**1,807,000**	**1,893,400**	**1,969,000**	**147,792**	**127,000**	**102,300**	**86,400**	**75,600**	**0.809**	**0.539**	**0.423**	**0.414**	**0.391**
Osceola - SFWMD	460,888	521,642	570,027	612,238	650,277	73,493	60,754	48,385	42,211	38,039	0.808	0.668	0.532	0.464	0.418
Osceola - SJRWMD	2,613	3,857	4,974	5,962	23,524	1,352	1,244	1,117	988	17,562	0.000	0.000	0.000	0.000	0.000
Osceola - Total	**463,501**	**525,499**	**575,001**	**618,200**	**673,801**	**74,845**	**61,998**	**49,502**	**43,199**	**55,601**	**0.808**	**0.668**	**0.532**	**0.464**	**0.418**
Polk -SFWMD	53,334	58,906	63,271	66,575	69,622	7,951	5,572	4,365	3,304	3,047	0.111	0.078	0.061	0.046	0.043
Polk - SWFWMD	757,566	818,894	869,429	912,625	949,878	77,903	61,328	50,535	43,196	37,253	0.545	0.429	0.354	0.302	0.261
Polk - Total	**810,900**	**877,800**	**932,700**	**979,200**	**1,019,500**	**85,854**	**66,900**	**54,900**	**46,500**	**40,300**	**0.656**	**0.507**	**0.415**	**0.348**	**0.304**
Seminole - SJRWMD	**499,100**	**520,900**	**539,000**	**554,400**	**567,300**	**28,244**	**21,800**	**18,100**	**15,400**	**12,900**	**0.056**	**0.044**	**0.036**	**0.031**	**0.026**
SFWMD Total	**1,043,327**	**1,158,644**	**1,249,825**	**1,333,001**	**1,409,653**	**155,023**	**115,317**	**91,181**	**83,176**	**76,652**	**1.728**	**1.285**	**1.016**	**0.924**	**0.852**
SJRWMD Total	**1,731,344**	**1,854,942**	**1,954,817**	**2,032,640**	**2,113,153**	**134,003**	**123,598**	**99,875**	**77,823**	**80,513**	**0.237**	**0.179**	**0.137**	**0.107**	**0.086**
SWFWMD Total	**759,298**	**821,245**	**872,333**	**916,016**	**953,691**	**78,494**	**61,947**	**51,088**	**43,683**	**37,675**	**0.545**	**0.429**	**0.354**	**0.302**	**0.261**
CFWI Total	**3,533,969**	**3,834,831**	**4,076,975**	**4,281,657**	**4,476,497**	**367,520**	**300,862**	**242,144**	**204,682**	**194,840**	**2.510**	**1.893**	**1.507**	**1.333**	**1.199**

Notes for **Tables A-8a-1a and A-8-1b**.

1.) All water use and water demand projections shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2016-2020 water use obtained from Districts' metered data and published annual reports.

4.) 2025-2045 county population projections obtained from **Tables A-1a and A-1b**.

5.) Stakeholder feedback indicated that there will be no new golf course use within the CFWI RWSP Planning Area. Golf course water use was removed from the per capita calculation.

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Table A-9. Commercial/industrial/institutional and mining/dewatering self-supply water use for 2020 and 5-in-10 year water demand projections for 2025-2045 by county in the CFWI Planning Area.

County/ District	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020-2045
	2020			2025			2030			2035			2040			2045			
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	
Lake (CFWI) SJRWMD	4.08	0.38	4.46	4.86	0.45	5.31	5.44	0.50	5.94	5.87	0.54	6.41	6.20	0.57	6.77	6.46	0.59	7.05	58%
Lake (CFWI) SWFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Lake – CFWI Total	**4.08**	**0.38**	**4.46**	**4.86**	**0.45**	**5.31**	**5.44**	**0.50**	**5.94**	**5.87**	**0.54**	**6.41**	**6.20**	**0.57**	**6.77**	**6.46**	**0.59**	**7.05**	**58%**
Orange - SFWMD	2.30	0.00	2.30	2.67	0.00	2.67	2.92	0.00	2.92	3.11	0.00	3.11	3.30	0.00	3.30	3.48	0.00	3.48	51%
Orange - SJRWMD	1.81	0.15	1.96	2.01	0.17	2.18	2.22	0.19	2.41	2.40	0.20	2.60	2.54	0.21	2.75	2.65	0.22	2.87	46%
Orange - Total	**4.11**	**0.15**	**4.26**	**4.68**	**0.17**	**4.85**	**5.14**	**0.19**	**5.33**	**5.51**	**0.20**	**5.71**	**5.84**	**0.21**	**6.05**	**6.13**	**0.22**	**6.35**	**49%**
Osceola - SFWMD	0.30	0.00	0.30	0.37	0.00	0.37	0.43	0.00	0.43	0.48	0.00	0.48	0.52	0.00	0.52	0.56	0.00	0.56	N/A
Osceola - SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04	N/A
Osceola - Total	**0.30**	**0.00**	**0.30**	**0.37**	**0.00**	**0.37**	**0.43**	**0.00**	**0.43**	**0.48**	**0.00**	**0.48**	**0.52**	**0.00**	**0.52**	**0.60**	**0.00**	**0.60**	**N/A**
Polk - SFWMD	0.43	0.00	0.43	0.51	0.00	0.51	0.57	0.00	0.57	0.61	0.00	0.61	0.64	0.00	0.64	0.67	0.00	0.67	N/A
Polk - SWFWMD	32.51	0.26	32.77	48.79	0.39	49.18	52.78	0.42	53.20	50.55	0.40	50.95	50.77	0.40	51.17	50.95	0.40	51.35	57%
Polk Total	**32.94**	**0.26**	**33.20**	**49.30**	**0.39**	**49.69**	**53.35**	**0.42**	**53.77**	**51.16**	**0.40**	**51.56**	**51.41**	**0.40**	**51.81**	**51.62**	**0.40**	**52.02**	**57%**
Seminole - SJRWMD	**0.17**	**0.00**	**0.17**	**0.17**	**0.00**	**0.17**	**0.17**	**0.00**	**0.17**	**0.17**	**0.00**	**0.17**	**0.17**	**0.00**	**0.17**	**0.17**	**0.00**	**0.17**	**N/A**
SFWMD Total	**3.03**	**0.00**	**3.03**	**3.55**	**0.00**	**3.55**	**3.92**	**0.00**	**3.92**	**4.20**	**0.00**	**4.20**	**4.46**	**0.00**	**4.46**	**4.71**	**0.00**	**4.71**	**55%**
SJRWMD Total	**6.06**	**0.53**	**6.59**	**7.04**	**0.62**	**7.66**	**7.83**	**0.69**	**8.52**	**8.44**	**0.74**	**9.18**	**8.91**	**0.78**	**9.69**	**9.32**	**0.81**	**10.13**	**54%**
SWFWMD Total	**32.51**	**0.26**	**32.77**	**48.79**	**0.39**	**49.18**	**52.78**	**0.42**	**53.20**	**50.55**	**0.40**	**50.95**	**50.77**	**0.40**	**51.17**	**50.95**	**0.40**	**51.35**	**57%**
CFWI Total	**41.60**	**0.79**	**42.39**	**59.38**	**1.01**	**60.39**	**64.53**	**1.11**	**65.64**	**63.19**	**1.14**	**64.33**	**64.14**	**1.18**	**65.32**	**64.98**	**1.21**	**66.19**	**56%**

Notes for **Table A-9.**

1.) All water use and water demand projections shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2020 water use obtained from Districts' metered data and published annual reports.

4.) 2025-2045 projected surface water demand was interpolated based on 2020 percentages.

GW==groundwater; SW==surface water.

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Table A-9a-1a. Commercial/industrial/institutional and mining/dewatering 2016-2020 water use, total county population, and 5-year gross per capita averages for commercial/industrial/institutional and mining/dewatering self-supply water demand increases in the CFWI Planning Area: Historic values.

County/ District	Total County Water Use					County Population within CFWI					2016-2020 Average GPCD
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
Lake - CFWI SJRWMD	3.271	3.851	3.514	3.900	4.460	123,408	127,275	133,087	140,076	150,842	28
Lake - CFWI SWFWMD	0.000	0.000	0.000	0.000	0.000	1,000	990	995	1,037	1,141	0
Lake - CFWI Total	**3.271**	**3.851**	**3.514**	**3.900**	**4.460**	**124,408**	**128,265**	**134,082**	**141,113**	**151,983**	**28**
Orange- SFWMD	2.083	2.126	2.167	2.090	2.298	379,072	396,762	414,922	433,893	455,526	5
Orange- SJRWMD	3.240	3.560	2.200	2.990	1.960	901,315	917,118	934,675	952,187	974,382	3
Orange – Total	**5.323**	**5.686**	**4.367**	**5.080**	**4.258**	**1,280,387**	**1,313,880**	**1,349,597**	**1,386,080**	**1,429,908**	**4**
Osceola - SFWMD	0.137	0.242	0.279	0.196	0.301	321,669	336,393	351,242	369,267	387,395	1
Osceola - SJRWMD	0.000	0.000	0.010	0.000	0.000	1,193	1,221	1,254	1,284	1,261	2
Osceola - Total	**0.137**	**0.242**	**0.289**	**0.196**	**0.301**	**322,862**	**337,614**	**352,496**	**370,551**	**388,656**	**1**
Polk -SFWMD	0.411	0.410	0.447	0.427	0.430	38,738	39,890	40,665	42,016	45,383	10
Polk - SWFWMD	4.288	4.181	4.057	3.721	3.937	608,251	621,755	632,363	648,590	679,663	6
Polk - Total	**4.699**	**4.591**	**4.504**	**4.148**	**4.367**	**646,989**	**661,645**	**673,028**	**690,606**	**725,046**	**7**
Seminole - SJRWMD	**0.000**	**0.000**	**0.050**	**0.000**	**0.170**	**449,124**	**454,757**	**463,560**	**471,735**	**470,856**	**0**
SFWMD Total	**2.631**	**2.778**	**2.893**	**2.713**	**3.029**	**739,479**	**773,045**	**806,829**	**845,176**	**888,304**	**3**
SJRWMD Total	**6.511**	**7.411**	**5.774**	**6.890**	**6.590**	**1,475,040**	**1,500,371**	**1,532,576**	**1,565,282**	**1,597,341**	**4**
SWFWMD Total	**4.288**	**4.181**	**4.057**	**3.721**	**3.937**	**609,251**	**622,745**	**633,358**	**649,627**	**680,804**	**6**
CFWI Total	**13.430**	**14.370**	**12.724**	**13.324**	**13.556**	**2,823,770**	**2,896,161**	**2,972,763**	**3,060,085**	**3,166,449**	**5**

Notes for Table **A-9a-1a.**

1.) All water use and water demand projections shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2016-2020 water use obtained from Districts' metered data and published annual reports.

4.) 2016-2020 water use was reduced to remove power generation (ECFTX classifies under CII/MD) and non-consumptive surface water associated with mining / dewatering.

5.) Water use for Polk County CII/MD permits in SWFWMD not impacted by population removed from the calculation for future growth.

GPCD==gallons per capita per day.

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Table A-9a-1b. Commercial/industrial/institutional and mining/dewatering 2016-2020 water use, total county population and 5-year gross per capita averages for commercial/industrial/institutional and mining/dewatering self-supply water demand increases in the CFWI Planning Area.

County/ District	County Population Projections within CFWI					Increase in County Population within CFWI					Change in Commercial / Industrial / Institutional Self-supply Water Demand				
	2025	2030	2035	2040	2045	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2025	2030	2035	2040	2045
Lake - CFWI SJRWMD	181,036	203,581	220,370	233,066	243,083	30,194	22,545	16,789	12,696	10,017	0.845	0.631	0.470	0.355	0.280
Lake - CFWI SWFWMD	1,732	2,351	2,904	3,391	3,813	591	619	553	487	422	0.000	0.000	0.000	0.000	0.000
Lake - CFWI Total	**182,768**	**205,932**	**223,274**	**236,457**	**246,896**	**30,785**	**23,164**	**17,342**	**13,183**	**10,439**	**0.845**	**0.631**	**0.470**	**0.355**	**0.280**
Orange- SFWMD	529,105	578,096	616,527	654,188	689,754	73,579	48,991	38,431	37,661	35,566	0.368	0.245	0.192	0.188	0.178
Orange- SJRWMD	1,048,595	1,126,604	1,190,473	1,239,212	1,279,246	74,213	78,009	63,869	48,739	40,034	0.223	0.234	0.192	0.146	0.120
Orange – Total	**1,577,700**	**1,704,700**	**1,807,000**	**1,893,400**	**1,969,000**	**147,792**	**127,000**	**102,300**	**86,400**	**75,600**	**0.591**	**0.479**	**0.384**	**0.334**	**0.298**
Osceola - SFWMD	460,888	521,642	570,027	612,238	650,277	73,493	60,754	48,385	42,211	38,039	0.073	0.061	0.048	0.042	0.038
Osceola - SJRWMD	2,613	3,857	4,974	5,962	23,524	1,352	1,244	1,117	988	17,562	0.003	0.002	0.002	0.002	0.035
Osceola - Total	**463,501**	**525,499**	**575,001**	**618,200**	**673,801**	**74,845**	**61,998**	**49,502**	**43,199**	**55,601**	**0.076**	**0.063**	**0.050**	**0.044**	**0.073**
Polk -SFWMD	53,334	58,906	63,271	66,575	69,622	7,951	5,572	4,365	3,304	3,047	0.080	0.056	0.044	0.033	0.030
Polk - SWFWMD	757,566	818,894	869,429	912,625	949,878	77,903	61,328	50,535	43,196	37,253	0.467	0.368	0.303	0.259	0.224
Polk - Total	**810,900**	**877,800**	**932,700**	**979,200**	**1,019,500**	**85,854**	**66,900**	**54,900**	**46,500**	**40,300**	**0.547**	**0.424**	**0.347**	**0.292**	**0.254**
Seminole - SJRWMD	**499,100**	**520,900**	**539,000**	**554,400**	**567,300**	**28,244**	**21,800**	**18,100**	**15,400**	**12,900**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
SFWMD Total	**1,043,327**	**1,158,644**	**1,249,825**	**1,333,001**	**1,409,653**	**155,023**	**115,317**	**91,181**	**83,176**	**76,652**	**0.521**	**0.362**	**0.284**	**0.263**	**0.246**
SJRWMD Total	**1,731,344**	**1,854,942**	**1,954,817**	**2,032,640**	**2,113,153**	**134,003**	**123,598**	**99,875**	**77,823**	**80,513**	**1.071**	**0.867**	**0.664**	**0.503**	**0.435**
SWFWMD Total	**759,298**	**821,245**	**872,333**	**916,016**	**953,691**	**78,494**	**61,947**	**51,088**	**43,683**	**37,675**	**0.467**	**0.368**	**0.303**	**0.259**	**0.224**
CFWI Total	**3,533,969**	**3,834,831**	**4,076,975**	**4,281,657**	**4,476,497**	**367,520**	**300,862**	**242,144**	**204,682**	**194,840**	**2.059**	**1.597**	**1.251**	**1.025**	**0.905**

Notes for **Table A-9a-1b**.

1.) All water use and water demand projections shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2025-2045 county population projections obtained from **Tables A-1a and A-1b**.

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Table A-10. Power generation self-supply water use for 2020 and 5-in-10 year water demand projections for 2025-2045 by county in the CFWI Planning Area.

County/ District	Water Use			Demand Projections (5-in-10)															Percent Demand Change 2020- 2045
	2020			2025			2030			2035			2040			2045			
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	
Lake (CFWI) SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
Lake (CFWI) SWFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
Lake – CFWI Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0%**
Orange - SFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
Orange - SJRWMD	0.47	0.00	0.47	0.73	0.00	0.73	0.73	0.00	0.73	0.73	0.00	0.73	0.73	0.00	0.73	0.73	0.00	0.73	55%
Orange - Total	**0.47**	**0.00**	**0.47**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**55%**
Osceola - SFWMD	0.13	0.00	0.13	0.16	0.00	0.16	0.17	0.00	0.17	0.18	0.00	0.18	0.19	0.00	0.19	0.20	0.00	0.20	54%
Osceola - SJRWMD	0.00	0.00	0.00	0.17	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.17	N/A
Osceola - Total	**0.13**	**0.00**	**0.13**	**0.33**	**0.00**	**0.33**	**0.34**	**0.00**	**0.34**	**0.35**	**0.00**	**0.35**	**0.36**	**0.00**	**0.36**	**0.37**	**0.00**	**0.37**	**185%**
Polk -SFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
Polk - SWFWMD	4.40	0.00	4.40	8.12	0.00	8.12	8.17	0.00	8.17	8.26	0.00	8.26	8.37	0.00	8.37	8.48	0.00	8.48	93%
Polk Total	**4.40**	**0.00**	**4.40**	**8.12**	**0.00**	**8.12**	**8.17**	**0.00**	**8.17**	**8.26**	**0.00**	**8.26**	**8.37**	**0.00**	**8.37**	**8.48**	**0.00**	**8.48**	**93%**
Seminole SJRWMD	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0%**
SFWMD Total	**0.13**	**0.00**	**0.13**	**0.16**	**0.00**	**0.16**	**0.17**	**0.00**	**0.17**	**0.18**	**0.00**	**0.18**	**0.19**	**0.00**	**0.19**	**0.20**	**0.00**	**0.20**	**54%**
SJRWMD Total	**0.47**	**0.00**	**0.47**	**0.90**	**0.00**	**0.90**	**0.90**	**0.00**	**0.90**	**0.90**	**0.00**	**0.90**	**0.90**	**0.00**	**0.90**	**0.90**	**0.00**	**0.90**	**91%**
SWFWMD Total	**4.40**	**0.00**	**4.40**	**8.12**	**0.00**	**8.12**	**8.17**	**0.00**	**8.17**	**8.26**	**0.00**	**8.26**	**8.37**	**0.00**	**8.37**	**8.48**	**0.00**	**8.48**	**93%**
CFWI Total	**5.00**	**0.00**	**5.00**	**9.18**	**0.00**	**9.18**	**9.24**	**0.00**	**9.24**	**9.34**	**0.00**	**9.34**	**9.46**	**0.00**	**9.46**	**9.58**	**0.00**	**9.58**	**92%**

Notes for **Table A-10**.

1.) All water use and water demand projections shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

GW==groundwater; SW==surface water.

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Table A-10a. Power generation self-supply water use for 2020 and 5-in-10 year water demand projections for 2025-2045 by county and facility in the CFWI Planning Area.

County - District	Facility	Water Use (Consumptive)			Demand Projections (Consumptive) (5-in-10)															Percent Change 2020 - 2045
		2020			2025			2030			2035			2040			2045			
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	
Orange - SFWMD	Central Energy Plant (RCID)	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0%
	Orlando CoGen LP	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0%
	SFWMD Orange Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0%**
Orange - SJRWMD	Orlando Utilities Commission – Stanton Power (141237)	0.47	0.00	**0.47**	0.73	0.00	**0.73**	0.73	0.00	**0.73**	0.73	0.00	**0.73**	0.73	0.00	**0.73**	0.73	0.00	**0.73**	55%
	SJRWMD Orange Total	**0.47**	**0.00**	**0.47**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**55%**
Osceola - SFWMD	Intercession City (Duke)	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.00	0.00	**0.00**	N/A
	Cane Island – Kissimmee Utility Authority (49-002467-W)	0.13	0.00	**0.13**	0.16	0.00	**0.16**	0.17	0.00	**0.17**	0.18	0.00	**0.18**	0.19	0.00	**0.19**	0.20	0.00	**0.20**	54%
	SFWMD Osceola Total	**0.13**	**0.00**	**0.13**	**0.16**	**0.00**	**0.16**	**0.17**	**0.00**	**0.17**	**0.18**	**0.00**	**0.18**	**0.19**	**0.00**	**0.19**	**0.20**	**0.00**	**0.20**	**54%**
Osceola - SJRWMD	East Central Florida Services – GenOn Osceola (70964)	0.00	0.00	**0.00**	0.17	0.00	**0.17**	0.17	0.00	**0.17**	0.17	0.00	**0.17**	0.17	0.00	**0.17**	0.17	0.00	**0.17**	N/A
	SJRWMD Osceola Total	**0.00**	**0.00**	**0.00**	**0.17**	**0.00**	**0.17**	**0.17**	**0.00**	**0.17**	**0.17**	**0.00**	**0.17**	**0.17**	**0.00**	**0.17**	**0.17**	**0.00**	**0.17**	**N/A**

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Table A-10a. Power generation self-supply water use for 2020 and 5-in-10 year water demand projections for 2025-2045 by county and facility in the CFWI Planning Area (continued).

County – District	Facility	Water Use (Consumptive)			Demand Projections (Consumptive) (5-in-10)															Percent Change 2020 - 2045
		2020			2025			2030			2035			2040			2045			
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	
Polk – SWFWMD	City of Lakeland – McIntosh Power Plant (47)	0.72	0.00	**0.72**	0.76	0.00	**0.76**	0.81	0.00	**0.81**	0.90	0.00	**0.90**	1.01	0.00	**1.01**	1.12	0.00	**1.12**	56%
	Larsen Memorial Power Plant (293)	0.08	0.00	**0.08**	0.22	0.00	**0.22**	0.22	0.00	**0.22**	0.22	0.00	**0.22**	0.22	0.00	**0.22**	0.22	0.00	**0.22**	175%
	Quantum Auburndale Power (10604)	0.00	0.00	**0.00**	1.33	0.00	**1.33**	1.33	0.00	**1.33**	1.33	0.00	**1.33**	1.33	0.00	**1.33**	1.33	0.00	**1.33**	N/A
	Wheelabrator Ridge Energy – Ridge (10631)	0.00	0.00	**0.00**	0.88	0.00	**0.88**	0.88	0.00	**0.88**	0.88	0.00	**0.88**	0.88	0.00	**0.88**	0.88	0.00	**0.88**	N/A
	Polk Power Partners LP – TECO – Mulberry Cogeneration (10700)	0.31	0.00	**0.31**	0.32	0.00	**0.32**	0.32	0.00	**0.32**	0.32	0.00	**0.32**	0.32	0.00	**0.32**	0.32	0.00	**0.32**	3%
	Duke Energy and US Agri. Co. – Tiger Bay (10840)	0.61	0.00	**0.61**	0.81	0.00	**0.81**	0.81	0.00	**0.81**	0.81	0.00	**0.81**	0.81	0.00	**0.81**	0.81	0.00	**0.81**	33%
	Duke Energy Fl – Hines (10944)	0.25	0.00	**0.25**	0.73	0.00	**0.73**	0.73	0.00	**0.73**	0.73	0.00	**0.73**	0.73	0.00	**0.73**	0.73	0.00	**0.73**	192%
	Orange Cogeneration Limited Partnership (10948)	0.31	0.00	**0.31**	0.33	0.00	**0.33**	0.33	0.00	**0.33**	0.33	0.00	**0.33**	0.33	0.00	**0.33**	0.33	0.00	**0.33**	6%
	Tampa Electric Company – Polk Power (11747)	0.56	0.00	**0.56**	0.74	0.00	**0.74**	0.74	0.00	**0.74**	0.74	0.00	**0.74**	0.74	0.00	**0.74**	0.74	0.00	**0.74**	32%
	Duke Energy Fl – Osprey Energy Center (12054)	1.56	0.00	**1.56**	2.00	0.00	**2.00**	2.00	0.00	**2.00**	2.00	0.00	**2.00**	2.00	0.00	**2.00**	2.00	0.00	**2.00**	28%
	SWFWMD Polk Total	**4.40**	**0.00**	**4.40**	**8.12**	**0.00**	**8.12**	**8.17**	**0.00**	**8.17**	**8.26**	**0.00**	**8.26**	**8.37**	**0.00**	**8.37**	**8.48**	**0.00**	**8.48**	**93%**
SFWMD Total		**0.13**	**0.00**	**0.13**	**0.16**	**0.00**	**0.16**	**0.17**	**0.00**	**0.17**	**0.18**	**0.00**	**0.18**	**0.19**	**0.00**	**0.19**	**0.20**	**0.00**	**0.20**	**54%**
SJRWMD Total		**0.47**	**0.00**	**0.47**	**0.90**	**0.00**	**0.90**	**0.90**	**0.00**	**0.90**	**0.90**	**0.00**	**0.90**	**0.90**	**0.00**	**0.90**	**0.90**	**0.00**	**0.90**	**91%**
SWFWMD Total		**4.40**	**0.00**	**4.40**	**8.12**	**0.00**	**8.12**	**8.17**	**0.00**	**8.17**	**8.26**	**0.00**	**8.26**	**8.37**	**0.00**	**8.37**	**8.48**	**0.00**	**8.48**	**93%**
CFWI Total		**5.00**	**0.00**	**5.00**	**9.18**	**0.00**	**9.18**	**9.24**	**0.00**	**9.24**	**9.34**	**0.00**	**9.34**	**9.46**	**0.00**	**9.46**	**9.58**	**0.00**	**9.58**	**92%**

Notes for **Table A-10a**.
1.) All water use and water demand projections are shown in million gallons per day.
2.) Rounding errors account for nominal discrepancies.
3.) 2020 water use was obtained from Districts' metered data and published annual reports.
4.) Consumptive surface water is assumed to be 2 percent of total surface water to account for water losses.
5.) Non-consumptive saline & fresh surface water are not shown as they are all zero.
GW==groundwater; RCID==Reedy Creek Improvement District; SW==surface water; TECO==Tampa Electric Company.

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Table A-10b-1a. 2016-2020 water use and megawatts, 5-year average gallons per megawatt, and 2025-2045 megawatt and 5-in-10 year water demand projections for power generation self-supply in the CFWI Planning Area: Historic Water Use.

County/ District	Facility	Groundwater Use					Non-Consumptive Saline and Fresh Surface Water Use				
		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Orange - SFWMD	Central Energy Plant (RCID)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Orlando CoGen LP	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SFWMD Orange Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Orange – SJRWMD	Orlando Utilities Commission – Stanton Power (141237)	0.360	0.428	0.490	0.510	0.465	0.000	0.000	0.000	0.000	0.000
	SJRWMD Orange Total	**0.360**	**0.428**	**0.490**	**0.510**	**0.465**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Osceola - SFWMD	Intercession City (Duke)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Cane Island -Kissimmee Utility Authority (49-02467-W)	0.136	0.123	0.116	0.130	0.132	0.000	0.000	0.000	0.000	0.000
	SFWMD Osceola Total	**0.136**	**0.123**	**0.116**	**0.130**	**0.132**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Osceola - SJRWMD	East Central Florida Services - GenOn Osceola (70964)	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SJRWMD Osceola Total	**0.001**	**0.001**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Polk - SWFWMD	City of Lakeland - McIntosh Power Plant (47)	0.909	0.321	1.011	0.882	0.724	0.000	0.000	0.000	0.000	0.000
	Larsen Memorial Power Plant (293)	0.091	0.344	0.005	0.013	0.078	0.000	0.000	0.000	0.000	0.000
	Quantum Auburndale Power (10604)	0.017	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Wheelabrator Ridge Energy - Ridge (10631)	0.451	0.49	0.482	0.035	0.000	0.000	0.000	0.000	0.000	0.000
	Polk Power Partners LP - TECO - Mulberry Cogeneration (10700)	0.293	0.311	0.342	0.317	0.311	0.000	0.000	0.000	0.000	0.000
	Duke Energy and US Agri. Co. - Tiger Bay (10840)	0.741	1.232	0.885	0.585	0.613	0.000	0.000	0.000	0.000	0.000
	Duke Energy Florida - Hines (10944)	0.610	0.879	0.851	0.468	0.250	0.000	0.000	0.000	0.000	0.000
	Orange Cogeneration Limited Partnership (10948)	0.335	0.339	0.324	0.334	0.309	0.000	0.000	0.000	0.000	0.000
	Tampa Electric Company - Polk Power (11747)	0.619	1.324	0.672	0.500	0.564	0.000	0.000	0.000	0.000	0.000
	Duke Energy Florida - Osprey Energy Center (12054)	1.933	1.215	1.246	1.815	1.564	0.000	0.000	0.000	0.000	0.000
	SWFWMD Polk Total	**5.999**	**6.456**	**5.819**	**4.949**	**4.413**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
SFWMD Total		**0.136**	**0.123**	**0.116**	**0.130**	**0.132**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
SJRWMD Total		**0.361**	**0.429**	**0.490**	**0.510**	**0.465**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
SWFWMD Total		**5.999**	**6.456**	**5.819**	**4.949**	**4.413**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
CFWI Total		**6.496**	**7.008**	**6.425**	**5.589**	**5.010**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

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Table A-10b-1b. 2016-2020 water use and megawatts, 5-year average gallons per megawatt, and 2025-2045 megawatt and 5-in-10 year water demand projections for power generation self-supply in the CFWI Planning Area: Historic and projected megawatts.

County/ District	Facility	Historic Megawatts					2016-2020 Gallons per Megawatt Average		Projected Megawatts				
		2016	2017	2018	2019	2020	Consumptive	Non-Consumptive	2025	2030	2035	2040	2045
Orange - SFWMD	Central Energy Plant (RCID)	35.500	41.900	35.200	37.500	36.400	0.00000	0.00000	47.800	50.000	52.400	54.800	57.300
	Orlando CoGen LP	133.000	133.000	133.000	133.000	133.000	0.00000	0.00000	133.000	133.000	133.000	133.000	133.000
	SFWMD Orange Total	**168.500**	**174.900**	**168.200**	**170.500**	**169.400**	**N/A**	**N/A**	**180.800**	**183.000**	**185.400**	**187.800**	**190.300**
Orange – SJRWMD	Orlando Utilities Commission - Stanton Power (141237)	959.9	903.1	957.6	931.8	968.7	0.00048	0.00000	931.8	993.3	1,107.8	1,238.0	1,383.4
	SJRWMD Orange Total	**959.9**	**903.1**	**957.6**	**931.8**	**968.7**	**N/A**	**N/A**	**931.8**	**993.3**	**1,107.8**	**1,238.0**	**1,383.4**
Osceola - SFWMD	Intercession City (Duke)	935.9	1,237.9	913.2	1,041.5	1,033.9	0.00000E+00	0.00000E+00	1,287.1	1,265.6	1,365.7	1,479.3	1,602.4
	Cane Island - Kissimmee Utility Authority (49-02467-W)	341.8	403.7	339	361.1	349.9	3.54776E-04	0.00000E+00	460.2	481.5	503.8	527.1	551.5
	SFWMD Osceola Total	**1,277.7**	**1,641.6**	**1,252.2**	**1,402.6**	**1,383.8**	**N/A**	**N/A**	**1,747.3**	**1,747.1**	**1,869.5**	**2,006.4**	**2,153.9**
Osceola - SJRWMD	East Central Florida Services - GenOn Osceola (70964)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	SJRWMD Osceola Total	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

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Table A-10b-1b. 2016-2020 water use and megawatts, 5-year average gallons per megawatt, and 2025-2045 megawatt and 5-in-10 year water demand projections for power generation self-supply in the CFWI Planning Area: Historic and projected megawatts (continued).

County/ District	Facility	Historic Megawatts					2016-2020 Gallons per Megawatt Average		Projected Megawatts				
		2016	2017	2018	2019	2020	Consumptive	Non-Consumptive	2025	2030	2035	2040	2045
Polk - SWFWMD	City of Lakeland - McIntosh Power Plant (47)	450.9	424.2	449.8	437.7	455.1	0.00173	0.00000	437.7	466.6	520.4	581.6	649.9
	Larsen Memorial Power Plant (293)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Quantum Auburndale Power (10604)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Wheelabrator Ridge Energy - Ridge (10631)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Polk Power Partners LP - TECO - Mulberry Cogeneration (10700)	115.0	115.0	115.0	115.0	115.0	0.00274	0.00000	115.0	115.0	115.0	115.0	115.0
	Duke Energy and US Agri. Co. - Tiger Bay (10840)	178.7	236.4	174.4	198.9	197.4	0.00411	0.00000	245.8	241.7	260.8	282.5	306.0
	Duke Energy Florida - Hines (10944)	1,730.6	2,289.0	1,688.6	1,925.8	1,911.8	0.00032	0.00000	2,379.9	2,340.2	2,525.3	2,735.4	2,963.0
	Orange Cogeneration Limited Partnership (10948)	104.0	104.0	104.0	104.0	104.0	0.00316	0.00000	104.0	104.0	104.0	104.0	104.0
	Tampa Electric Company - Polk Power (11747)	960.5	1,134.2	952.5	1,014.6	983.3	0.00073	0.00000	1,293.0	1,352.9	1,415.6	1,481.1	1,549.7
	Duke Energy Florida - Osprey Energy Center (12054)	195.48	258.56	190.73	217.53	215.94	0.00721	0.00000	389.5	383.0	413.3	447.7	485.0
	SWWMD Polk Total	**3,735.2**	**4,561.4**	**3,675.0**	**4,013.5**	**3,982.5**	**N/A**	**N/A**	**4,964.9**	**5,003.4**	**5,354.4**	**5,747.3**	**6,172.6**
SFWMD Total		**1,446.2**	**1,816.5**	**1,420.4**	**1,573.1**	**1,553.2**	**N/A**	**N/A**	**1,928.1**	**1,930.1**	**2,054.9**	**2,194.2**	**2,344.2**
SJRWMD Total		**959.9**	**903.1**	**957.6**	**931.8**	**968.7**	**N/A**	**N/A**	**931.8**	**993.3**	**1,107.8**	**1,238.0**	**1,383.4**
SWFWMD Total		**3,735.2**	**4,561.4**	**3,675.0**	**4,013.5**	**3,982.5**	**N/A**	**N/A**	**4,964.9**	**5,003.4**	**5,354.4**	**5,747.3**	**6,172.6**
CFWI Total		**6,141.3**	**7,281.0**	**6,053.0**	**6,518.4**	**6,504.4**	**N/A**	**N/A**	**7,824.8**	**7,926.8**	**8,517.1**	**9,179.5**	**9,900.2**

Table A-10b-1c. 2016-2020 water use and megawatts, 5-year average gallons per megawatt, and 2025-2045 megawatt and 5-in-10 year water demand projections for power generation self-supply in the CFWI Planning Area: Projected water demand.

County - District	Facility	Projected Groundwater Demand					Non-Consumptive Saline and Fresh Surface Water Demand				
		2025	2030	2035	2040	2045	2025	2030	2035	2040	2045
Orange - SFWMD	**Central Energy Plant (RCID)**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	Orlando CoGen LP	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	SFWMD Orange Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Orange – SJRWMD	Orlando Utilities Commission - Stanton Power (141237)	0.730	0.730	0.730	0.730	0.730	0.00	0.00	0.00	0.00	0.00
	SJRWMD Orange Total	**0.730**	**0.730**	**0.730**	**0.730**	**0.730**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Osceola - SFWMD	Intercession City (Duke)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Cane Island -Kissimmee Utility Authority (49-02467-W)	0.163	0.171	0.179	0.187	0.196	0.00	0.00	0.00	0.00	0.00
	SFWMD Osceola Total	**0.163**	**0.171**	**0.179**	**0.187**	**0.196**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Osceola - SJRWMD	East Central Florida Services - GenOn Osceola (70964)	0.171	0.171	0.171	0.171	0.171	0.00	0.00	0.00	0.00	0.00
	SJRWMD Osceola Total	**0.171**	**0.171**	**0.171**	**0.171**	**0.171**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Polk - SWFWMD	City of Lakeland - McIntosh Power Plant (47)	0.757	0.807	0.900	1.006	1.124	0.00	0.00	0.00	0.00	0.00
	Larsen Memorial Power Plant (293)	0.217	0.217	0.217	0.217	0.217	0.00	0.00	0.00	0.00	0.00
	Quantum Auburndale Power (10604)	1.326	1.326	1.326	1.326	1.326	0.00	0.00	0.00	0.00	0.00
	Wheelabrator Ridge Energy - Ridge (10631)	0.875	0.875	0.875	0.875	0.875	0.00	0.00	0.00	0.00	0.00
	Polk Power Partners LP - TECO - Mulberry Cogeneration (10700)	0.315	0.315	0.315	0.315	0.315	0.00	0.00	0.00	0.00	0.00
	Duke Energy and US Agri. Co. - Tiger Bay (10840)	0.811	0.811	0.811	0.811	0.811	0.00	0.00	0.00	0.00	0.00
	Duke Energy Florida - Hines (10944)	0.734	0.734	0.734	0.734	0.734	0.00	0.00	0.00	0.00	0.00
	Orange Cogeneration Limited Partnership (10948)	0.329	0.329	0.329	0.329	0.329	0.00	0.00	0.00	0.00	0.00
	Tampa Electric Company - Polk Power (11747)	0.736	0.736	0.736	0.736	0.736	0.00	0.00	0.00	0.00	0.00
	Duke Energy Florida - Osprey Energy Center (12054)	2.000	2.000	2.000	2.000	2.000	0.00	0.00	0.00	0.00	0.00
	SWFWMD Polk Total	**8.100**	**8.150**	**8.243**	**8.349**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
SFWMD Total		**0.163**	**0.171**	**0.179**	**0.187**	**0.196**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
SJRWMD Total		**0.901**	**0.901**	**0.901**	**0.901**	**0.901**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
SWFWMD Total		**8.100**	**8.150**	**8.243**	**8.349**	**8.467**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
CFWI Total		**9.164**	**9.222**	**9.323**	**9.437**	**9.564**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Notes for **Table A-10b-1a** through **Table A-10b-1c.**

1.) All water use and water demand projections shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) 2016-2020 water use obtained from Districts' metered data and published annual reports.

4.) 2016-2020 total historic and 2022-2031 future total capacity megawatts obtained from 2022 Ten-Year Site Plans submitted to PSC. Megawatt distribution to individual plants estimated using plant specific capacity in 2022 Ten-Year Site Plans. 2035-2045 future total capacity megawatts extrapolated.

5.) Stakeholder feedback and notes can be found in the Excel workbook at cfwiwater.com.

RCID==Reedy Creek Improvement District; TECO==Tampa Electric Company.

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Table A-11. Public supply and domestic self-supply and small public supply systems water use for 2020, 5-in-10 year water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by county in the CFWI Planning Area.

County/ District	Water Use			Demand Projections (5-in-10)															Total Percent Change 2020-2045	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045				2045		
	Public Supply	DSS and SPSS	Total	Public Supply	DSS and SPSS	Total	Public Supply	DSS and SPSS	Total	Public Supply	DSS and SPSS	Total	Public Supply	DSS and SPSS	Total	Public Supply	DSS and SPSS	Total		Public Supply	DSS and SPSS	Total
City of Cocoa (SJRWMD)																						
City of Cocoa Total	**20.00**	**0.00**	**20.00**	**30.55**	**0.00**	**30.55**	**35.56**	**0.00**	**35.56**	**36.68**	**0.00**	**36.68**	**37.69**	**0.00**	**37.69**	**38.56**	**0.00**	**38.56**	**93%**	**40.87**	**0.00**	**40.87**
Lake County (SJRWMD & SWFWMD)																						
SJRWMD	21.51	0.26	**21.77**	26.75	0.44	**27.19**	29.92	0.62	**30.54**	32.06	0.79	**32.85**	33.57	0.94	**34.51**	34.71	1.07	**35.78**	64%	36.81	1.12	**37.93**
SWFWMD	0.00	0.14	**0.14**	0.00	0.21	**0.21**	0.00	0.29	**0.29**	0.00	0.36	**0.36**	0.00	0.42	**0.42**	0.00	0.47	**0.47**	236%	0.00	0.50	**0.50**
Lake Total	**21.51**	**0.40**	21.91	**26.75**	**0.65**	**27.40**	**29.92**	**0.91**	**30.83**	**32.06**	**1.15**	**33.21**	**33.57**	**1.36**	**34.93**	**34.71**	**1.54**	**36.25**	**65%**	**36.81**	**1.62**	**38.43**
Orange County (SFWMD & SJRWMD)																						
SFWMD	72.81	5.40	**78.21**	89.49	6.89	**96.38**	99.97	5.68	**105.65**	107.96	4.37	**112.33**	116.31	3.42	**119.73**	121.95	2.71	**124.66**	59%	129.27	2.87	**132.14**
SJRWMD	116.33	7.79	**124.12**	144.85	4.77	**149.62**	156.87	4.34	**161.21**	166.66	4.02	**170.68**	174.76	3.22	**177.98**	183.25	0.84	**184.09**	48%	194.25	0.89	**195.14**
Orange Total	**189.14**	**13.19**	**202.33**	**234.34**	**11.66**	**246.00**	**256.84**	**10.02**	**266.86**	**274.62**	**8.39**	**283.01**	**291.07**	**6.64**	**297.71**	**305.20**	**3.55**	**308.75**	**53%**	**323.52**	**3.76**	**327.28**
Osceola County (SFWMD & SJRWMD)																						
SFWMD	39.41	1.23	**40.64**	58.13	1.30	**59.43**	65.58	1.32	**66.90**	71.15	1.35	**72.50**	75.72	1.37	**77.09**	79.27	1.45	**80.72**	99%	84.03	1.52	**85.55**
SJRWMD	0.00	0.00	**0.00**	0.20	0.13	**0.33**	0.21	0.26	**0.47**	0.22	0.38	**0.60**	0.23	0.48	**0.71**	2.41	0.57	**2.98**	N/A	2.55	0.60	**3.15**
Osceola Total	**39.41**	**1.23**	40.64	**58.33**	**1.43**	**59.76**	**65.79**	**1.58**	**67.37**	**71.37**	**1.73**	**73.10**	**75.95**	**1.85**	**77.80**	**81.68**	**2.02**	**83.70**	**106%**	**86.58**	**2.12**	**88.70**
Polk County (SFWMD & SWFWMD)																						
SFWMD	9.28	0.67	**9.95**	8.86	0.80	**9.66**	9.56	0.89	**10.45**	10.09	0.97	**11.06**	10.49	1.03	**11.52**	10.88	1.10	**11.98**	20%	11.54	1.15	**12.69**
SWFWMD	74.46	3.40	**77.86**	84.73	3.88	**88.61**	91.67	4.23	**95.90**	97.28	4.52	**101.80**	102.19	4.68	**106.87**	106.34	4.84	**111.18**	43%	112.73	5.06	**117.79**
Polk Total	**83.74**	**4.07**	87.81	**93.59**	**4.68**	**98.27**	**101.23**	**5.12**	**106.35**	**107.37**	**5.49**	**112.86**	**112.68**	**5.71**	**118.39**	**117.22**	**5.94**	**123.16**	**40%**	**124.27**	**6.21**	**130.48**
Seminole County (SJRWMD)																						
Seminole Total	**53.03**	**1.07**	54.10	**57.43**	**1.49**	**58.92**	**59.88**	**1.60**	**61.48**	**61.89**	**1.66**	**63.55**	**63.52**	**1.70**	**65.22**	**64.82**	**1.75**	**66.57**	**23%**	**68.69**	**1.84**	**70.53**
Total Water Use																						
SFWMD Total	**121.50**	**7.30**	128.80	**156.48**	**8.99**	**165.47**	**175.11**	**7.89**	**183.00**	**189.20**	**6.69**	**195.89**	**202.52**	**5.82**	**208.34**	**212.10**	**5.26**	**217.36**	**69%**	**224.84**	**5.54**	**230.38**
SJRWMD Total	**210.87**	**9.12**	219.99	**259.78**	**6.83**	**266.61**	**282.44**	**6.82**	**289.26**	**297.51**	**6.85**	**304.36**	**309.77**	**6.34**	**316.11**	**323.75**	**4.23**	**327.98**	**49%**	**343.17**	**4.45**	**347.62**
SWFWMD Total	**74.46**	**3.54**	78.00	**84.73**	**4.09**	**88.82**	**91.67**	**4.52**	**96.19**	**97.28**	**4.88**	**102.16**	**102.19**	**5.10**	**107.29**	**106.34**	**5.31**	**111.65**	**43%**	**112.73**	**5.56**	**118.29**
CFWI Total	**406.83**	**19.96**	426.79	**500.99**	**19.91**	**520.90**	**549.22**	**19.23**	**568.45**	**583.99**	**18.42**	**602.41**	**614.48**	**17.26**	**631.74**	**642.19**	**14.80**	**656.99**	**54%**	**680.74**	**15.55**	**696.29**

Notes for **Table A-11**.

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

3.) Public water supply utility service areas often include residences that derive their water supply from privately owned (domestic self-supply) wells. Typically, these domestic self-supply water uses existed prior to their locations becoming part of public water supply service areas. For public water supply service areas, the Districts do not have sufficient information to separate the population served by public supply systems from those served by domestic self-supply wells. Therefore, public water supply population estimated by the Districts often include some domestic self-supply population.

DSS==domestic self-supply; SPSS==small public supply systems

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Table A-12-1. Lake County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area.

Category/ District	Water Use			Demand Projections (5-in-10)															Percent Change 2020-2045	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045				2045		
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total		GW	SW	Total
Public Supply																						
SJRWMD	21.51	0.00	21.51	26.75	0.00	26.75	29.92	0.00	29.92	32.06	0.00	32.06	33.57	0.00	33.57	34.71	0.00	34.71	61%	36.81	0.00	36.81
SWFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	0.00
Total	**21.51**	**0.00**	**21.51**	**26.75**	**0.00**	**26.75**	**29.92**	**0.00**	**29.92**	**32.06**	**0.00**	**32.06**	**33.57**	**0.00**	**33.57**	**34.71**	**0.00**	**34.71**	**61%**	**36.81**	**0.00**	**36.81**
Domestic Self supply and Small Public Supply Systems																						
SJRWMD	0.26	0.00	0.26	0.44	0.00	0.44	0.62	0.00	0.62	0.79	0.00	0.79	0.94	0.00	0.94	1.07	0.00	1.07	312%	1.12	0.00	1.12
SWFWMD	0.14	0.00	0.14	0.21	0.00	0.21	0.29	0.00	0.29	0.36	0.00	0.36	0.42	0.00	0.42	0.47	0.00	0.47	236%	0.50	0.00	0.50
Total	**0.40**	**0.00**	**0.40**	**0.65**	**0.00**	**0.65**	**0.91**	**0.00**	**0.91**	**1.15**	**0.00**	**1.15**	**1.36**	**0.00**	**1.36**	**1.54**	**0.00**	**1.54**	**285%**	**1.62**	**0.00**	**1.62**
Agricultural Irrigation Self-supply																						
SJRWMD	6.32	2.13	8.45	5.73	1.93	7.66	4.95	1.67	6.62	4.56	1.54	6.10	4.25	1.43	5.68	3.89	1.31	5.20	-38%	5.20	1.75	6.95
SWFWMD	0.55	0.00	0.55	0.56	0.00	0.56	0.57	0.00	0.57	0.58	0.00	0.58	0.47	0.00	0.47	0.41	0.00	0.41	-25%	0.55	0.00	0.55
Total	**6.87**	**2.13**	**9.00**	**6.29**	**1.93**	**8.22**	**5.52**	**1.67**	**7.19**	**5.14**	**1.54**	**6.68**	**4.72**	**1.43**	**6.15**	**4.30**	**1.31**	**5.61**	**-38%**	**5.75**	**1.75**	**7.50**
Landscape/Recreational Self-supply																						
SJRWMD	2.36	4.25	6.61	2.42	4.37	6.79	2.47	4.46	6.93	2.51	4.52	7.03	2.54	4.57	7.11	2.56	4.61	7.17	8%	3.05	5.48	8.53
SWFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	0.00
Total	**2.36**	**4.25**	**6.61**	**2.42**	**4.37**	**6.79**	**2.47**	**4.46**	**6.93**	**2.51**	**4.52**	**7.03**	**2.54**	**4.57**	**7.11**	**2.56**	**4.61**	**7.17**	**8%**	**3.05**	**5.48**	**8.53**
Commercial / Industrial / Institutional Self-supply																						
SJRWMD	4.08	0.38	4.46	4.86	0.45	5.31	5.44	0.50	5.94	5.87	0.54	6.41	6.20	0.57	6.77	6.46	0.59	7.05	58%	6.46	0.59	7.05
SWFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	0.00
Total	**4.08**	**0.38**	**4.46**	**4.86**	**0.45**	**5.31**	**5.44**	**0.50**	**5.94**	**5.87**	**0.54**	**6.41**	**6.20**	**0.57**	**6.77**	**6.46**	**0.59**	**7.05**	**58%**	**6.46**	**0.59**	**7.05**
Power Generation Self-supply																						
SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	0.00
SWFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0%**	**0.00**	**0.00**	**0.00**
Lake County (CFWI)																						
SJRWMD	34.53	6.76	41.29	40.20	6.75	46.95	43.40	6.63	50.03	45.79	6.60	52.39	47.50	6.57	54.07	48.69	6.51	55.20	34%	52.64	7.82	60.46
SWFWMD	0.69	0.00	0.69	0.77	0.00	0.77	0.86	0.00	0.86	0.94	0.00	0.94	0.89	0.00	0.89	0.88	0.00	0.88	28%	1.05	0.00	1.05
CFWI Total	**35.22**	**6.76**	**41.98**	**40.97**	**6.75**	**47.72**	**44.26**	**6.63**	**50.89**	**46.73**	**6.6**	**53.33**	**48.39**	**6.57**	**54.96**	**49.57**	**6.51**	**56.08**	**34%**	**53.69**	**7.82**	**61.51**

Notes for **Table A-12-1.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

GW==groundwater; SW==surface water.

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Table A-12-2. Orange County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area.

Category/ District	Water Use			Demand Projections (5-in-10)															Percent Change 2020-2045	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045				2045		
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total		GW	SW	Total
Public Supply																						
SFWMD	72.81	0.00	72.81	89.49	0.00	89.49	99.97	0.00	99.97	107.96	0.00	107.96	116.31	0.00	116.31	121.95	0.00	121.95	67%	129.27	0.00	129.27
SJRWMD	116.33	0.00	116.33	144.85	0.00	144.85	156.83	0.04	156.87	166.62	0.04	166.66	174.72	0.04	174.76	183.21	0.04	183.25	58%	194.21	0.04	194.25
Total	**189.14**	**0.00**	**189.14**	**234.34**	**0.00**	**234.34**	**256.80**	**0.04**	**256.84**	**274.58**	**0.04**	**274.62**	**291.03**	**0.04**	**291.07**	**305.16**	**0.04**	**305.20**	**61%**	**323.48**	**0.04**	**323.52**
Domestic Self-supply and Small Public Supply Systems																						
SFWMD	5.40	0.00	5.40	6.89	0.00	6.89	5.68	0.00	5.68	4.37	0.00	4.37	3.42	0.00	3.42	2.71	0.00	2.71	-50%	2.87	0.00	2.87
SJRWMD	7.79	0.00	7.79	4.77	0.00	4.77	4.34	0.00	4.34	4.02	0.00	4.02	3.22	0.00	3.22	0.84	0.00	0.84	-89%	0.89	0.00	0.89
Total	**13.19**	**0.00**	**13.19**	**11.66**	**0.00**	**11.66**	**10.02**	**0.00**	**10.02**	**8.39**	**0.00**	**8.39**	**6.64**	**0.00**	**6.64**	**3.55**	**0.00**	**3.55**	**-73%**	**3.76**	**0.00**	**3.76**
Agricultural Irrigation Self-supply																						
SFWMD	0.56	0.06	0.62	0.50	0.05	0.55	0.41	0.04	0.45	0.39	0.04	0.43	0.27	0.03	0.30	0.15	0.02	0.17	-73%	0.20	0.02	0.22
SJRWMD	3.99	1.63	5.62	3.62	1.48	5.10	3.22	1.31	4.53	2.85	1.17	4.02	2.55	1.04	3.59	2.32	0.95	3.27	-42%	2.73	1.12	3.85
Total	**4.55**	**1.69**	**6.24**	**4.12**	**1.53**	**5.65**	**3.63**	**1.35**	**4.98**	**3.24**	**1.21**	**4.45**	**2.82**	**1.07**	**3.89**	**2.47**	**0.97**	**3.44**	**-45%**	**2.93**	**1.14**	**4.07**
Landscape/Recreational Self-supply																						
SFWMD	7.07	1.09	8.16	7.77	1.20	8.97	8.24	1.27	9.51	8.60	1.33	9.93	8.96	1.38	10.34	9.30	1.43	10.73	31%	10.69	1.65	12.34
SJRWMD	1.00	0.30	1.30	1.00	0.30	1.30	1.00	0.30	1.30	1.00	0.30	1.30	1.00	0.30	1.30	1.00	0.30	1.30	0%	1.62	0.49	2.11
Total	**8.07**	**1.39**	**9.46**	**8.77**	**1.50**	**10.27**	**9.24**	**1.57**	**10.81**	**9.60**	**1.63**	**11.23**	**9.96**	**1.68**	**11.64**	**10.30**	**1.73**	**12.03**	**27%**	**12.31**	**2.14**	**14.45**
Commercial / Industrial / Institutional Self-supply																						
SFWMD	2.30	0.00	2.30	2.67	0.00	2.67	2.92	0.00	2.92	3.11	0.00	3.11	3.30	0.00	3.30	3.48	0.00	3.48	51%	3.48	0.00	3.48
SJRWMD	1.81	0.15	1.96	2.01	0.17	2.18	2.22	0.19	2.41	2.40	0.20	2.60	2.54	0.21	2.75	2.65	0.22	2.87	46%	2.65	0.22	2.87
Total	**4.11**	**0.15**	**4.26**	**4.68**	**0.17**	**4.85**	**5.14**	**0.19**	**5.33**	**5.51**	**0.20**	**5.71**	**5.84**	**0.21**	**6.05**	**6.13**	**0.22**	**6.35**	**49%**	**6.13**	**0.22**	**6.35**
Power Generation Self-supply																						
SFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	0.00
SJRWMD	0.47	0.00	0.47	0.73	0.00	0.73	0.73	0.00	0.73	0.73	0.00	0.73	0.73	0.00	0.73	0.73	0.00	0.73	55%	0.73	0.00	0.73
Total	**0.47**	**0.00**	**0.47**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**0.73**	**0.00**	**0.73**	**55%**	**0.73**	**0.00**	**0.73**
Orange County Total																						
SFWMD	88.14	1.15	89.29	107.32	1.25	108.57	117.22	1.31	118.53	124.43	1.37	125.80	132.26	1.41	133.67	137.59	1.45	139.04	56%	146.51	1.67	148.18
SJRWMD	131.39	2.08	133.47	156.98	1.95	158.93	168.34	1.84	170.18	177.62	1.71	179.33	184.76	1.59	186.35	190.75	1.51	192.26	44%	202.83	1.87	204.70
Total	**219.53**	**3.23**	**222.76**	**264.30**	**3.20**	**267.50**	**285.56**	**3.15**	**288.71**	**302.05**	**3.08**	**305.13**	**317.02**	**3**	**320.02**	**328.34**	**2.96**	**331.30**	**49%**	**349.34**	**3.54**	**352.88**

Notes for **Table A-12-2.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

GW==groundwater; SW==surface water.

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Table A-12-3. Osceola County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area.

Category/ District	Water Use			Demand Projections (5-in-10)															Percent Change 2020-2045	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045				2045		
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total		GW	SW	Total
Public Supply																						
SFWMD	39.41	0.00	39.41	58.13	0.00	58.13	65.58	0.00	65.58	71.15	0.00	71.15	75.72	0.00	75.72	79.27	0.00	79.27	101%	84.03	0.00	84.03
SJRWMD	0.00	0.00	0.00	0.20	0.00	0.20	0.21	0.00	0.21	0.22	0.00	0.22	0.23	0.00	0.23	0.21	2.20	2.41	N/A	0.22	2.33	2.55
Total	**39.41**	**0.00**	**39.41**	**58.33**	**0.00**	**58.33**	**65.79**	**0.00**	**65.79**	**71.37**	**0.00**	**71.37**	**75.95**	**0.00**	**75.95**	**79.48**	**2.20**	**81.68**	**107%**	**84.25**	**2.33**	**86.58**
Domestic Self supply and Small Public Supply Systems																						
SFWMD	1.23	0.00	1.23	1.30	0.00	1.30	1.32	0.00	1.32	1.35	0.00	1.35	1.37	0.00	1.37	1.45	0.00	1.45	18%	1.52	0.00	1.52
SJRWMD	0.00	0.00	0.00	0.13	0.00	0.13	0.26	0.00	0.26	0.38	0.00	0.38	0.48	0.00	0.48	0.57	0.00	0.57	N/A	0.60	0.00	0.60
Total	**1.23**	**0.00**	**1.23**	**1.43**	**0.00**	**1.43**	**1.58**	**0.00**	**1.58**	**1.73**	**0.00**	**1.73**	**1.85**	**0.00**	**1.85**	**2.02**	**0.00**	**2.02**	**64%**	**2.12**	**0.00**	**2.12**
Agricultural Irrigation Self-supply																						
SFWMD	16.83	3.29	20.12	16.95	3.31	20.26	17.06	3.34	20.40	17.09	3.34	20.43	17.08	3.34	20.42	17.08	3.34	20.42	1%	21.93	4.29	26.22
SJRWMD	13.22	12.57	27.21	15.40	13.11	28.51	16.55	13.27	29.82	17.70	13.45	31.15	18.79	13.58	32.37	18.59	11.52	30.11	11%	17.70	13.20	30.90
Total	**30.05**	**15.86**	**47.33**	**32.35**	**16.42**	**48.77**	**33.61**	**16.61**	**50.22**	**34.79**	**16.79**	**51.58**	**35.87**	**16.92**	**52.79**	**35.67**	**14.86**	**50.53**	**7%**	**39.63**	**17.49**	**57.12**
Landscape/Recreational Self-supply																						
SFWMD	2.93	0.84	3.77	3.56	1.02	4.58	4.08	1.17	5.25	4.49	1.29	5.78	4.85	1.39	6.24	5.18	1.48	6.66	77%	5.95	1.71	7.66
SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	0.00
Total	**2.93**	**0.84**	**3.77**	**3.56**	**1.02**	**4.58**	**4.08**	**1.17**	**5.25**	**4.49**	**1.29**	**5.78**	**4.85**	**1.39**	**6.24**	**5.18**	**1.48**	**6.66**	**77%**	**5.95**	**1.71**	**7.66**
Commercial / Industrial / Institutional Self-supply																						
SFWMD	0.30	0.00	0.30	0.37	0.00	0.37	0.43	0.00	0.43	0.48	0.00	0.48	0.52	0.00	0.52	0.56	0.00	0.56	N/A	0.56	0.00	0.56
SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0%	0.04	0.00	0.04
Total	**0.30**	**0.00**	**0.30**	**0.37**	**0.00**	**0.37**	**0.43**	**0.00**	**0.43**	**0.48**	**0.00**	**0.48**	**0.52**	**0.00**	**0.52**	**0.60**	**0.00**	**0.60**	**N/A**	**0.60**	**0.00**	**0.60**
Power Generation Self-supply																						
SFWMD	0.13	0.00	0.13	0.16	0.00	0.16	0.17	0.00	0.17	0.18	0.00	0.18	0.19	0.00	0.19	0.20	0.00	0.20	54%	0.20	0.00	0.20
SJRWMD	0.00	0.00	0.00	0.17	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.17	N/A	0.17	0.00	0.17
Total	**0.13**	**0.00**	**0.13**	**0.33**	**0.00**	**0.33**	**0.34**	**0.00**	**0.34**	**0.35**	**0.00**	**0.35**	**0.36**	**0.00**	**0.36**	**0.37**	**0.00**	**0.37**	**185%**	**0.37**	**0.00**	**0.37**
Osceola County Total																						
SFWMD	**60.83**	**4.13**	**64.96**	**80.47**	**4.33**	**84.80**	**88.64**	**4.51**	**93.15**	**94.74**	**4.63**	**99.37**	**99.73**	**4.73**	**104.46**	**103.74**	**4.82**	**108.56**	**67%**	**114.19**	**6.00**	**120.19**
SJRWMD	**13.22**	**12.57**	**27.21**	**15.90**	**13.11**	**29.01**	**17.19**	**13.27**	**30.46**	**18.47**	**13.45**	**31.92**	**19.67**	**13.58**	**33.25**	**19.58**	**13.72**	**33.30**	**22%**	**18.73**	**15.53**	**34.26**
Total	**74.05**	**16.70**	**92.17**	**96.37**	**17.44**	**113.81**	**105.83**	**17.78**	**123.61**	**113.21**	**18.08**	**131.29**	**119.40**	**18.31**	**137.71**	**123.32**	**18.54**	**141.86**	**54%**	**132.92**	**21.53**	**154.45**

Notes for **Table A-12-3.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

GW==groundwater; SW==surface water.

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Table A-12-4. Polk County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045 by category of use in the CFWI Planning Area.

Category/ District	Water Use			Demand Projections (5-in-10)															Percent Change	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045			2020-2045	2045		
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total		GW	SW	Total
Public Supply																						
SFWMD	9.28	0.00	9.28	8.86	0.00	8.86	9.56	0.00	9.56	10.09	0.00	10.09	10.49	0.00	10.49	10.88	0.00	10.88	17%	11.54	0.00	11.54
SWFWMD	74.46	0.00	74.46	84.73	0.00	84.73	91.67	0.00	91.67	97.28	0.00	97.28	102.19	0.00	102.19	106.34	0.00	106.34	43%	112.73	0.00	112.73
Total	**83.74**	**0.00**	**83.74**	**93.59**	**0.00**	**93.59**	**101.23**	**0.00**	**101.23**	**107.37**	**0.00**	**107.37**	**112.68**	**0.00**	**112.68**	**117.22**	**0.00**	**117.22**	**40%**	**124.27**	**0.00**	**124.27**
Domestic Self supply and Small Public Supply Systems																						
SFWMD	0.67	0.00	0.67	0.80	0.00	0.80	0.89	0.00	0.89	0.97	0.00	0.97	1.03	0.00	1.03	1.10	0.00	1.10	64%	1.15	0.00	1.15
SWFWMD	3.40	0.00	3.40	3.88	0.00	3.88	4.23	0.00	4.23	4.52	0.00	4.52	4.68	0.00	4.68	4.84	0.00	4.84	42%	5.06	0.00	5.06
Total	**4.07**	**0.00**	**4.07**	**4.68**	**0.00**	**4.68**	**5.12**	**0.00**	**5.12**	**5.49**	**0.00**	**5.49**	**5.71**	**0.00**	**5.71**	**5.94**	**0.00**	**5.94**	**46%**	**6.21**	**0.00**	**6.21**
Agricultural Irrigation Self-supply																						
SFWMD	2.36	2.47	4.83	2.37	2.48	4.85	2.38	2.49	4.87	2.36	2.46	4.82	2.36	2.46	4.82	2.32	2.43	4.75	-2%	2.89	3.02	5.91
SWFWMD	62.09	2.53	64.62	62.83	2.56	65.39	64.58	2.63	67.21	63.90	2.60	66.50	63.09	2.57	65.66	62.30	2.54	64.84	0%	90.92	3.70	94.62
Total	**64.45**	**5.00**	**69.45**	**65.20**	**5.04**	**70.24**	**66.96**	**5.12**	**72.08**	**66.26**	**5.06**	**71.32**	**65.45**	**5.03**	**70.48**	**64.62**	**4.97**	**69.59**	**0%**	**93.81**	**6.72**	**100.53**
Landscape/Recreational Self-supply																						
SFWMD	0.79	0.00	0.79	0.90	0.00	0.90	0.98	0.00	0.98	1.04	0.00	1.04	1.09	0.00	1.09	1.13	0.00	1.13	43%	1.36	0.00	1.36
SWFWMD	7.14	0.50	7.64	7.65	0.54	8.19	8.05	0.57	8.62	8.38	0.59	8.97	8.66	0.61	9.27	8.90	0.63	9.53	25%	10.60	0.74	11.34
Total	**7.93**	**0.50**	**8.43**	**8.55**	**0.54**	**9.09**	**9.03**	**0.57**	**9.60**	**9.42**	**0.59**	**10.01**	**9.75**	**0.61**	**10.36**	**10.03**	**0.63**	**10.66**	**26%**	**11.96**	**0.74**	**12.70**
Commercial / Industrial / Institutional Self-supply																						
SFWMD	0.43	0.00	0.43	0.51	0.00	0.51	0.57	0.00	0.57	0.61	0.00	0.61	0.64	0.00	0.64	0.67	0.00	0.67	56%	0.67	0.00	0.67
SWFWMD	32.51	0.26	32.77	48.79	0.39	49.18	52.78	0.42	53.20	50.55	0.40	50.95	50.77	0.40	51.17	50.95	0.40	51.35	57%	50.95	0.40	51.35
Total	**32.94**	**0.26**	**33.20**	**49.30**	**0.39**	**49.69**	**53.35**	**0.42**	**53.77**	**51.16**	**0.40**	**51.56**	**51.41**	**0.40**	**51.81**	**51.62**	**0.40**	**52.02**	**57%**	**51.62**	**0.40**	**52.02**
Power Generation Self-supply																						
SFWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	0.00
SWFWMD	4.40	0.00	4.40	8.12	0.00	8.12	8.17	0.00	8.17	8.26	0.00	8.26	8.37	0.00	8.37	8.48	0.00	8.48	93%	8.48	0.00	8.48
Total	**4.40**	**0.00**	**4.40**	**8.12**	**0.00**	**8.12**	**8.17**	**0.00**	**8.17**	**8.26**	**0.00**	**8.26**	**8.37**	**0.00**	**8.37**	**8.48**	**0.00**	**8.48**	**93%**	**8.48**	**0.00**	**8.48**
Polk County Total																						
SFWMD	13.53	2.47	16.00	13.44	2.48	15.92	14.38	2.49	16.87	15.07	2.46	17.53	15.61	2.46	18.07	16.10	2.43	18.53	16%	17.61	3.02	20.63
SWFWMD	184.00	3.29	187.29	216.00	3.49	219.49	229.48	3.62	233.10	232.89	3.59	236.48	237.76	3.58	241.34	241.81	3.57	245.38	31%	278.74	4.84	283.58
Total	**197.53**	**5.76**	**203.29**	**229.44**	**5.97**	**235.41**	**243.86**	**6.11**	**249.97**	**247.96**	**6.05**	**254.01**	**253.37**	**6.04**	**259.41**	**257.91**	**6.00**	**263.91**	**30%**	**296.35**	**7.86**	**304.21**

Notes for **Table A-12-4.**

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

GW==groundwater; SW==surface water.

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Table A-12-5. Seminole County: Water use for 2020, 5-in-10 year total water demand projections for 2025-2045, and 1-in-10 year water demand projections for 2045, by category of use in the CFWI Planning Area.

Category/ District	Water Use			Demand Projections (5-in-10)															Percent Change	Demand Projections (1-in-10)		
	2020			2025			2030			2035			2040			2045			2020-2045	2045		
	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total		GW	SW	Total
Public Supply																						
SJRWMD	53.03	0.00	53.03	57.43	0.00	57.43	59.88	0.00	59.88	61.89	0.00	61.89	63.52	0.00	63.52	63.32	1.50	64.82	22%	67.19	1.50	68.69
Domestic Self supply and Small Public Supply Systems																						
SJRWMD	1.07	0.00	1.07	1.49	0.00	1.49	1.60	0.00	1.60	1.66	0.00	1.66	1.70	0.00	1.70	1.75	0.00	1.75	64%	1.84	0.00	1.84
Agricultural Irrigation Self-supply																						
SJRWMD	2.01	0.67	2.68	1.93	0.65	2.58	1.81	0.61	2.42	1.69	0.56	2.25	1.58	0.53	2.11	1.39	0.46	1.85	-31%	1.69	0.57	2.26
Landscape/Recreational Self-supply																						
SJRWMD	**0.57**	**1.39**	**2.00**	**0.63**	**1.43**	**2.06**	**0.64**	**1.46**	**2.10**	**0.65**	**1.49**	**2.14**	**0.66**	**1.51**	**2.17**	**0.67**	**1.53**	**2.20**	**10%**	**0.86**	**1.96**	**2.82**
Commercial / Industrial / Institutional Self-supply																						
SJRWMD	0.17	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.17	0%	0.17	0.00	0.17
Power Generation Self-supply																						
SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00	0.00
Seminole County Total																						
Total	56.85	2.06	58.95	61.65	2.08	63.73	64.10	2.07	66.17	66.06	2.05	68.11	67.63	2.04	69.67	67.30	3.49	70.79	20%	71.75	4.03	75.78

Notes for **Table A-12-5**.

1.) All water use and water demand projections are shown in million gallons per day (mgd).

2.) Rounding errors account for nominal discrepancies.

GW==groundwater; SW==surface water.

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Table A-13a. 2020 Reuse flows and reuse categories by facility, county, and district in the CFWI Planning Area.

County/ District	Facility Name and ID#	2020												
		Total WW Flows	Reuse CFWI	Supple-mental Flows	WW Disposal	Residential Irrigation/ Landscape	Golf Courses	Agriculture Irrigation	Spray Fields	Recharge/ RIBS	IPR	Industrial	Wetlands	Other Reuse
Brevard (CFWI) SJRWMD	Cocoa Beach WWTP – FL0021105	3.89	3.24	0.00	0.89	2.82	0.17	0.00	0.00	0.00	0.00	0.25	0.00	0.00
	Cocoa-Cape Canaveral WRF – FL0020541	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SJRWMD Brevard (CFWI) County Total	**3.90**	**3.24**	**0.00**	**0.89**	**2.82**	**0.17**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Lake (CFWI) SJR WMD	Conserv II Distribution Center - Lake Co. – FLA010795	0.00	5.18	0.00	0.00	0.00	0.00	0.69	0.31	3.88	0.00	0.00	0.00	0.31
	Clerbrook RV & Golf Resort – FLA010538	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
	Clermont, City of - East – WWTF - FLA010515	3.08	3.44	0.36	0.00	2.92	0.34	0.00	0.00	0.16	0.00	0.01	0.00	0.00
	Groveland- Sunshine Parkway WWTF FLA010656	0.52	0.43	0.23	0.00	0.42	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
	Groveland/Sampey Rd. – WWTF FLA010513	0.74	0.76	0.02	0.00	0.68	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
	Lake Groves WWTF FLA010630	0.60	0.56	0.00	0.00	0.31	0.00	0.00	0.00	0.22	0.00	0.01	0.00	0.02
	Minneola, City of WWTF FLA356344	0.34	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00
	Pine Island FLA297631	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Southlake Utilities FLA010634	0.79	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00
	SJRWMD Lake (CFWI) County Total	**6.11**	**11.53**	**0.61**	**0.00**	**4.33**	**0.35**	**0.69**	**0.31**	**5.51**	**0.00**	**0.02**	**0.00**	**0.33**

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Table A-13a. 2020 Reuse flows and reuse categories by facility, county, and District in the CFWI Planning Area (continued).

County/ District	Facility Name and ID#	2020												
		Total WW Flows	Reuse CFWI	Supple-mental Flows	WW Disposal	Residential Irrigation/ Landscape	Golf Courses	Agriculture Irrigation	Spray Fields	Recharge/ RIBS	IPR	Industrial	Wetlands	Other Reuse
Orange - SFWMD	Conserv II Distribution Center Orange Co. – FLA010795	0.00	26.81	3.47	0.00	16.33	1.48	0.00	0.00	8.99	0.00	0.00	0.00	0.00
	Orlando - Water Conserv II (McLeod Rd) FLA010814	14.20	3.63	0.00	0.00	2.83	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	OCUD - South WRF FLA107972	23.98	8.63	0.00	0.00	5.41	2.11	0.00	0.31	0.00	0.00	0.82	0.00	0.00
	Orlando - Water Conserv I WRF FLA010816	5.39	13.30	0.44	0.00	13.20	0.06	0.00	0.00	0.04	0.00	0.00	0.00	0.00
	RCID WRF FLA108219	11.26	11.31	0.05	0.00	0.00	0.75	0.00	0.00	5.80	0.00	3.22	0.00	1.54
	SFWMD Orange County Total	**54.82**	**63.68**	**3.96**	**0.00**	**37.77**	**5.20**	**0.00**	**0.31**	**14.83**	**0.00**	**4.04**	**0.00**	**1.54**
Orange - SJRWMD	Apopka WRF - Project Arrow FLA010818	2.92	6.54	2.06	0.00	4.30	0.00	0.00	0.00	0.00	0.00	0.04	0.00	2.21
	Fairways Country Club WWTF FLA010823	0.14	0.14	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Gulfstream Harbor WWTF FLA010835	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
	Ocoee, City of – WWTF FLA010815	1.70	4.14	0.00	0.00	4.00	0.04	0.00	0.10	0.00	0.00	0.00	0.00	0.00
	Rock Springs MHP WWTF FLA010871	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
	Wedgefield WWTF FLA010900	0.22	0.22	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Winter Garden, City of – WWTF FL0020109	3.89	2.93	0.00	0.00	1.60	0.60	0.00	0.00	0.73	0.00	0.00	0.00	0.00
	Winter Park Estates WWTF FLA010819	0.51	0.27	0.00	0.00	0.13	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	OCUD - Eastern Regional WRF FL0038849	19.56	21.76	2.20	0.00	4.60	0.00	0.00	0.00	2.45	0.00	7.40	7.32	0.00
	OCUD - Northwest WRF FLA010798	5.96	5.99	0.00	0.00	2.19	0.00	0.00	0.00	0.74	0.00	0.00	3.03	0.03
	SJRWMD Orange County Total	**35.04**	**42.14**	**4.26**	**0.00**	**16.82**	**1.13**	**0.00**	**0.10**	**4.06**	**0.00**	**7.44**	**10.35**	**2.24**
CFWI Orange County Total		**89.86**	**105.82**	**8.22**	**0.00**	**54.59**	**6.33**	**0.00**	**0.41**	**18.89**	**0.00**	**11.48**	**10.35**	**.46**

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Table A-13a. 2020 Reuse flows and reuse categories by facility, county, and District in the CFWI Planning Area (continued).

County/ District	Facility Name and ID#	2020												
		Total WW Flows	Reuse CFWI	Supple-mental Flows	WW Disposal	Residential Irrigation/ Landscape	Golf Courses	Agriculture Irrigation	Spray Fields	Recharge / RIBS	IPR	Industrial	Wetlands	Other Reuse
Osceola - SFWMD	Good Samaritan – FLA010974	0.15	0.15	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TWA - South Bermuda WRF FLA010957	11.62	16.41	0.00	0.00	4.13	3.27	0.00	0.52	6.01	0.00	2.48	0.00	0.00
	TWA - Camelot WRF FLA010983	3.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	St Cloud - Southside WRFFLA010962	4.04	4.03	0.00	0.27	3.72	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TWA - Harmony WRF FLA267872	0.22	0.59	0.37	0.00	0.59	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
	TWA - Parkway WWTF FLA010960	1.03	1.03	0.00	0.00	0.37	0.18	0.00	0.00	0.48	0.00	0.00	0.00	0.00
	TWA - Sandhill Road WRF FLA010958	4.11	4.63	0.52	0.00	3.41	0.25	0.00	0.00	0.97	0.00	0.00	0.00	0.00
	TWA – Poinciana Reuse System - Osceola	0.00	2.00	0.00	0.00	1.69	0.08	0.00	0.00	0.23	0.00	0.00	0.00	0.00
	TWA - Cypress West WRF FLA109843	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SFWMD Osceola County Total	**27.49**	**28.84**	**0.89**	**0.27**	**13.97**	**4.18**	**0.00**	**0.52**	**7.70**	**0.00**	**2.48**	**0.00**	**0.00**
Polk - SFWMD	Avon Park Correctional Institute FL0040029	0.23	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Gold Coast Utility WWTF (Lakeshore Club) FLA110434	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00
	TWA – Poinciana Reuse System - Polk	0.00	2.00	0.00	0.00	1.69	0.08	0.00	0.00	0.23	0.00	0.00	0.00	0.00
	TWA - Lake Marion WRF FLA010979	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SFWMD Polk County Total	**2.80**	**2.10**	**0.00**	**0.23**	**1.69**	**0.08**	**0.00**	**0.10**	**0.23**	**0.00**	**0.00**	**0.00**	**0.00**

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Table A-13a. 2020 Reuse flows and reuse categories by facility, county, and District in the CFWI Planning Area (continued).

County/ District	Facility Name and ID#	2020												
		Total WW Flows	Reuse CFWI	Supple-mental Flows	WW Disposal	Residential Irrigation/ Landscape	Golf Courses	Agriculture Irrigation	Spray Fields	Recharge/ RIBS	IPR	Industrial	Wetlands	Other Reuse
Polk - SFWMD	Auburndale Regional WWTF FLA016559	1.77	1.50	0.00	0.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.50	0.00
	Auburndale, City of - Allred WWTF FL0021466	0.66	1.28	0.45	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.78	0.00	0.00
	Bartow City of WRF FLA012976	2.26	2.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.00	0.00
	Carefree RV Country Club FLA013093	0.02	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Cypress Lakes WWTF FLA013123	0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00
	Davenport, City of – WWTF FLA377392	0.15	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
	Polk Correctional Institution FLA013360	0.13	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00
	Dundee, Town of WWTF FLA180416	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00
	Fort Meade, City of FLA016529	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
	Frostproof City of WWTF FLA012983	1.98	1.66	0.00	0.00	0.20	0.60	0.00	0.25	0.61	0.00	0.00	0.00	0.00
	Haines City, City of FLA012977	1.77	1.50	0.00	0.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.50	0.00

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Table A-13a. 2020 Reuse flows and reuse categories by facility, county, and District in the CFWI Planning Area (continued).

County/ District	Facility Name and ID#	2020												
		Total WW Flows	Reuse CFWI	Supple-mental Flows	WW Disposal	Residential Irrigation/ Landscape	Golf Courses	Agriculture Irrigation	Spray Fields	Recharge/ RIBS	IPR	Industrial	Wetlands	Other Reuse
Polk – SWFWMD (continued)	Lake Alfred, City of FLA012975	0.68	0.68	0.00	0.00	0.00	0.00	0.00	0.63	0.05	0.00	0.00	0.00	0.00
	Lake Wales, City of FLA129844	1.15	1.25	0.00	0.00	0.34	0.26	0.04	0.04	0.57	0.00	0.00	0.00	0.00
	Lakeland, City of - Glendale WRF FL0039772	7.62	7.62	0.00	4.81	0.00	0.00	0.00	0.00	0.00	0.00	7.62	0.00	0.00
	Lakeland, City of - Northside WWTF FLA012985	3.87	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00
	Streamsong FLA760838	0.02	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Mulberry, City of FL0020338	0.30	0.28	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00
	Outdoor Resorts at Orlando WWTF FLA011047	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
	Cardinal Hill (Polk City) WWTF FLA489093	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00
	Polk County - Northeast Regional WWTF FLA012967	3.50	3.98	0.60	0.00	3.44	0.23	0.00	0.00	0.31	0.00	0.00	0.00	0.00
	Polk County - Northwest Regional WWTF FLA178667	1.52	0.87	0.00	0.00	0.50	0.07	0.00	0.11	0.01	0.00	0.00	0.00	0.18

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Table A-13a. 2020 Reuse flows and reuse categories by facility, county, and District in the CFWI Planning Area (continued).

County/ District	Facility Name and ID#	2020												
		Total WW Flows	Reuse CFWI	Supple-mental Flows	WW Disposal	Residential Irrigation/ Landscape	Golf Courses	Agriculture Irrigation	Spray Fields	Recharge/ RIBS	IPR	Industrial	Wetlands	Other Reuse
Polk – SWFWMD (continued)	Polk County - Southwest Regional WWTF FLA012954	2.14	1.97	0.26	0.00	1.09	0.14	0.00	0.00	0.00	0.00	0.74	0.00	0.00
	Polk County – Waverly WWTF FLA012968	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
	Polk County Sun Ray WWTF FLA012949	0.36	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00
	Sweetwater Golf & Tennis Club FLA013082	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Swiss Golf Club FLA013103	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
	Swiss Village MHP FLA013102	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
	Cypress Lake WWTF – FLA013123	0.11	0.11	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grenelefe Resort Center - FLA013016	0.13	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00
	Winter Haven, City of - WWTP#2 FLA129747	1.25	1.28	0.00	0.00	0.81	0.27	0.10	0.00	0.00	0.00	0.10	0.00	0.00
	Winter Haven, City of - WWTP#3 FL0036048	4.06	0.01	0.00	4.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SWFWMD Polk County Total	**34.95**	**27.36**	**1.31**	**8.88**	**6.58**	**1.73**	**0.14**	**2.48**	**2.94**	**0.00**	**12.82**	**0.50**	**0.18**
CFWI Polk County Total			**37.75**	**29.46**	**1.31**	**9.11**	**8.27**	**1.81**	**0.14**	**2.58**	**3.17**	**0.00**	**12.82**	**0.50**

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Table A-13a. 2020 Reuse flows and reuse categories by facility, county, and District in the CFWI Planning Area (continued).

County/ District	Facility Name and ID#	2020												
		Total WW Flows	Reuse CFWI	Supple-mental Flows	WW Disposal	Residential Irrigation/ Landscape	Golf Courses	Agriculture Irrigation	Spray Fields	Recharge/ RIBS	IPR	Industrial	Wetlands	Other Reuse
Seminole-SJRWMD	Altamonte Springs Regional WRF FL0033251	7.03	9.13	0.35	0.00	7.33	0.00	0.00	0.00	0.00	0.00	0.31	0.00	1.49
	Casselberry, City of – WWTF FLA011066	0.73	0.99	0.19	0.00	0.75	0.13	0.00	0.00	0.11	0.00	0.00	0.00	0.00
	FGUA / Chuluota WWTF FLA011076	0.19	0.19	0.00	0.00	0.14	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
	Longwood / Shadow Hills WWTF FLA011105	0.38	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00
	Orlando - Iron Bridge Regional WRF FL0037966	22.08	20.36	0.00	2.06	4.71	0.00	0.00	0.00	0.00	0.00	0.00	15.65	0.00
	Oviedo WRF FLA011074	1.72	2.27	0.00	0.00	2.00	0.10	0.00	0.00	0.18	0.00	0.00	0.00	0.00
	Palm Valley MHP WWTF FLA011085	0.10	0.10	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
	Sanford, City of - North WWTF FL0020141	5.82	7.00	0.21	0.00	4.90	0.35	0.01	1.09	0.00	0.00	0.55	0.00	0.10
	Sanford-South WRF #2 FLA181714	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Seminole County - Yankee Lake WWTF FLA042625	2.32	4.77	0.13	0.00	4.20	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.01
	Seminole County - Greenwood Lakes WRF FLA011086	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Wekiva Hunt Club WWTP FL0036251	1.98	1.91	0.00	0.08	1.81	0.06	0.00	0.00	0.04	0.00	0.00	0.00	0.00
	Winter Springs, City of-East WWTF FLA011068	1.19	1.19	0.00	0.00	0.30	0.45	0.00	0.00	0.37	0.00	0.00	0.00	0.07
	Winter Springs, City of-West WWTF FLA011067	**1.09**	**1.09**	**0.00**	**0.00**	**0.22**	**0.70**	**0.00**	**0.00**	**0.13**	**0.00**	**0.00**	**0.00**	**0.04**
	SJRWMD Seminole County Total	**48.41**	**49.39**	**0.87**	**2.14**	**26.38**	**1.79**	**0.01**	**1.15**	**1.78**	**0.00**	**0.86**	**15.65**	**1.77**

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Table A-13b. Summary of 2020 Reuse flows and reuse categories by District in the CFWI Planning Area.

District Totals	2020												
	Total WW Flows	Reuse CFWI	Supple-mental Flows	WW Disposal	Residential Irrigation/ Landscape	Golf Courses	Agriculture Irrigation	Spray Fields	Recharge/ RIBS	IPR	Industrial	Wetlands	Other Reuse
SFWMD Totals	**85.12**	**94.62**	**4.85**	**0.51**	**53.43**	**9.46**	**0.00**	**0.92**	**22.76**	**0.00**	**6.52**	**0.00**	**1.54**
SJRWMD Totals	**93.46**	**106.30**	**5.74**	**3.03**	**50.34**	**3.45**	**0.70**	**1.56**	**11.35**	**0.00**	**8.32**	**26.00**	**4.33**
SWFWMD Totals	**34.95**	**27.36**	**1.31**	**8.88**	**6.58**	**1.73**	**0.14**	**2.48**	**2.94**	**0.00**	**12.82**	**0.50**	**0.18**
CFWI Total	**213.52**	**228.29**	**11.90**	**12.42**	**110.35**	**14.64**	**0.84**	**4.96**	**37.05**	**0.00**	**27.65**	**26.50**	**6.05**

Notes for **Tables A-13a and A-13b**.

1.) All values are shown in million gallons per day (mgd).

2.) 2020 information obtained from the Florida Department of Environmental Protection 2020 Reuse Inventory. Information was modified as a result of stakeholder feedback where appropriate.

3.) Differences between wastewater flows at treatment facilities and the sum of water reused and disposed from these facilities can exist due to the addition of post-treatment supplemental water (e.g., concentrate), transfer of flows between facilities, and in-facility processes that can lead to double counting of flows, and/or metering inaccuracies.

FGUA==Florida Government Utility Authority; IPR==indirect potable reuse; RCID==Reedy Creek Improvement District; RIBs==Rapid Infiltration Basins; TWA==Tohopekaliga Water Authority; WRF==water reclamation facility; WW==wastewater; WWTF==wastewater treatment facility.

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Table A-13c. 2020 estimates and 2045 projections for total service area population, septic population, and adjusted service area population by wastewater treatment facility, county, and district in the CFWI Planning Area.

County/ District	Facility Name and ID#	Total Service Area Population		Septic Population		Adjusted Service Area Population		2020-2045 Population Increase
		2020	2045	2020	2045	2020	2045	
Brevard (CFWI) SJRWMD	Cocoa Beach WWTP - FL0021105	216,976	264,817	0	0	216,976	264,817	47,841
	Cocoa-Cape Canaveral WRF - FL 0020541	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	SJRWMD Brevard (CFWI) County Total	**216,976**	**264,817**	**0**	**0**	**216,976**	**264,817**	**47,841**
Lake (CFWI) SJRWMD	Conserv II Distribution Center - Lake Co. - FLA010795	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Clerbrook RV & Golf Resort - FLA010538	2,747	2,772	0	0	2,747	2,772	25
	Clermont, City of - East - WWTF - FLA010515	36,070	53,648	3,016	3,431	33,055	50,217	17,162
	Groveland- Sunshine Parkway WWTF - FLA010656	N/A	N/A	0	0	N/A	N/A	N/A
	Groveland/Sampey Rd. - WWTF - FLA010513	16,315	28,072	5,842	7,062	10,472	21,010	10,538
	Lake Groves WWTF - FLA010630	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Minneola, City of WWTF - FLA356344	15,636	26,115	14,237	15,206	1,399	10,909	9,510
	Pine Island - FLA297631	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Southlake Utilities - FLA010634	7,044	13,462	2	2	7,042	13,460	6,418
	SJRWMD Lake (CFWI) County Total	**77,811**	**124,069**	**23,096**	**25,701**	**54,715**	**98,368**	**43,653**
Orange SFWMD	Conserv II Distribution Center - Orange Co. - FLA010795	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Orlando - Water Conserv II (McLeod Rd) - FLA010814	115,494	130,595	1,655	1,666	113,839	128,929	15,090
	OCUD - South WRF - FLA107972	271,184	436,745	8,368	11,066	262,817	425,679	162,862
	Orlando - Water Conserv I WRF - FLA010816	35,785	92,557	36	36	35,749	92,521	56,772
	RCID WRF - FLA108219	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	SFWMD Orange County Total	**422,464**	**659,896**	**10,059**	**12,768**	**412,405**	**647,128**	**234,724**

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Table A-13c. 2020 estimates and 2045 projections for total service area population, septic population, and adjusted service area population by wastewater treatment facility, county, and district in the CFWI Planning Area (continued).

County/District	Facility Name and ID#	Total Service Area Population		Septic Population		Adjusted Service Area Population		2020-2045 Population Increase
		2020	2045	2020	2045	2020	2045	
Orange - SJRWMD	Apopka WRF - Project Arrow - FLA010818	68,692	134,160	4,737	6,116	63,955	128,045	64,090
	Fairways Country Club WWTF - FLA010823	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Gulfstream Harbor WWTF - FLA010835	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Ocoee, City of - WWTF - FLA010815	31,729	47,744	3,021	3,506	28,709	44,237	15,529
	Rock Springs MHP WWTF - FLA010871	1,956	2,107	0	0	1,956	2,107	151
	Wedgefield WWTF - FLA010900	4,346	5,037	0	0	4,346	5,037	691
	Winter Garden, City of - WWTF - FL0020109	43,119	72,109	798	949	42,321	71,160	28,840
	Winter Park Estates WWTF - FLA010819	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	OCUD - Eastern Regional WRF - FL0038849	301,302	485,897	14,132	14,797	287,170	471,100	183,930
	OCUD - Northwest WRF - FLA010798	165,136	195,523	25,644	26,025	139,491	169,497	30,006
	SJRWMD Orange County Total	**616,281**	**942,577**	**48,333**	**51,394**	**567,948**	**891,183**	**323,235**
Orange County Total		**1,038,744**	**1,602,473**	**58,392**	**64,162**	**980,352**	**1,538,311**	**557,959**
Osceola - SFWMD	Good Samaritan - FLA010974	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	TWA - South Bermuda WRF - FLA010957	270,157	458,148	8,243	11,268	261,914	446,880	184,966
	TWA - Camelot WRF - FLA010983	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	St Cloud - Southside WRF - FLA010962	66,142	165,547	7,256	7,821	58,886	157,726	98,840
	TWA - Harmony WRF - FLA267872	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	TWA - Parkway WWTF - FLA010960	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	TWA - Sandhill Road WRF - FLA010958	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	TWA - Poinciana Reuse System - Osceola	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	TWA - Cypress West WRF - FLA109843	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	SFWMD Osceola County Total	**336,299**	**623,695**	**15,500**	**19,089**	**320,800**	**604,606**	**283,806**

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Table A-13c. 2020 estimates and 2045 projections for total service area population, septic population, and adjusted service area population by wastewater treatment facility, county, and district in the CFWI Planning Area (continued).

County/ District	Facility Name and ID#	Total Service Area Population		Septic Population		Adjusted Service Area Population		2020-2045 Population Increase
		2020	2045	2020	2045	2020	2045	
Polk - SFWMD	Avon Park Correctional Institute - FL0040029	1,485	1,503	0	0	1,485	1,503	18
	Gold Coast Utility WWTF (Lakeshore Club) - FLA110434	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	TWA - Poinciana Reuse System - Polk	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	TWA - Lake Marion WRF - FLA010979	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	TWA - Walnut Drive WRF - FL0036862	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	SFWMD Polk County Total	**4,485**	**1,503**	**0**	**0**	**1,485**	**1,503**	**18**
Polk - SWFWMD	Auburndale Regional WWTF - FLA016559	33,406	48,540	4,263	4,509	29,143	44,032	14,889
	Auburndale, City of - Allred WWTF - FL0021466	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Bartow City of WRF -FLA012976	24,706	33,842	1,308	1,446	23,397	32,396	8,998
	Carefree RV Country Club - FLA013093	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Davenport, City of - WWTF - FLA377392	5,581	10,785	4,125	4,522	1,457	6,263	4,806
	Polk Correctional Institution -FLA013360	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Dundee, Town of WWTF - FLA180416	4,721	8,753	1,271	1,306	3,450	7,448	3,998
	Fort Meade, City of - FLA016529	7,818	9,725	620	665	7,198	9,060	1,861
	Frostproof City of WWTF - FLA012983	3,861	5,201	316	356	3,545	4,845	1,300
	Haines City, City of - FLA012977	25,488	44,214	2,671	3,074	22,817	41,139	18,322
	Lake Alfred, City of - FLA012975	8,687	13,602	667	700	8,020	12,902	4,882
	Lake Wales, City of - FLA129844	23,453	35,391	2,251	2,443	21,203	32,948	11,746
	Lakeland, City of - Glendale WRF - FL0039772	85,171	105,476	6,809	8,280	78,362	97,196	18,834

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Table A-13c. 2020 estimates and 2045 projections for total service area population, septic population, and adjusted service area population by wastewater treatment facility, county, and district in the CFWI Planning Area (continued).

County/ District	Facility Name and ID#	Total Service Area Population		Septic Population		Adjusted Service Area Population		2020-2045 Population Increase
		2020	2045	2020	2045	2020	2045	
Polk – SWFWMD (continued)	Streamsong - FLA760838	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Mulberry, City of - FL0020338	4,288	5,796	212	224	4,076	5,572	1,497
	Outdoor Resorts at Orlando WWTF - FLA011047	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Cardinal Hill (Polk City) WWTF - FLA489093	437	505	56	57	381	448	67
	Polk County - Northeast Regional WWTF - FLA012967	36,684	59,147	777	886	35,908	58,261	22,353
	Polk County - Northwest Regional WWTF - FLA178667	41,263	61,914	34,223	41,401	7,040	20,513	13,473
	Polk County - Southwest Regional WWTF - FLA012954	51,598	70,132	38,932	41,440	12,666	28,691	16,025
	Polk County - Waverly WWTF - FLA012968	714	1,075	128	129	586	945	359
	Polk County Sun Ray WWTF - FLA012949	465	504	55	56	410	448	38
	Sweetwater Golf & Tennis Club - FLA013082	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Swiss Golf Club - FLA013103	1,359	1,382	0	0	1,359	1,382	22
	Swiss Village MHP - FLA013102	1,649	1,732	0	0	1,649	1,732	83
	Cypress Lakes WWTF - FLA013123	2,778	2,882	0	0	2,778	2,882	104
	Grenelefe Resort Center - FLA013016	2,269	2,295	0	0	2,269	2,295	26
	Winter Haven, City of - WWTP #2 - FLA129747	75,028	99,747	5,340	6,006	69,688	93,740	24,052
	Winter Haven, City of - WWTP#3 - FL0036048	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	SWFWMD Polk County Total	**481,869**	**674,150**	**106,843**	**120,467**	**375,025**	**553,682**	**178,657**
Polk County Total		**483,353**	**675,652**	**106,843**	**120,467**	**376,510**	**555,185**	**178,675**

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Table A-13c. 2020 estimates and 2045 projections for total service area population, septic population, and adjusted service area population by wastewater treatment facility, county, and district in the CFWI Planning Area (continued).

County/ District	Facility Name and ID#	Total Service Area Population		Septic Population		Adjusted Service Area Population		2020-2045 Population Increase
		2020	2045	2020	2045	2020	2045	
Seminole SJRWMD	Altamonte Springs Regional WRF - FL0033251	62,026	70,286	2,885	3,025	59,141	67,261	8,120
	Casselberry, City of - WWTF - FLA011066	17,828	19,368	213	175	17,616	19,193	1,577
	FGUA/Chuluota WWTF - FLA011076	4,984	6,624	31	31	4,953	6,592	1,640
	Longwood/Shadow Hills WWTF - FLA011105	5,999	6,674	5	5	5,994	6,669	675
	Orlando - Iron Bridge Regional WRF - FL0037966	280,224	319,044	11,455	12,041	268,768	307,002	38,234
	Oviedo WRF - FLA011074	21,503	24,917	0	0	21,503	24,917	3,414
	Palm Valley MHP WWTF - FLA011085	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Sanford, City of - North WWTF - FL0020141	79,192	113,661	7,379	7,845	71,814	105,816	34,003
	Sanford - South WRF #2 - FLA181714	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Seminole County - Yankee Lake WWTF - FLA042625	35,946	56,998	3,091	3,816	32,854	53,182	20,328
	Seminole County - Greenwood Lakes WRF - FLA011086	19,669	24,454	976	1,641	18,693	22,813	4,120
	Wekiva Hunt Club WWTP - FL0036251	37,867	41,408	2,303	2,305	35,563	39,103	3,540
	Winter Springs, City of - East WWTF - FLA011068	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Winter Springs, City of - West WWTF - FLA011067	34,426	40,943	1,246	1,251	33,179	39,692	6,513
	SJRWMD Seminole County Total	**599,663**	**724,377**	**29,585**	**32,135**	**570,079**	**692,242**	**122,163**

Notes for **Table A-13c**.

MHP==mobile home park; RCID==Reedy Creek Improvement District; TWA==Tohopekaliga Water Authority; WRF==water reclamation facility; WWTF==wastewater treatment facility

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Table A-13d. Summary of 2020 estimates and 2045 projections of total service area population, septic population, and adjusted service area population by district in the CFWI Planning Area.

District Totals	Total Service Area Population		Septic Population		Adjusted Service Area Population		2020-2045 Population Increase
	2020	2045	2020	2045	2020	2045	
SFWMD Totals	760,248	1,285,094	25,559	31,857	734,689	1,253,237	518,548
SJRWMD Totals	1,510,731	2,055,840	101,014	109,230	1,409,717	1,946,610	536,893
SWFWMD Totals	481,869	674,150	106,843	120,467	375,025	553,682	178,657
CFWI Planning Area Totals	2,752,848	4,015,083	233,416	261,554	2,519,432	3,753,530	1,234,098

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Table A-13e. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by facility, county, and district in the CFWI Planning Area.

County/ District	Facility Name and ID	2020 Totals			2045 Projected Additional				2045 Projected Totals		
		WW Flows	Beneficial Reuse	Supple-mental Flows	WW Disposal	WW Flow Projection	Beneficial Reuse Projection @ 75%	Supple-mental Flows	Total WW Projection	Supple-mental Flows Projection	Beneficial Reuse Projection
Brevard (CFWI) SJRWMD	Cocoa Beach WWTP - FL0021105	3.89	3.24	0.00	0.89	3.32	2.49	0.00	7.21	0.00	5.73
	Cocoa-Cape Canaveral WRF - FL 0020541	0.01	0.00	0.00	0.00	N/A	N/A	0.00	0.01	0.00	0.00
	SJRWMD Brevard (CFWI) County Total	**3.90**	**3.24**	**0.00**	**0.89**	**3.32**	**2.49**	**0.00**	**7.22**	**0.00**	**5.73**
Lake (CFWI) SJRWMD	Conserv II Distribution Center - Lake Co. - FLA010795	0.00	5.18	0.00	0.00	N/A	N/A	0.00	0.00	0.00	5.18
	Clerbrook RV & Golf Resort - FLA010538	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04
	Clermont, City of - East - WWTF - FLA010515	3.08	3.44	0.36	0.00	1.19	0.89	0.00	4.27	0.36	4.33
	Groveland- Sunshine Parkway WWTF - FLA010656	0.52	0.43	0.23	0.00	N/A	N/A	0.00	0.52	0.23	0.43
	Groveland/Sampey Rd. - WWTF - FLA010513	0.74	0.76	0.02	0.00	0.73	0.55	0.00	1.47	0.02	1.30
	Lake Groves WWTF - FLA010630	0.60	0.56	0.00	0.00	N/A	N/A	0.00	0.60	0.00	0.56
	Minneola, City of WWTF - FLA356344	0.34	0.34	0.00	0.00	0.66	0.49	0.00	1.00	0.00	0.84
	Pine Island - FLA297631	0.01	0.01	0.00	0.00	N/A	N/A	0.00	0.01	0.00	0.01
	Southlake Utilities - FLA010634	0.79	0.79	0.00	0.00	0.45	0.33	0.00	1.23	0.00	1.12
	SJRWMD Lake (CFWI) County Total	**6.11**	**11.53**	**0.61**	**0.00**	**3.03**	**2.27**	**0.00**	**9.13**	**0.61**	**13.80**

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Table A-13e. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by facility, county, and district in the CFWI Planning Area (continued).

County/ District	Facility Name and ID	2020 Totals			2045 Projected Additional				2045 Projected Totals		
		WW Flows	Beneficial Reuse	Supple-mental Flows	WW Disposal	WW Flow Projection	Beneficial Reuse Projection @ 75%	Supple-mental Flows	Total WW Projection	Supple-mental Flows Projection	Beneficial Reuse Projection
Orange - SFWMD	Conserv II Distribution Center - Orange Co. - FLA010795	0.00	26.81	3.47	0.00	N/A	N/A	0.00	0.00	3.47	26.81
	Orlando - Water Conserv II (McLeod Rd) - FLA010814	14.20	3.63	0.00	0.00	1.05	0.78	0.00	15.24	0.00	4.42
	OCUD - South WRF - FLA107972	23.98	8.63	0.00	0.00	11.29	8.47	1.05	35.27	1.05	18.15
	Orlando - Water Conserv I WRF - FLA010816	5.39	13.30	0.44	0.00	3.94	2.95	0.88	9.33	1.32	17.13
	RCID WRF - FLA108219	11.26	11.31	0.05	0.00	N/A	N/A	0.00	11.26	0.05	11.31
	SFWMD Orange County Total	**54.82**	**63.68**	**3.96**	**0.00**	**16.28**	**12.21**	**1.93**	**71.10**	**5.89**	**77.81**

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Table A-13e. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by facility, county, and district in the CFWI Planning Area (continued).

County/ District	Facility Name and ID	2020 Totals			2045 Projected Additional				2045 Projected Totals		
		WW Flows	Beneficial Reuse	Supple-mental Flows	WW Disposal	WW Flow Projection	Beneficial Reuse Projection @ 75%	Supple-mental Flows	Total WW Projection	Supple-mental Flows Projection	Beneficial Reuse Projection
Orange- SJRWMD	Apopka WRF - Project Arrow - FLA010818	2.92	6.54	2.06	0.00	4.44	3.33	0.00	7.36	2.06	9.88
	Fairways Country Club WWTF - FLA010823	0.14	0.14	0.00	0.00	N/A	N/A	0.00	0.14	0.00	0.14
	Gulfstream Harbor WWTF - FLA010835	0.04	0.04	0.00	0.00	N/A	N/A	0.00	0.04	0.00	0.04
	Ocoee, City of - WWTF - FLA010815	1.70	4.14	0.00	0.00	1.08	0.81	0.00	2.78	0.00	4.95
	Rock Springs MHP WWTF - FLA010871	0.10	0.10	0.00	0.00	0.01	0.01	0.00	0.11	0.00	0.11
	Wedgefield WWTF - FLA010900	0.22	0.22	0.00	0.00	0.05	0.04	0.00	0.27	0.00	0.26
	Winter Garden, City - WWTF - FL0020109	3.89	2.93	0.00	0.00	2.00	1.50	0.00	5.89	0.00	4.43
	Winter Park Estates WWTF - FLA010819	0.51	0.27	0.00	0.00	N/A	N/A	0.00	0.51	0.00	0.27
	OCUD - Eastern Regional WRF - FL0038849	19.56	21.76	2.20	0.00	12.76	9.57	0.00	32.32	2.20	31.33
	OCUD - Northwest WRF - FLA010798	5.96	5.99	0.00	0.00	2.08	1.56	0.00	8.04	0.00	7.55
	SJRWMD Orange County Total	**35.04**	**42.14**	**4.26**	**0.00**	**22.42**	**16.81**	**0.00**	**57.46**	**4.26**	**58.95**
Orange County Total		**89.86**	**105.82**	**8.22**	**0.00**	**38.69**	**29.02**	**1.93**	**128.56**	**10.15**	**136.77**

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Table A-13e. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by facility, county, and district in the CFWI Planning Area (continued).

County/ District	Facility Name and ID	2020 Totals			2045 Projected Additional				2045 Projected Totals		
		WW Flows	Beneficial Reuse	Supple-mental Flows	WW Disposal	WW Flow Projection	Beneficial Reuse Projection @ 75%	Supple-mental Flows	Total WW Projection	Supple-mental Flows Projection	Beneficial Reuse Projection
Osceola- SFWMD	Good Samaritan - FLA010974	0.15	0.15	0.00	0.00	N/A	N/A	0.00	0.15	0.00	0.15
	TWA - South Bermuda WRF - FLA010957	11.62	16.41	0.00	0.00	12.83	9.62	8.50	24.44	8.50	34.53
	TWA - Camelot WRF - FLA010983	3.53	0.00	0.00	0.00	N/A	N/A	0.00	3.53	0.00	0.00
	St Cloud - Southside WRF - FLA010962	4.04	4.03	0.00	0.27	6.85	5.14	0.00	10.89	0.00	9.17
	TWA - Harmony WRF - FLA267872	0.22	0.59	0.37	0.00	N/A	N/A	0.00	0.22	0.37	0.59
	TWA - Parkway WWTF - FLA010960	1.03	1.03	0.00	0.00	N/A	N/A	0.00	1.03	0.00	1.03
	TWA - Sandhill Road WRF - FLA010958	4.11	4.63	0.52	0.00	N/A	N/A	0.00	4.11	0.52	4.63
	TWA - Poinciana Reuse System - Osceola	0.00	2.00	0.00	0.00	N/A	N/A	0.00	0.00	0.00	2.00
	TWA - Cypress West WRF - FLA109843	2.80	0.00	0.00	0.00	N/A	N/A	0.00	2.80	0.00	0.00
	SFWMD Osceola County Total	**27.49**	**28.84**	**0.89**	**0.27**	**19.68**	**14.76**	**8.50**	**47.17**	**9.39**	**52.10**
Polk - SFWMD	Avon Park Correctional Institute - FL0040029	0.23	0.00	0.00	0.23	0.00	0.00	0.00	0.23	0.00	0.00
	Gold Coast Utility WWTF (Lakeshore Club) - FLA110434	0.10	0.10	0.00	0.00	N/A	N/A	0.00	0.10	0.00	0.10
	TWA - Poinciana Reuse System - Polk	0.00	2.00	0.00	0.00	N/A	N/A	0.00	0.00	0.00	2.00
	TWA - Lake Marion WRF - FLA010979	1.67	0.00	0.00	0.00	N/A	N/A	0.00	1.67	0.00	0.00
	TWA - Walnut Drive WRF - FL0036862	0.81	0.00	0.00	0.00	N/A	N/A	0.00	0.81	0.00	0.00
	SFWMD Polk County Total	**2.80**	**2.10**	**0.00**	**0.23**	**0.00**	**0.00**	**0.00**	**2.80**	**0.00**	**2.10**

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Table A-13e. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by facility, county, and district in the CFWI Planning Area (continued).

County/ District	Facility Name and ID	2020 Totals				2045 Projected Additional			2045 Projected Totals		
		WW Flows	Beneficial Reuse	Supple-mental Flows	WW Disposal	WW Flow Projection	Beneficial Reuse Projection @ 75%	Supple-mental Flows	Total WW Projection	Supple-mental Flows Projection	Beneficial Reuse Projection
Polk - SWFWMD	Auburndale Regional WWTF - FLA016559	1.77	1.50	0.00	0.00	1.03	0.77	0.00	2.80	0.00	2.27
	Auburndale, City of - Allred WWTF -FL0021466	0.66	1.28	0.45	0.00	N/A	N/A	0.00	0.66	0.45	1.28
	Bartow City of WRF - FLA012976	2.26	2.26	0.00	0.00	0.62	0.47	0.00	2.88	0.00	2.73
	Carefree RV Country Club - FLA013093	0.02	0.02	0.00	0.00	N/A	N/A	0.00	0.02	0.00	0.02
	Davenport, City of - WWTF - FLA377392	0.25	0.25	0.00	0.00	0.33	0.25	0.00	0.58	0.00	0.50
	Polk Correctional Institution -FLA013360	0.15	0.15	0.00	0.00	N/A	N/A	0.00	0.15	0.00	0.15
	Dundee, Town of WWTF - FLA180416	0.13	0.13	0.00	0.00	0.28	0.21	0.00	0.41	0.00	0.34
	Fort Meade, City of - FLA016529	0.50	0.50	0.00	0.00	0.13	0.10	0.00	0.63	0.00	0.60
	Frostproof City of WWTF - FLA012983	0.14	0.14	0.00	0.00	0.09	0.07	0.00	0.23	0.00	0.21
	Haines City, City of - FLA012977	1.98	1.66	0.00	0.00	1.27	0.95	0.00	3.25	0.00	2.61
	Lake Alfred, City of - FLA012975	0.68	0.68	0.00	0.00	0.34	0.25	0.00	1.02	0.00	0.93
	Lake Wales, City of - FLA129844	1.15	1.25	0.00	0.00	0.81	0.61	0.00	1.96	0.00	1.86
	Lakeland, City of - Glendale WRF - FL0039772	7.62	7.62	0.00	4.81	1.31	0.98	0.00	8.93	0.00	8.60
	Lakeland, City of - Northside WWTF - FLA012985	3.87	0.54	0.00	0.00	0.76	0.57	0.00	4.63	0.00	1.11
	Streamsong - FLA760838	0.02	0.02	0.00	0.00	N/A	N/A	0.00	0.02	0.00	0.02

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Table A-13e. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by facility, county, and district in the CFWI Planning Area (continued).

County/ District	Facility Name and ID	2020 Totals				2045 Projected Additional			2045 Projected Totals		
		WW Flows	Beneficial Reuse	Supple-mental Flows	WW Disposal	WW Flow Projection	Beneficial Reuse Projection @ 75%	Supple-mental Flows	Total WW Projection	Supple-mental Flows Projection	Beneficial Reuse Projection
Polk - SWFWMD	Mulberry, City of - FL0020338	0.30	0.28	0.00	0.02	0.10	0.08	0.00	0.40	0.00	0.36
	Outdoor Resorts at Orlando WWTF - FLA011047	0.12	0.12	0.00	0.00	N/A	N/A	0.00	0.12	0.00	0.12
	Cardinal Hill (Polk City) WWTF - FLA489093	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.14
	Polk County - Northeast Regional WWTF - FLA012967	3.50	3.98	0.60	0.00	1.55	1.16	0.00	5.05	0.60	5.14
	Polk County - Northwest Regional WWTF - FLA178667	1.52	0.87	0.00	0.00	0.93	0.70	0.00	2.45	0.00	1.57
	Polk County - Southwest Regional WWTF - FLA012954	2.14	1.97	0.26	0.00	1.11	0.83	0.00	3.25	0.26	2.80
	Polk County - Waverly WWTF - FLA012968	0.04	0.04	0.00	0.00	0.02	0.02	0.00	0.06	0.00	0.06
	Polk County Sun Ray WWTF - FLA012949	0.36	0.36	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.36
	Sweetwater Golf & Tennis Club - FLA013082	0.01	0.01	0.00	0.00	N/A	N/A	0.00	0.01	0.00	0.01
	Swiss Golf Club - FLA013103	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04
	Swiss Village MHP - FLA013102	0.03	0.03	0.00	0.00	0.01	0.00	0.00	0.04	0.00	0.03
	Cypress Lakes WWTF - FLA013123	0.11	0.11	0.00	0.00	0.01	0.01	0.00	0.12	0.00	0.12
	Grenelefe Resort Center - FLA013016	0.13	0.13	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.13
	Winter Haven, City of - WWTP #2 - FLA129747	1.25	1.28	0.00	0.00	1.67	1.25	0.00	2.92	0.00	2.53
	Winter Haven, City of - WWTP#3 - FL0036048	4.06	0.01	0.00	4.05	N/A	N/A	0.00	4.06	0.00	0.01
SWFWMD Polk County Total		**34.95**	**27.36**	**1.31**	**8.88**	**12.39**	**9.29**	**0.00**	**47.34**	**1.31**	**36.66**
Polk County Total		**37.75**	**29.46**	**1.31**	**9.11**	**12.39**	**9.29**	**0.00**	**50.14**	**1.31**	**38.76**

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Table A-13e. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by facility, county, and district in the CFWI Planning Area (continued).

County/ District	Facility Name and ID	2020 Totals				2045 Projected Additional			2045 Projected Totals		
		WW Flows	Beneficial Reuse	Supple-mental Flows	WW Disposal	WW Flow Projection	Beneficial Reuse Projection @ 75%	Supplement al Flows	Total WW Projection	Supple-mental Flows Projection	Beneficial Reuse Projection
Seminole - SJRWMD	Altamonte Springs Regional WRF - FL0033251	7.03	*9.13*	0.35	0.00	0.56	0.42	1.85	7.59	2.20	11.40
	Casselberry, City of - WWTF - FLA011066	0.73	0.99	0.19	0.00	0.11	0.08	0.36	0.84	0.55	1.44
	FGUA/Chuluota WWTF - FLA011076	0.19	0.19	0.00	0.00	0.11	0.09	0.00	0.30	0.00	0.28
	Longwood/Shadow Hills WWTF - FLA011105	0.38	0.38	0.00	0.00	0.05	0.04	0.00	0.43	0.00	0.42
	Orlando - Iron Bridge Regional WRF - FL0037966	22.08	20.36	0.00	2.06	2.65	1.99	0.00	24.73	0.00	22.35
	Oviedo WRF - FLA011074	1.72	2.27	0.00	0.00	0.24	0.18	0.00	1.95	0.00	2.45
	Palm Valley MHP WWTF - FLA011085	0.10	0.10	0.00	0.00	N/A	N/A	0.00	0.10	0.00	0.10
	Sanford, City of - North WWTF - FL0020141	5.82	7.00	0.21	0.00	2.36	1.77	2.00	8.18	2.21	10.76
	Sanford - South WRF #2 - FLA181714	1.52	0.00	0.00	0.00	N/A	N/A	0.00	1.52	0.00	0.00
	Seminole County - Yankee Lake WWTF - FLA042625	2.32	4.77	0.13	0.00	1.41	1.06	0.00	3.73	0.13	5.83
	Seminole County - Greenwood Lakes WRF - FLA011086	2.27	0.00	0.00	0.00	0.29	0.21	0.00	2.56	0.00	0.21
	Wekiva Hunt Club WWTP - FL0036251	1.98	1.91	0.00	0.08	0.25	0.18	0.00	2.23	0.00	2.09
	Winter Springs, City of - East WWTF - FLA011068	1.19	1.19	0.00	0.00	N/A	N/A	0.02	1.19	0.02	1.21
	Winter Springs, City of - West WWTF - FLA011067	1.09	1.09	0.00	0.00	0.45	0.34	0.00	1.54	0.00	1.43
SJRWMD Seminole County Total		**48.41**	**49.39**	**0.87**	**2.14**	**8.47**	**6.35**	**4.23**	**56.89**	**5.10**	**59.97**

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Table A-13f. 2020, 2045 projected additional, and 2045 projected total flows for wastewater, beneficial reuse, and supplemental flows by district in the CFWI Planning Area.

District Totals	2020 Totals				2045 Projected Additional			2045 Projected Totals		
	WW Flows	Beneficial Reuse	Supple-mental Flows	WW Disposal	WW Flow Projection	Beneficial Reuse Projection @ 75%	Supple-mental Flows	Total WW Projection	Supple-mental Flows Projection	Beneficial Reuse Projection
SFWMD Totals	**85.12**	**94.62**	**4.85**	**0.51**	**35.96**	**26.97**	**10.43**	**121.08**	**15.28**	**132.02**
SJRWMD Totals	**93.46**	**106.30**	**5.74**	**3.03**	**37.23**	**27.93**	**4.23**	**130.69**	**9.97**	**138.46**
SWFWMD Totals	**34.95**	**27.36**	**1.31**	**8.88**	**12.39**	**9.29**	**0.00**	**47.34**	**1.31**	**36.66**
CFWI Planning Area Totals	**213.52**	**228.29**	**11.90**	**12.42**	**85.58**	**64.19**	**14.66**	**299.11**	**26.56**	**307.13**

Notes for **Tables A-13c through A-13f.**

1.) All values are shown in millions of gallons per day (mgd).

2.) 2020 information obtained from FDEP 2020 Reuse Inventory. Information was modified as a result of stakeholder feedback where appropriate (FDEP 2021).

3.) Differences between wastewater flows at treatment facilities and the sum of water reused and disposed from these facilities can exist due to the addition of post-treatment supplemental water (e.g., concentrate), transfer of flows between facilities, in-facility processes etc. that can lead to double counting of flows, and/or metering inaccuracies.

FGUA==Florida Government Utility Authority; RCID==Reedy Creek Improvement District; TWA== Tohopekaliga Water Authority; WRF==water reclamation authority; WWTF==wastewater treatment facility; WW==wastewater

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Water Conservation

INTRODUCTION

This Appendix contains information on the methodology and data used to estimate water conservation savings for the various water use categories discussed in **Chapter 5**. In general, the same methodology employed for the 2020 Central Florida Water Initiative (CFWI) Regional Water Supply Plan (RWSP) was used for this 2025 CFWI RWSP.

METHODOLOGY

Public Supply - Passive Water Conservation Savings

Passive water conservation projections were developed at the county level using the Alliance for Water Efficiency's Water Conservation Tracking Tool Version 3 (AWE Tool). Modern plumbing codes, which took effect in 1994 for toilets and showerheads, and appliance standards for dishwashers (2010) and clothes washers (2011) are the major drivers of passive water conservation savings quantified by the AWE Tool. Information used by the AWE Tool was gathered from property appraiser databases and the Bureau of Economic and Business Research (BEBR). Estimates originally included both Public Supply (PS) and Domestic Self-Supply (DSS). Refer to the DSS methodology below for a description of how they were separated.

Property appraiser data were used to determine the number of homes (single family and multi-family) that were built pre-1994 as well as those existing in 2020. The parcel use descriptions selected for the analysis were: condominiums, mobile homes, single family, multi-family with 10 units or more, and multi-family with less than 10 units.

The AWE Tool in part uses the 1990 population for calculating passive water conservation. Population by county for 1990 was obtained from BEBR except for Lake County and the City of Cocoa. To be consistent with the 2020 CWFI RWSP, Lake County's 1990 served population of 23,875 was maintained; however, the City of Cocoa's 1990 population was changed due to a revised service area boundary. The 2020 CFWI RWSP established for the City of Cocoa that for each pre-1994 home there were 2.75 people present in 1990; therefore, this ratio was applied to the new pre-1994 housing count using the revised service area boundary. With this update, it was estimated that the 1990 population for the City of Cocoa increased from 152,395 to 171,061. County-level 2020 persons per household was obtained from BEBR. It was assumed the City of Cocoa persons per household was equal to the BEBR Brevard County average.

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The AWE Tool calculates passive water conservation savings for toilets, shower heads, clothes washers, and dishwashers. There are two components in the AWE Tool's passive water conservation savings calculation:

- Natural Replacement Savings: Accounts for water savings that occur because of the natural fixture and appliance replacements during the planning horizon. This occurs as older devices reach the end of their service lives or are otherwise replaced by newer, more efficient models. For example, the AWE Tool assumes an annual replacement rate of 4 percent for toilets (25-year life), 12 percent for showerheads (8-year life), 7.1 percent for clothes washers (14-year life), and 6.7 percent for dishwashers (15-year life).
- Water Savings Adjustment Factor: Newer homes built over the planning horizon are more efficient in their indoor water use than existing older homes. When newer homes are combined with existing homes, the ratio of high efficiency to low efficiency fixtures and appliances will increase as compared to the ratio in the 2020 baseline.
- To calculate passive water conservation savings for the CFWI Planning Area using available data from utilities, data inputs in the AWE Tool were adjusted as follows:
- The lower efficiency toilet and showerhead stock available for replacement was reduced from the total property appraiser database value to account for the reported number of toilets and showerheads replaced by utility retrofit programs. To determine whether the rebated fixtures should be subtracted from the 1994 or 2020 stock, the midpoint year was calculated as 2009 (the midpoint between 1994 and 2019). For the 2020 CFWI RWSP, this midpoint was 2007. Considering that additional rebated toilets (post-2019) were replaced from District-funded projects for some counties, it was assumed that most of these toilet replacements occurred after 2009. This is similar to the 2020 CFWI RWSP, which also assumed that most toilet replacements occurred after the midpoint year. The number of retrofitted toilets were therefore subtracted from the theoretically available toilet inventory that existed in 2020. Conversely, the 2020 CFWI RWSP reported that most showerhead replacement programs occurred before the midpoint year (2007). To maintain consistent methodology, retrofitted showerheads were deducted equally from the 1994 and 2020 showerhead inventories.
- Savings per device for toilets remain at 20 gallons per day (gpd).
- Savings per device for showerheads remain at 16.4 gpd. Of note, it was observed that the inventory for showerheads was depleted for most counties by the end of the planning horizon or earlier.
- The average number of bathrooms in single-family and multi-family residences were maintained from the 2020 CFWI RWSP at 1.82 and 1.47, respectively.

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The PS passive water conservation savings estimated by county are presented in **Table B-1**.

Table B-1. Public supply passive water conservation by county in the CFWI Planning Area.

County/City	Percentage of Homes Built pre-1994	Natural Replacement Savings (mgd)	Water Savings Adjustment Factor (mgd)	Total Passive Water Conservation Projection (mgd)
Cocoa	62%	0.89	0.17	1.07
Lake	19%	0.38	0.15	0.53
Orange	51%	4.03	1.47	5.50
Osceola	33%	0.99	0.39	1.38
Polk	57%	2.28	1.02	3.30
Seminole	64%	1.61	0.39	2.00
CFWI Total	**N/A**	**10.18**	**3.59**	**13.78**

Public Supply - Active Water Conservation

The active water conservation projections were based on historical water savings data from existing water conservation programs as originally documented in the CFWI Conservation Implementation Strategy. The savings rate (9.8 mgd for the 10-year period or 0.98 mgd per year average) documented in the 2020 CFWI RWSP was used as the starting point of this 2025 CFWI RWSP projection. For this 2025 CFWI RWSP, two methods were used to create a range of projected active water conservation savings.

- The first method, using a constant rate, was based on the historical savings rates from 12 PS utilities that reported their water conservation efforts and was applied to all remaining PS utilities along with water conservation savings achieved through District cost-share projects. Under this assumption, the historic water conservation savings rate of 0.98 million gallons per day (mgd) per year (4.89 mgd per 5 years) would be maintained through the 20-year planning horizon. This method resulted in 24.4 mgd for projected savings.
- The second method, water demand adjusted, assumed that the calculated water conservation savings rate (0.98 mgd per year) would increase through the 20-year planning horizon proportional to water demand growth. To avoid duplication with the projected passive water conservation savings, demand reductions due to the higher efficiency of new construction from the AWE Tool (the water savings adjustment factor) were subtracted from the estimated water conservation savings. This method resulted in water conservation savings of 23.17 mgd.

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These calculations are summarized in **Table B-2**.

Table B-2. Public supply projected active water conservation savings in the Central Florida Water Initiative Planning Area.

Years	Constant Rate Method (mgd)	Average Water Demand Growth	Water Demand Multiplier (mgd)	AWE Adjustment Factor Deductions (mgd)	Water Demand Adjusted Method (mgd)
2020-2025	4.885	23.14%	6.01	(1.09)	4.92
2025-2030	4.885	9.63%	5.35	(0.80)	4.55
2030-2035	4.885	6.33%	5.19	(0.65)	4.54
2035-2040	4.885	5.22%	5.13	(0.56)	4.57
2040-2045	4.885	4.5%	5.10	(0.51)	4.59
2020-2045 Total	**24.43**	**-**	**26.78**	**(3.60)**	**23.17**

Notes: AWE==Alliance for Water Efficiency

The range of total PS projected water conservation savings is summarized in **Table B-3**.

Table B-3. Total public supply projected water conservation savings in the Central Florida Water Initiative Planning Area by 2045.

Type	Low Estimate (mgd)	High Estimate (mgd)
Passive Water Conservation	13.78	13.78
Active Water Conservation	23.17	24.43
Total	**36.95**	**38.21**

Agriculture

The 2020 CFWI RWSP used an annual rate of water conservation savings (0.17 mgd/per year). Using this estimate, potential water conservation savings of 4.19 mgd was calculated through 2045. The Florida Department of Agriculture and Consumer Services' (FDACS) annual Florida Statewide Agricultural Irrigation Demand (FSAID) IX Report publishes agricultural (AG) water demand projections and estimates of conservation. Section 373.709(2)(a)1.b., Florida Statutes (F.S.), directs that the St. Johns River Water Management District (SJRWMD), the South Florida Water Management District (SFWMD), and the Southwest Florida Water Management District (SWRWMD) (collectively referred to as the Districts) must take into consideration AG projections made by FDACS during the planning process. The FSAID IX Report projects that a water conservation savings of 7.17 mgd is possible. The range of potential AG water conservation through 2045 is estimated to be between 4.19 mgd and 7.17 mgd.

Domestic Self-Supply

In developing the passive water conservation savings projection discussed above, the AWE Tool provided county-level data, which was then proportioned to PS and DSS based on the population projections for 2045 (**Table B-4**). For example, Orange County's total population in 2045 (PS plus DSS) is projected to be 1,938,111, and the DSS population is projected to be 30,189 which equates to 1.6 percent of the total county population. Therefore, 1.6 percent of the passive water conservation savings that were calculated for Orange County were assigned

to the DSS water use category and 98.4 percent was assigned to the PS water use category. Based on this methodology, the projection for DSS water conservation savings is 0.43 mgd by 2045.

Table B-4. Domestic self-supply water conservation savings by county in the Central Florida Water Initiative Planning Area.

County/City	Natural Replacement Savings (mgd)	Water Savings Adjustment Factor (mgd)	Total Passive Water Conservation Projection (mgd)
Cocoa	0.00	0.00	0.00
Lake	0.02	0.01	0.03
Orange	0.06	0.02	0.09
Osceola	0.03	0.01	0.03
Polk	0.15	0.07	0.21
Seminole	0.07	0.02	0.08
Total	**0.33**	**0.13**	**0.43**

Rounding errors account for nominal discrepancies.

Landscape/Recreational Self-Supply

Water conservation for landscape and recreation uses can be achieved with measures such as converting sprinkler heads into more efficient models, pressure regulation, and replacement of traditional irrigation controllers with smart irrigation controllers using soil moisture sensor or weather-based data. Research from the University of Florida shows that such activities can yield savings in the range of 10 to 20 percent (Boyer and Dukes 2015). A conservative estimate of 10 percent savings was used for efficient sprinkler head conversions. For advanced controllers, a range of savings was reported (Davis and Dukes 2015a, b) and a conservative savings rate of 20 percent was used. Assuming a 2045 projected water demand of 38.72 mgd and a conservative 15 percent volumetric participation rate applied to water demands, the combined water conservation savings from these measures is 1.74 mgd.

Commercial/Industrial/Institutional and Power Generation Self-Supply

The water conservation savings estimates for the Commercial/Industrial/Institutional (CII) and Power Generation (PG) water use categories are combined. During development of the Conservation Implementation Strategy (CFWI 2019), an annual savings rate was calculated from the water conservation savings observed in both the CII and PG water use categories. The observed savings from 2010-2019 for these two categories was 1.76 mgd, resulting in a rate of water conservation of 0.18 mgd/year for these water use categories. This rate was projected from the base demand year (2020) and resulted in 4.5 mgd of water conservation savings by 2045 (this is considered the upper estimate of water conservation savings for these water use categories).

To create a lower estimate of water conservation savings, a 15 percent savings rate was applied to the CII water demand, along with a 15 percent volumetric participation rate. This applied savings rate was derived from Dziegielewski, et al. (2000), who observed audit-driven water efficiency improvements at commercial and institutional facilities ranging from 15 to 50 percent, with 15 to 35 percent being typical.

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Although the total 2045 water demand for these two water use categories is 75.77 mgd, the lower water conservation savings projection was calculated using the CII water demand projection of 66.19 mgd, since the Dziegielewski study only evaluated the effectiveness of audits at commercial and institutional facilities and did not evaluate the effectiveness of audits on PG processes. The potential water conservation savings was estimated to be 1.49 mgd by 2045.

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C

Minimum Flows and Minimum Water Levels and Water Reservations

INTRODUCTION

Appendix C summarizes information on minimum flows and minimum water levels (MFLs), MFL prevention or recovery strategies, and water reservations within or associated with the Central Florida Water Initiative (CFWI) Planning Area. The use of MFLs and MFL-related environmental criteria for evaluating potential impacts associated with groundwater withdrawals in the planning area is also described.

Statutory and Regulatory Framework for Minimum Flows and Minimum Water Levels and Water Reservations

Section 373.042 of the Florida Statutes (F.S.) requires the Florida Department of Environmental Protection (FDEP) or the water management districts to establish minimum flows for surface water bodies and MFLs for surface and groundwater (**Table C-1**). MFLs represent the flow limit for a given surface water body, or level of surface or groundwater at which further withdrawals would be significantly harmful to the water resources or ecology of the area. MFLs are adopted by administrative rule for priority water bodies and calculated using the best information available.

At the time, a MFL is adopted or revised, if a water body is below or projected to fall below the MFL within 20 years, the St. Johns River Water Management District (SJRWMD), South Florida Water Management District (SFWMD), and the Southwest Florida Water Management District (SWFWMD) (collectively referred to as Districts) or FDEP shall adopt or modify and implement a recovery or prevention strategy (Section 373.0421, F.S.). The goal of a recovery strategy is to achieve the adopted MFL as soon as practicable while the goal of a prevention strategy is to prevent a priority water body's existing flows or water levels from falling below the established MFL. A recovery or prevention strategy must include a phased-in approach or

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a timetable allowing for sufficient water supplies for all existing and projected reasonable-beneficial uses. This may include development of additional water supplies and/or implementation of water conservation to offset reductions in permitted withdrawals. In addition, a recovery or prevention strategy may not depend solely on declared water shortage restrictions.

The Southern Water Use Caution Area (SWUCA) Recovery strategy (Rule 80.074, Florida Administrative Code [F.A.C.], and SWFWMD 2006) is included in Chapter 40D-80, F.A.C., which describes the regulatory portions of the prevention or recovery strategies to achieve or protect, as applicable, MFLs established by the SWFWMD. The SWUCA Recovery strategy is applicable throughout much of the southern half of the SWFWMD, including the SWFWMD portion of the CFWI Planning Area.

Prevention or recovery strategies of the SJRWMD are included in reports and rules approved or adopted by the SJRWMD's Governing Board. Stakeholder outreach and development of the recovery or prevention strategy(ies) for Wekiva River Basin and Sylvan Lake MFLs has already begun. There are currently no other recovery or prevention strategies applicable to water bodies in the SJRWMD portion of the CFWI Planning Area.

Water reservation is a legal mechanism to set aside water from consumptive use for the protection of fish and wildlife or for public health and safety. A water reservation may be established in such locations and quantities, and for such seasons of the year, as may be required for the protection of fish and wildlife or for public health and safety (**Table C-1**).

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Table C-1. Summary of selected Florida Statutes and Florida Administrative Code Rules relevant to Minimum Flows and Minimum Water Levels and Reservations, including those established in the Central Florida Water Initiative Planning Area.

Florida Statutes	
Section 373.042, F.S.	Requires the FDEP or the state's water management districts to establish MFLs that represent the flow limit or level at which further withdrawals would be significantly harmful to the water resources or ecology of the area.
Section 373.0421, F.S.	Addresses establishment and implementation of MFLs, including the need for prevention or recovery strategies, if necessary, and inclusion of projects identified in a recovery or prevention strategy.
Section 373.0465, F.S.	Mandates the development and implementation of a single multidistrict RWSP including any needed prevention or recovery strategies. Requires adoption of uniform rules that must include existing strategies within the CFWI Planning Area before July 1, 2016.
Section 373.223(4), F.S.	Authorizes the state's water management districts or the FDEP to reserve water from use by permit applicants that may be required for the protection of fish and wildlife or public health and safety, subject to periodic review and revisions.
Florida Administrative Code	
Chapter 40C-2, F.A.C.	Implements the consumptive use permitting (CUP) program of the SJRWMD, incorporating established MFLs, MFLs prevention or recovery strategies, and water reservations into the SJRWMD's permitting programs; also identifies and describes water reservations established by the SJRWMD.
Chapter 40C-8, F.A.C.	Establishes MFLs in the SJRWMD; identifies and describes the purpose, definitions, specific criteria, and consideration of MFLs and recovery or prevention strategies associated with establishment and implementation.
Chapter 40D-2, F.A.C.	Implements the comprehensive water use permit (WUP) program of the SWFWMD, incorporating established MFLs, MFLs prevention or recovery strategies, and water reservations. Identifies and describes water reservations established by the SWFWMD.
Chapter 40D-8, F.A.C.	Establishes MFLs in the SWFWMD; identifies and describes the purpose, definitions, specific criteria, and consideration of MFLs and recovery or prevention strategies associated with their establishment and implementation.
Chapter 40D-80, F.A.C.	Prevention or recovery strategies for established MFLs are identified and incorporated into permitting programs for SWFWMD.
Chapter 40E-2, F.A.C.	Implements the comprehensive CUP program of the SFWMD, incorporating established MFLs, MFL prevention or recovery strategies, and water reservations.
Chapter 40E-8, F.A.C.	Establishes MFLs in the SFWMD; identifies and describes the purpose, definitions, and specific criteria of MFLs and recovery or prevention strategies associated with their establishment and implementation.
Chapter 40E-10, F.A.C.	Identifies and describes established water reservations established by the SFWMD.
Rule 62-40.410(3), F.A.C.	Indicates that water may be reserved from permitted use, as required for the protection of fish and wildlife, or the public health and safety.
Rule 62-40.473, F.A.C.	Identifies considerations and provides direction regarding the development, expression, and implementation of MFLs.

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Table C-1. Summary of selected Florida Statutes and Florida Administrative Code Rules relevant to Minimum Flows and Minimum Water Levels and Reservations, including those established in the Central Florida Water Initiative Planning Area (continued).

Florida Administrative Code	
Rule 62-40.474; F.A.C.	Provides guidelines concerning reservations and indicates reservations may be used to aid in recovery or prevention strategy for a water resource with an established MFL.
Rule 40C-2.101, F.A.C.	Established MFLs are identified and incorporated into permitting programs and MFLs prevention or recovery strategy rules for SJRWMD.
Rule 62-41.304, F.A.C.	Addresses and includes requirements for MFLs and reservation prioritization in the CFWI Planning Area, consistent methods for their establishment, and status assessments of MFLs for CFWI water bodies. Emphasizes the need for development of MFL prevention or recovery strategies when required for individual (or regionally if applicable) water bodies.
Rule 62-41.305, F.A.C.	Incorporates the SWUCA Recovery Strategy and the Dover/Plant City Water Use Caution Area (Dover/Plant City WUCA) Recovery Strategies in the FDEP's rules for the Regulation of the Consumptive Uses of Water.
Rule 62-41.300, F.A.C.	Implements Section 373.0465, F.S. and supersedes those portions of Chapters 40C-2, 40D-2, and 40E-2, F.A.C. regulating the consumptive use of water in the CFWI area explicitly identified; refer to text above.

Notes for **Table C-1.**

[a] The Dover/Plant City WUCA Recovery Strategy was repealed from SWFWMD rules in 2022 but reference to this strategy has not been removed from the CFWI Planning Area Rule 62-41.305, F.A.C.

CFWI==Central Florida Water Initiatives; CUP==consumptive use permitting; F.A.C==Florida Administrative Code; FDEP==Florida Department of Environmental Protection; F.S.==Florida Statute; RWSP==Regional Water Supply Plan; MFL==minimum flow levels; WUP==Water Use Permit; WUCA==Water Use Caution Area

MINIMUM FLOWS AND MINIMUM WATER LEVELS AND WATER RESERVATIONS

Minimum Flows and Minimum Water Levels

Fifty-five MFLs were adopted for water bodies within or that extend into the CFWI Planning Area (**Figure C-1** and **Table C-2**). The SJRWMD and SWFWMD have adopted MFLs for 39 lakes or wetlands, 5 river or creek segments, and 6 springs or spring groups within the CFWI Planning Area. The upstream portion of four additional SWFWMD river segments with adopted MFLs (the Upper Hillsborough River, Upper Alafia River, Peace River at Zolfo Springs and Charlie Creek), extend into the CFWI Planning Area, although adopted MFL sites associated with these river segments occur outside the CFWI Planning Area. A single aquifer MFL, the Saltwater Intrusion Minimum Aquifer Level (SWIMAL) adopted for the Most Impacted Area (MIA) of the SWUCA of SWFWMD, is associated with compliance sites located outside the CFWI Planning Area but is influenced by groundwater withdrawals within the planning area. The SFWMD has not adopted MFLs for any water bodies in the CFWI Planning Area and does not currently have any scheduled for establishment.

Twenty-seven water bodies in or extending into the CFWI Planning Area within the SJRWMD and SWFWMD are scheduled for MFLs adoption or re-evaluation (**Figure C-1** and **Table C-2**). Minimum flow(s) and minimum water level(s) re-evaluations involve the review and, as

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necessary, revision of previously adopted MFLs and concurrent adoption or modification of an associated recovery or prevention strategy.

The status of each water body with adopted MFLs is determined annually for the Florida Statewide Annual Report (STAR), which is prepared by the FDEP in cooperation with the state water management districts. The 2023 STAR (FDEP 2024) and recent assessments indicate that 49 of the 55 adopted MFLs within or extending into the CFWI Planning Area are currently being met (**Table C-2** and **Figure C-2**). The 6 water bodies where MFLs are not currently met include 4 lakes (Aurora, Bonnie, Eagle, and Eva) in south-central Polk County within SWFWMD and 2 springs (Palm and Starbuck) in southwest Seminole County, within the SJRWMD (**Figure C-2**).

It should be emphasized, however, that annual status reporting for all established MFLs, including newly adopted and re-evaluated MFLs, will continue, and these assessments will be completed using the best information and methods available at the time of the assessments. It should be noted Withdrawals Conditions from this 2025 CFWI Regional Water Supply Plan (RWSP) and recent status assessments were not used for the 2023 STAR.

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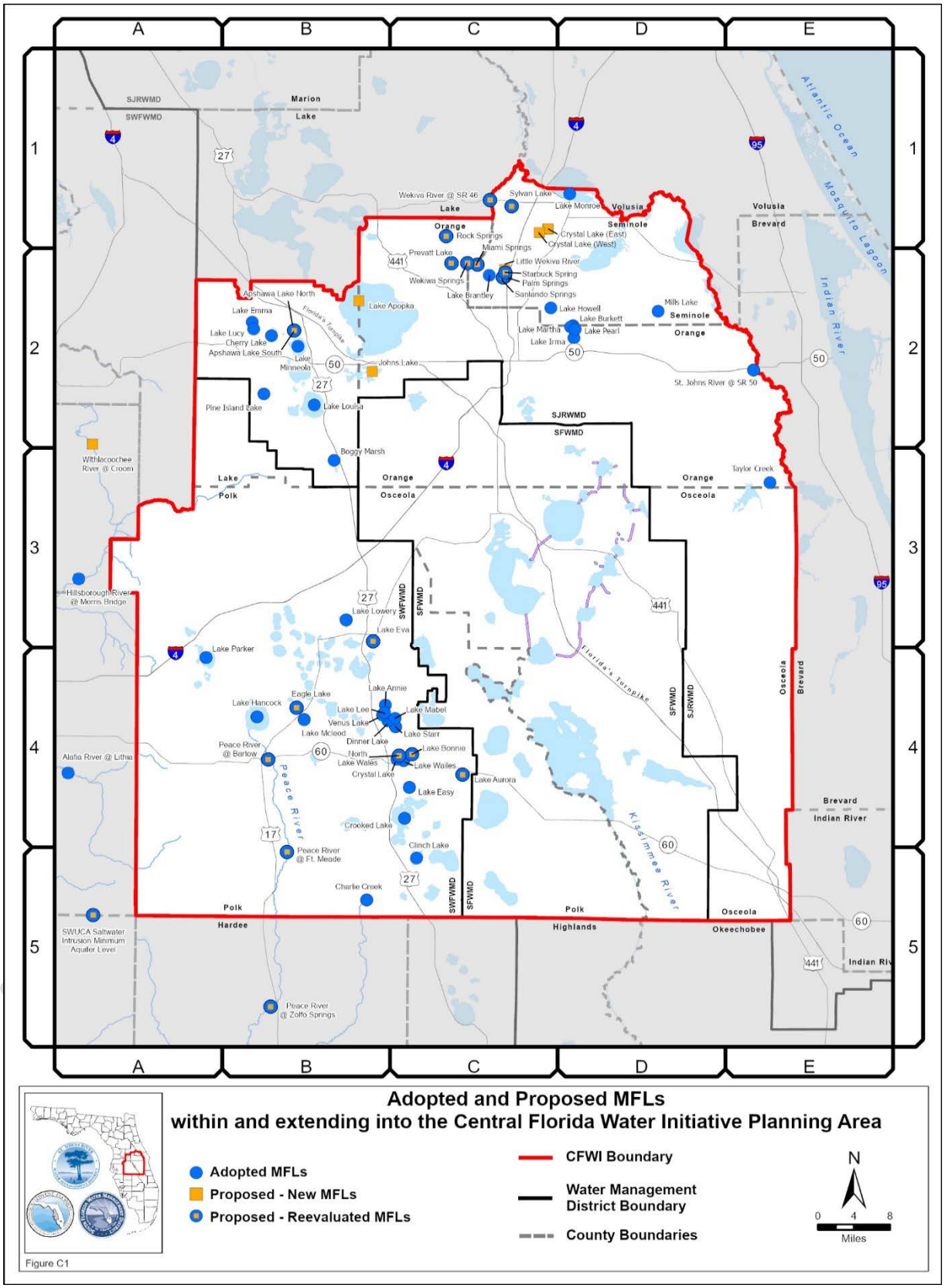


Figure C-1. Adopted and Proposed MFLs within and extending into the CFWI Planning Area.

Note that monitoring sites used for the SWUCA Saltwater Intrusion Minimum Aquifer Level and Charlie Creek MFLs are located beyond the extent of this map. Refer to **Table C-2** for map grid details.

Table C-2. Summary of adopted MFLs and those that are scheduled for MFLs adoption or re-evaluation within and extending into the CFWI Planning Area.

Map Grid [a]	Water Body Name	County	District [b]	Year Adopted [c]	2023 MFLs Status[d]	Year Scheduled for Adoption or Re-evaluation
Lakes and Wetlands						
B-4	Annie, Lake	Polk	SWFWMD	2007	Met	N/A
B-2	Apopka, Lake	Lake/ Orange	SJRWMD	N/A	N/A	2027 Adoption
B-2	Apshawa Lake North	Lake	SJRWMD	2002	Met	N/A
B-2	Apshawa Lake South	Lake	SJRWMD	2002	Met	2025 Re-evaluation
C-4	Aurora, Lake	Polk	SWFWMD	2018	Not Met	2025 Re-evaluation
B-3	Boggy Marsh	Lake	SJRWMD	2001	Met	N/A
C-4	Bonnie, Lake	Polk	SWFWMD	2007	Not Met	2025 Re-evaluation
C-2	Brantley, Lake	Seminole	SJRWMD	2001	Met	N/A
D-2	Burkett, Lake	Orange	SJRWMD	2002	Met	N/A
B-2	Cherry Lake	Lake	SJRWMD	2002	Met	N/A
C-5	Clinch, Lake	Polk	SWFWMD	2017	Met	N/A
C-4	Crooked Lake	Polk	SWFWMD	2017	Met	N/A
C-4	Crystal Lake	Polk	SWFWMD	2011	Met	N/A
C-1	Crystal Lake (East)	Seminole	SJRWMD	N/A	N/A	2026 Adoption
C-1	Crystal Lake (West)	Seminole	SJRWMD	N/A	N/A	2026 Adoption
B-4	Dinner Lake	Polk	SWFWMD	2007	Met	N/A
B-4	Eagle Lake	Polk	SWFWMD	2017	Not Met	2025 Re-evaluation
C-4	Easy, Lake	Polk	SWFWMD	2018	Met	2026 Re-evaluation
B-2	Emma Lake	Lake	SJRWMD	2003	Met	N/A
B-3	Eva, Lake	Polk	SWFWMD	2018	Not Met	2025 Re-evaluation
B-4	Hancock, Lake	Polk	SWFWMD	2016	Met	N/A
D-2	Howell Lake	Seminole	SJRWMD	2001	Met	N/A
D-2	Irma, Lake	Orange	SJRWMD	2002	Met	N/A
B-2	Johns Lake	Orange	SJRWMD	N/A	N/A	2025 Adoption
B-4	Lee, lake	Polk	SWFWMD	2007	Met	N/A
B-2	Louisa, Lake	Lake	SJRWMD	2000	Met	N/A
B-3	Lowery, Lake	Polk	SWFWMD	2018	Met	N/A
B-2	Lucy, Lake	Lake	SJRWMD	2003	Met	N/A
C-4	Mabel, Lake	Polk	SWFWMD	2007	Met	N/A
D-2	Martha, Lake	Orange	SJRWMD	2002	Met	N/A
B-4	McLeod Lake	Polk	SWFWMD	2017	Met	N/A
D-2	Mills Lake	Seminole	SJRWMD	1998	Met	N/A
B-2	Minneola, Lake	Lake	SJRWMD	2002	Met	N/A
D-1	Monroe, Lake	Volusia/ Seminole	SJRWMD	2007	Met	N/A
C-4	North Lake Wales	Polk	SWFWMD	2011	Met	2025 Re-evaluation
A-4	Parker, Lake	Polk	SWFWMD	2021	Met	N/A
D-2	Pearl, Lake	Orange	SJRWMD	2002	Met	N/A
B-2	Pine Island Lake	Lake	SJRWMD	2001	Met	N/A
C-2	Prevatt, Lake	Orange	SJRWMD	1998	Met	2025 Re-evaluation
C-4	Starr, Lake	Polk	SWFWMD	2017	Met	2026 Re-evaluation
C-1	Sylvan Lake	Seminole	SJRWMD	1998	Met	2026 Re-evaluation
B-4	Venus Lake	Polk	SWFWMD	2007	Met	N/A
C-4	Wailes, Lake	Polk	SWFWMD	2017	Met	N/A
Rivers and Creeks						
A-4	Alafia River at Lithia (upper segment)[e]	Polk/ Hillsborough	SWFWMD	2008	Met	N/A
B-5	Charlie Creek [e]	Polk/Hardee	SWFWMD	2024	Met	N/A
A-3	Hillsborough River at Morris Bridge (upper segment)[e]	Polk/ Hillsborough	SWFWMD	2008	Met	N/A

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Table C-2. Summary of adopted MFLs and those that are scheduled for MFLs adoption or re-evaluation within and extending into the CFWI Planning Area (continued).

Map Grid [a]	Water Body Name	County	District [b]	Year Adopted [c]	2023 MFLs Status[d]	Year Scheduled for Adoption or Re-evaluation
Rivers and Creeks						
C-2	Little Wekiva River	Seminole	SJRWMD	N/A	N/A	2026 Adoption
B-4	Peace River at Bartow	Polk	SWFWMD	2006	Met	2025 Re-evaluation
B-4, B-5	Peace River at Ft. Meade	Polk	SWFWMD	2006	Met	2025 Re-evaluation
B-5	Peace River at Zolfo Springs[e]	Polk/Hardee	SWFWMD	2006	Met	2025 Re-evaluation
E-2	St. Johns River at SR 50 (near Christmas)	Brevard/ Orange	SJRWMD	2007	Met	N/A
E-3	Taylor Creek	Osceola/ Orange	SJRWMD	2000	Met	N/A
C-1	Wekiva River at SR 46	Lake/Seminole	SJRWMD	1992	Met	2026 Re-evaluation
A-2, A-3, B-3	Withlacoochee River at Croom (upper segment) [e]	Polk/Lake/ Sumter	SWFWMD	N/A	N/A	2025 Adoption
Springs						
C-2	Miami Springs	Seminole	SJRWMD	1992	Met	2026 Re-evaluation
C-2	Palm Springs	Seminole	SJRWMD	1992	Not Met	2026 Re-evaluation
C-1	Rock Springs	Orange	SJRWMD	1992	Met	2026 Re-evaluation
C-2	Sanlando Springs	Seminole	SJRWMD	1992	Met	2026 Re-evaluation
C-2	Starbuck Spring	Seminole	SJRWMD	1992	Not Met	2026 Re-evaluation
C-2	Wekiwa Springs	Orange	SJRWMD	1992	Met	2026 Re-evaluation
Aquifers						
A-5	SWUCA Saltwater Intrusion Minimum Aquifer Level[f]	Hillsborough/ Manatee/ Sarasota	SWFWMD	2006	Met	2026 Re-evaluation

Notes for **Table C-2.**

[a] Map grid refers to **Figures C-1** and **C-2**.

[b] St. Johns River Water Management District (SJRWMD), South Florida Water Management District (SFWMD), and Southwest Florida Water Management District (SWFWMD).

[c] Date listed is the adoption year for the MFLs. In some instances, Governing Board approval for initiation of rulemaking may have occurred in the preceding year and/or the rule may have become effective in the following year.

[d] Status is based on the 2023 Statewide Annual Report and more recent assessments (FDEP 2024).

[e] River segment extends into the CFWI Planning Area, although the gauge site associated with the adopted minimum flow is outside the CFWI Planning Area.

[f] Well sites associated with the adopted Southern Water Use Caution Area (SWUCA) Saltwater Intrusion Minimum Aquifer Level are outside of the CFWI Planning Area, but groundwater withdrawals within the CFWI Planning Area may affect water levels in the wells.

N/A – Not applicable.

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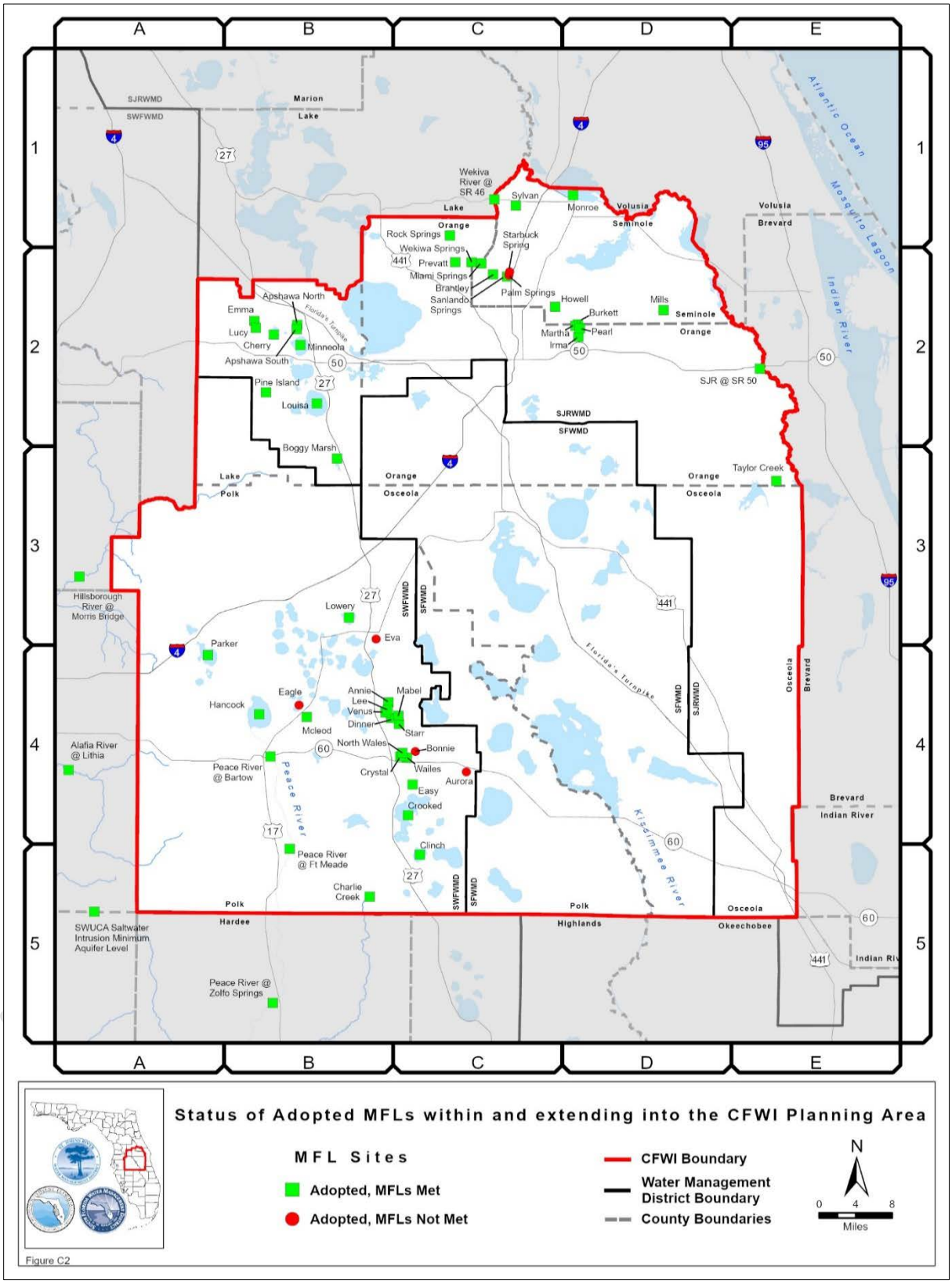


Figure C-2. Status of adopted minimum flows and minimum water levels within and extending into the Central Florida Water Initiative Planning Area based on the 2023 Statewide Annual Report (FDEP 2024) and an additional recent status assessment.

Note: Refer to **Table C-2** for map grid details.

Water Reservations

The SFWMD adopted water reservations for the Kissimmee River and Chain of Lakes (KCOL) in 2021 to protect fish and wildlife, as well as support the Kissimmee River Restoration Project (**Table C-3**). The KCOL water reservations encompasses approximately 172,500 acres and includes the following water bodies: (1) Upper Chain of Lakes (Hart, Mary Jane, Myrtle, Preston, Joel, East Lake Tohopekaliga; Tohopekaliga; Gentry, and the Alligator Chain of Lakes), (2) Headwaters Revitalization Lakes (Lake Kissimmee, Cypress Lake, Lake Hatchineha, and Tiger Lake), and (3) the Kissimmee River and floodplain, as well as interconnected canals. The KCOL water reservation area spans portions of the SFWMD's Upper Kissimmee Basin Planning Area (part of the CFWI, as well as the SFWMD's Lower Kissimmee Basin Planning Area) (**Figure C-3**). The Upper Chain of Lakes and the Headwaters Revitalization Lakes are the primary source of water for the Kissimmee River (**Figure C-3** and **Table C-3**). The KCOL water reservations reserve from allocation: (1) all surface water in the Kissimmee River and floodplain and in the Headwaters Revitalization Lakes; (2) quantities of surface water up to established water reservation stages in the Upper Chain of Lakes; and (3) surface water and groundwater in the surficial aquifer system (SAS), within contributing waterbodies, that is required for the protection of fish and wildlife (SFWMD 2020). The final technical document (SFWMD 2020) and water reservation rules and criteria can be found at https://www.sfwmd.gov/our-work/water-reservations on the Kissimmee tab.

The SWFWMD adopted a water reservation for Lake Hancock and Lower Saddle Creek in 2020 to support minimum flows recovery in the Upper Peace River. The reservation reserves the water stored in Lake Hancock within a range of specified stages and the water released from the lake through Structure P-11 to the lower portion of Saddle Creek for the protection of fish and wildlife through recovery of minimum flows in the Upper Peace River. A re-evaluation of this reservation is scheduled for completion in 2025.

Table C-3. Summary of adopted water reservations within and extending into the CFWI Planning Area.

Water Body Name	County	District	Adopted
Hancock, Lake	Polk	SWFWMD	2020
Headwater Revitalization Lakes (Cypress, Hatchineha, Kissimmee, and Tiger)	Osceola/Polk	SFWMD	2021
Upper Chain of Lakes (Alligator, Brick, Coon, Gentry, Hart, Joel, Lizzie, Mary Jane, Myrtle, Preston, Tohopekaliga, Trout, and East Lake Tohopekaliga)	Orange/Osceola	SFWMD	2021
Kissimmee River and Floodplain	Osceola/Polk/Highlands/ Okeechobee	SFWMD	2021

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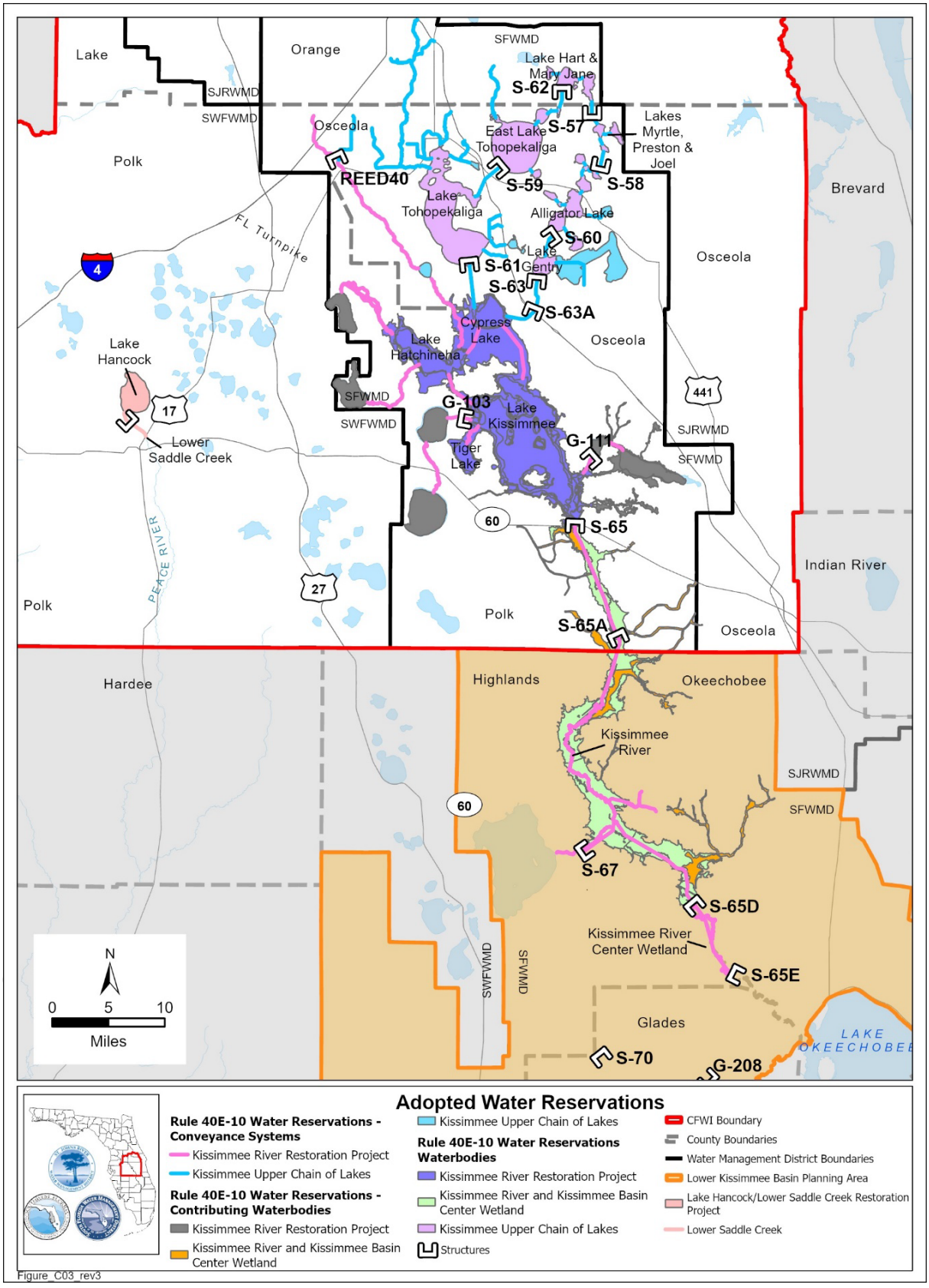


Figure C-3. Adopted water reservations within and extending outside the Central Florida Water Initiative Planning Area.

ADOPTED MINIMUM FLOWS AND MINIMUM WATER LEVELS PREVENTION OR RECOVERY STRATEGIES

There are currently no adopted prevention strategies and there is one adopted recovery strategy in the CFWI Planning Area, the SWUCA Recovery Strategy. This strategy is being implemented for lakes and river segments in the SWFWMD portion of the CFWI Planning Area where MFLs are not being met. It also historically was applied to the SWUCA SWIMAL, which was achieved for the first time in 2023. The strategy continues to apply to additional SWUCA water bodies in the SWFWMD outside the CFWI Planning Area where adopted MFLs are currently not being met.

Southern Water Use Caution Area Recovery Strategy

The SWUCA (**Figure C-4**) includes the 5,100 square mile southern portion of SWFWMD where lowered aquifer levels have caused saltwater intrusion into the Upper Floridan aquifer (UFA) along the coast in the MIA, contributed to reduced flows in the upper Peace River, and lowered lake levels in portions of Polk and Highlands counties. The SWFWMD is implementing the SWUCA Recovery Strategy Rule per 40D-80.074, F.A.C. (SWFWMD 2006), which was adopted in 2006 and became effective in 2007, to achieve four specific goals by 2025:

- Restore minimum levels to priority lakes
- Restore minimum flows to the Upper Peace River
- Reduce the rate of saltwater intrusion in the SWUCA MIA by achieving a minimum aquifer level (i.e., the SWUCA SWIMAL)
- Ensure that there are sufficient water supplies for all existing and projected reasonable and beneficial uses

As of May 2024, and as described in the latest SWUCA Recovery Strategy 5-year assessment (SWFWMD 2023), the SWFWMD has several successes associated with achieving SWUCA goals.

- Ridge lake water levels have increased several feet since the 1990s, with 41 out of 50 adopted MFLs for priority water bodies being met. The remaining 9 MFLs are for lakes, 4 of which are in the CFWI Planning Area (**Table C-2** and **Figure C-2**). Re-evaluation of these MFLs by 2025 using new, updated lake-level methods and peer-reviewed wetland criteria will support future assessment of recovery needs.
- MFLs for all three Upper Peace River sites were achieved in 2020, 2021, and 2022. Contributing to this achievement were the Lake Hancock Lake Level Modification project, which became fully operational in 2014, and the establishment of a reservation in 2020 to release water stored in Lake Hancock to Lower Saddle Creek. The current status of the Upper Peace River project implementation is indicated in **Table C-2** and **Figure C-2**, and its recovery has improved low-flow conditions in the Lower Peace River.

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- The SWUCA SWIMAL was recently achieved for the first time as noted in the SWFWMD 2023 status assessment (**Table C-2** and **Figure C-2)**. The SWIMAL is assessed using a network of wells in the MIA within Hillsborough, Manatee and Sarasota counties (**Figure C-4**). The SWIMAL elevation in the UFA must be met or exceeded for 5 consecutive years to achieve recovery, and this occurred from 2018 through 2022, thus helping to slow the rate of saltwater intrusion in the SWUCA.

Ongoing collaboration among the Districts, state agencies, local governments, and utilities has also contributed to SWUCA successes. These achievements include development of RWSPs such as this 2025 CFWI RWSP and establishment of consistent rules among the Districts. The SWFWMD also assisted with the creation of the Polk Regional Water Cooperative (PRWC) and is providing the PRWC funding assistance for alternative water supply (AWS) and water conservation projects. The SWFWMD's Facilitating Agricultural Resource Management Systems (FARMS) Program and other conservation efforts have also reduced UFA groundwater withdrawals in the SWUCA, thereby contributing to increased groundwater levels in the MIA. Outside of the CFWI Planning Area, but within the SWUCA, the SWFWMD has also partnered with the Peace River Manasota Regional Water Supply Authority (PRMRWSA) to assist in developing a sustainable water supply for the four-county area.

The adopted SWIMAL is based on the 10-year (1990 through 1999) weighted-average UFA water level of 13.1 feet above National Geodetic Vertical Datum 1929 (NGVD29) in ten regional wells (Kibler Deep, ROMP123, ROMP50, ROMP TR10-2, ROMP TR7-1, ROMP TR7-4, ROMP TR8-1, ROMP TR9-3, Sarasota 9 Deep, and Verna Test 0-4) in Hillsborough, Sarasota and Manatee counties (**Figure C-4**).

All WUP applications for withdrawals in the SWUCA are evaluated in terms of their projected effects on the SWUCA SWIMAL. The SWUCA SWIMAL elevation (i.e., the weighted average UFA water level of 13.1 feet NGVD29 in the MIA) must be met or exceeded for 5 consecutive years to be classified as met. This elevation was met or exceeded from 2018 through 2022, the first time the SWUCA SWIMAL has been achieved since its adoption (**Figure C-5**). As part of the SWUCA Recovery Strategy, the SWFWMD evaluates CUP/WUP applications to determine whether the proposed withdrawals impact groundwater levels below the upper Peace River and in the Ridge Lakes area. Potential impacts are assessed using water levels for separate sets of wells in the Peace River and Lake Wales Ridge regions (**Figure C-4**). Moving average well-water levels for each set are determined and compared to established target regulatory levels to determine groundwater-level status and inform CUP/WUP decisions. Summary information on the SWFWMD's 2023 water level targets for these wells, based on water level records through 2022, is provided in **Table C-4.**

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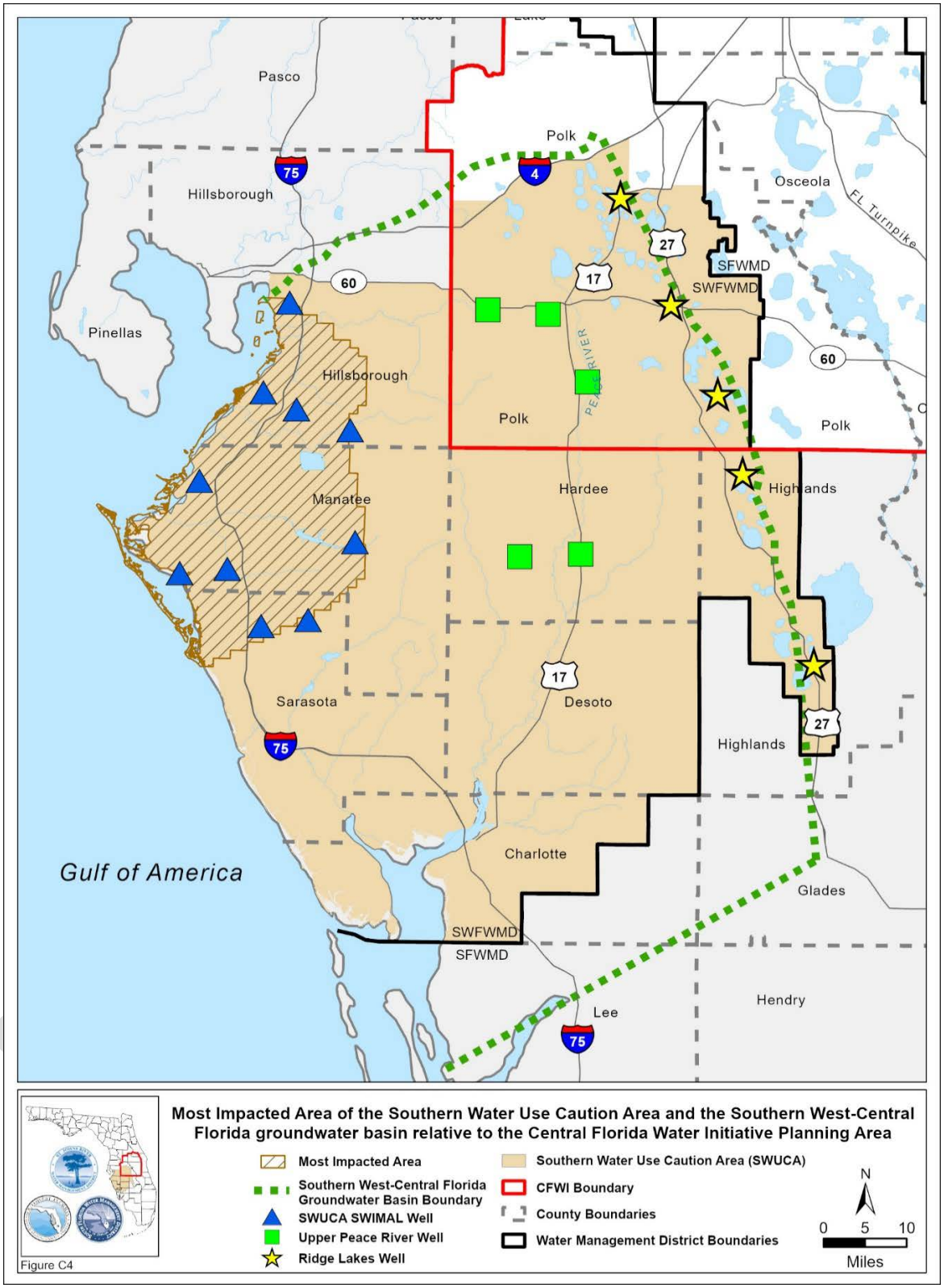


Figure C-4. Southern Water Use Caution Area, Most Impacted Area of the SWUCA, and the Southern West-Central Florida groundwater basin relative to the CFWI Planning Area.

Note: Regulatory wells associated with the Saltwater Intrusion Minimum Aquifer Level (SWIMAL) adopted for the Most Impacted Area (MIA) of the SWUCA, and upper Peace River and Ridge Lakes regulatory wells established as part of the SWUCA Recovery Strategy are also shown.

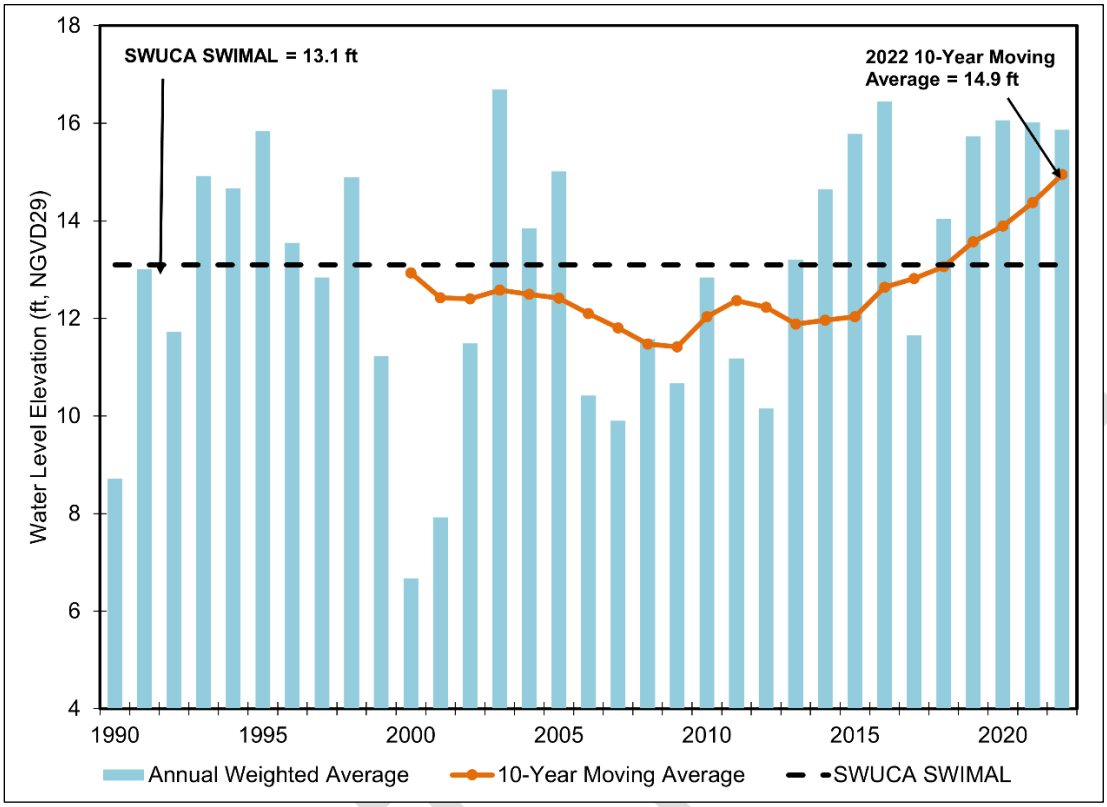


Figure C-5. Status of Upper Floridan aquifer water levels at regulatory wells in the Most Impacted Area of the Southern Water Use Cautions Area relative to the SWUCA Saltwater Intrusion Minimum Aquifer Level.

Note: Bars show mean annual water levels for 10 regulatory wells associated with the SWIMAL; the dashed-black horizontal line identifies the SWIMAL elevation of 13.1 feet NGVD29; and the orange symbols/line represent the 10-year moving annual average water levels for the wells through the 2022 value of 14.9 feet NGVD29.

Table C-4. Summary information on regulatory wells within and near the Central Florida Water Initiative Planning Area established as part of the Southwest Florida Water Management District's Southern Water Use Caution Area Recovery Strategy.

Map	Regulatory Well Target Name	County	Year Adopted	2023 Regulatory Target Status
Regulatory Wells				
Figure C-4	Ridge Lakes Target Wells [b]	Polk/Highlands	2006	Target Met
	Upper Peace River Target Wells [b]	Polk/Hardee	2006	Target Met

Notes for **Table C-4.**

[a] Date listed is the adoption year for the recovery strategy rules, which became effective in 2007.

[b] Some established Ridge Lakes and upper Peace River regulatory well sites associated with the Southern Water Use Caution Area (SWUCA) recovery strategy are outside of the CFWI Planning Area, but groundwater withdrawals within the CFWI Planning Area may affect water levels in the wells.

METHODOLOGIES FOR MINIMUM FLOWS AND MINIMUM WATER LEVELS AND RELATED ENVIRONMENTAL CRITERIA

The East Central Florida Transient Groundwater Expanded Model (ECFTX) v2.0 model (an updated model of ECFTX) (CFWI 2022) was the principal tool used to quantify potential impacts from groundwater withdrawals on MFL-related environmental criteria. As described in **Appendix D**, a 2016-2020 Reference Condition (RC) based on average groundwater withdrawals was simulated for a 12-year period, from 2003 through 2014. The 2016-2020 RC included use of monthly seasonality factors to incorporate seasonal variations for different water use types.

Results from the 2016-2020 RC were compared to simulations for several historical and future Withdrawals Conditions that included use of the monthly seasonality factors. Differences in water levels in the UFA, SAS, and spring flows between each simulation were calculated. Various methods described below were then used, along with the calculated water level differences and results, to identify predicted changes in the UFA water levels or flows associated with a predicted change in status (met/achieved or not met/not achieved) for each environmental criterion.

Changes in groundwater levels or surface water flows associated with potential change in the status of environmental criteria were characterized as freeboard or deficit values. For these analyses, freeboard is defined as the magnitude of UFA drawdown or flow reduction in the vicinity of an MFL or MFL-related site that can occur without violating an adopted MFL or MFL-related environmental criterion. Conversely, a deficit is defined as the magnitude of UFA rebound or increase in flow in the vicinity of a site that would be necessary to recover or meet established MFLs or MFL-related criteria.

Freeboard and deficit were expressed as the allowable drawdown or necessary rebound in the UFA (in feet) for lake and wetland MFLs, and target water levels for regulatory wells in the Ridge Lakes (i.e., Lake Wales Ridge) and Upper Peace River areas associated with the SWUCA Recovery Strategy. For spring and river MFLs, freeboard and deficit were expressed as a flow rate in cubic feet per second (cfs).

Freeboard or deficit analyses were based on several scenarios completed for the simulation period from 2003 through 2014 using the ECFTXv2.0 model. The 2015 CFWI RWSP (CFWI 2015a, b) RC freeboards and deficits were used as initial freeboards and deficits for adopted MFLs within the SJRWMD portion of the CFWI Planning Area. These initial freeboards or deficits were compared to other pumping scenarios as described below. Initial freeboards or deficits for proposed MFLs were based on a 2014-2018 average pumping condition. Detailed descriptions of scenarios can be found in **Appendix D** and *ECFTX Model Documentation Reports* (CFWI 2020, 2022).

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As discussed in **Chapter 4**, MFLs statuses were assessed using the 2016-2020 RC and a 2045 Withdrawals Condition. Additional scenarios were also assessed to evaluate potential status and freeboard values associated with withdrawal conditions projected to occur at withdrawal rates less than those projected for 2045.

- **2016-2020 Reference Condition (2016-2020 RC):** A scenario representing average 2016-2020 withdrawals adjusted for seasonality. This RC provides a baseline to which future projected impact scenarios can be compared. ECFTX model scenario results were used to either estimate freeboards or deficits at or relative to the 2016-2020 RC for assessing MFLs and MFL-related environmental criteria within the CFWI Planning Area.
- **2025, 2030, 2035, and 2040 Withdrawals Conditions:** These scenarios represent projected withdrawals adjusted for seasonality. These Withdrawals Conditions results, in each 5-year increment, were used to determine the status of MFLs in the SJRWMD and SWFWMD by predicting freeboard or deficit changes relative to the 2016-2020 RC. Impacts associated with these scenarios were evaluated to determine if/when MFLs or MFL-related environmental criteria were not being met under each of these Withdrawals Conditions.
- **2045 Withdrawals Condition:** A scenario representing projected 2045 withdrawals adjusted for seasonality. The 2045 Withdrawals Condition results were used to determine the status of MFLs in 2045 in the SJRWMD and SWFWMD by predicting freeboard or deficit changes relative to the 2016-2020 RC.

The following scenarios were also evaluated to assess freeboard or deficit:

- **2003, 2005, 2014-2018 Withdrawals Conditions**: Scenarios representing 2003, 2005, and 2014 through 2018 withdrawals were adjusted for seasonality. The results of these Withdrawals Conditions were used with 2016-2020 RC results to assess freeboard or deficits for the 2016-2020 RC for selected MFLs environmental criteria within the SJRWMD.
- **Calibration Withdrawals Condition**: A scenario representing withdrawals from 2003 through 2014. Calibration Withdrawals Condition results were used with 50 percent Calibration Withdrawals Condition and 2016-2020 RC results to assess freeboard or deficits for the 2016-2020 RC for selected MFLs and MFL-related environmental criteria within the SWFWMD.
- **50 percent Reduced Calibration Withdrawals Condition**: A scenario representing a 50 percent reduction in withdrawals associated with the Calibration Withdrawals Condition simulated with the ECFTXv2.0 model. For this simulation, the recharge/evapotranspiration (ET) package developed for use with ECFTXv1.0 for the 50 percent Reduced Calibration Withdrawals Condition simulated for the 2020 CFWI RWSP (CFWI 2020) was used. The 50 percent Reduced Calibration Condition results based on use of the ECFTXv2.0 model were used with the Calibration Withdrawals Condition and 2016-2020 RC results to assess freeboard or deficits for the 2016-2020 RC for selected MFLs and MFL-related environmental criteria within the SWFWMD.

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MINIMUM FLOWS AND MINIMUM WATER LEVELS AND RELATED ENVIRONMENTAL CRITERIA FOR GROUNDWATER WITHDRAWAL IMPACT ASSESSMENTS

A subset of existing and currently proposed MFLs (**Table C-2**) and MFL-related regulatory wells (**Table C-4**) was identified for use as environmental criteria to assess potential groundwater withdrawal impacts in the CFWI Planning Area. The subset consisted of the following 47 MFLs and MFL-related environmental criteria (**Table C-5, Figure C-6**):

- Adopted MFLs for 28 lakes/wetlands, 6 springs, and 1 river segment.
- An established target regulatory water level based on five UFA wells (Ridge Lakes Target Wells) used to characterize groundwater levels below Lake Wales Ridge Lakes where MFLs have been established in the SWUCA and are being recovered.
- An established target regulatory water level based on five UFA wells (Upper Peace River Target Wells) used to characterize groundwater levels south of the Upper Peace River where MFLs have been established in the SWUCA and are being recovered.
- MFLs for 10 water bodies that are proposed but not yet adopted. These include new MFLs for 1 river segment and re-evaluated MFLs for 2 lakes, 1 river segment, and 6 springs.

Of the 47 assessed MFLs and MFL-related environmental criteria, 38 were considered most appropriate for assessing potential impacts associated with groundwater withdrawals. These included:

- Adopted MFLs for 26 lakes/ wetlands.
- An established target regulatory water level based on five UFA wells (Ridge Lakes Target Wells) used to characterize groundwater levels below Lake Wales Ridge Lakes where MFLs have been established and are being recovered.
- An established target regulatory water level based on five UFA wells (Upper Peace Target Wells) used to characterize groundwater levels south of the Upper Peace River where MFLs have been established and are being recovered.
- MFLs for 10 water bodies, that are proposed but not yet adopted. These include new MFLs for 1 river segment and re-evaluated MFLs for 2 lakes, 1 river segment, and 6 springs.

Twenty CFWI Planning Area water bodies with adopted MFLs were excluded from consideration as environmental criteria for groundwater withdrawal impact assessments. One lake (Lake Monroe) and two river segments in the SJRWMD (St. Johns River at state road [SR] 50, and Taylor Creek) were excluded based on limited UFA connection. Six river segments

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located within or extending into the SWFWMD portion of the CFWI Planning Area (Alafia River at Lithia, Hillsborough River at Morris Bridge, Charlie Creek, Peace River at Ft. Meade, Peace River at Bartow, and Peace River at Zolfo Springs) were excluded from consideration based on the limitations in application of ECFTXv2.0 model-predicted baseflow contributions to the rivers and the limited watershed area of each river within the planning area. Apshawa Lake North in SJRWMD was excluded from consideration because SJRWMD staff have determined that the re-evaluation of Apshawa Lake South will be protective of both lakes (i.e., South and North) (Sutherland, et. al 2024b). Nine lakes within the SWFWMD (Annie, Bonnie, Clinch, Crystal, Dinner, Lee, Mabel, North Wales, and Venus) were excluded from consideration as environmental criteria based on the lack of hydrologic assessment tools, specifically, water budget models that could be used to associate ECFTXv2.0 model-predicted changes in UFA water levels with lake water levels.

Although the MIA of the SWUCA is located outside of the CFWI Planning Area (**Figure C-4**), increased groundwater withdrawals within the CFWI Planning Area, especially in southeast Polk County, could affect groundwater levels in the MIA. However, the ECFTX model was developed to analyze water levels and movement inside the CFWI Planning Area and was not calibrated to the same extent outside the CFWI Planning Area. Furthermore, the Hawthorn Group is not incorporated in the ECFTX model but is important when evaluating the SWUCA SWIMAL. Therefore, the SWUCA SWIMAL is not included in the subset of existing MFLs identified for use as environmental criteria to assess potential groundwater withdrawal impacts in the CFWI Planning Area.

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Table C-5. Minimum Flows and Minimum Water Levels and MFL-related environmental criteria identified for evaluation of potential groundwater withdrawal impacts in the Central Florida Water Initiative Planning Area, as of May 2024.

Map Grid[a]	Water Body/ Regulatory Well Target Name	County	District[b]	Year Adopted[c]	Year Scheduled for Adoption or Re-evaluation	Used for Groundwater Withdrawal Impact Assessment
Lake and Wetland MFLs						
B-2	Apshawa Lake South	Lake	SJRWMD	2002	2025 Re-evaluation	Adopted & Proposed
C-4	Aurora, Lake	Polk	SWFWMD	2018	2025 Re-evaluation	Adopted
B-3	Boggy Marsh	Lake	SJRWMD	2001	N/A	Adopted
C-2	Brantley, Lake	Seminole	SJRWMD	2001	N/A	Adopted
D-2	Burkett, Lake	Orange	SJRWMD	2002	N/A	Adopted
B-2	Cherry Lake	Lake	SJRWMD	2002	N/A	Adopted
C-4	Crooked Lake	Polk	SWFWMD	2017	N/A	Adopted
B-4	Eagle Lake	Polk	SWFWMD	2017	2025 Re-evaluation	Adopted
C-4	Easy, Lake	Polk	SWFWMD	2018	2026 Re-evaluation	Adopted
B-2	Emma Lake	Lake	SJRWMD	2003	N/A	Adopted
B-3	Eva, Lake	Polk	SWFWMD	2018	2025 Re-evaluation	Adopted
B-4	Hancock, Lake	Polk	SWFWMD	2016	N/A	Adopted
D-2	Howell Lake	Seminole	SJRWMD	2001	N/A	Adopted
D-2	Irma, Lake	Orange	SJRWMD	2002	N/A	Adopted
B-2	Louisa, Lake	Lake	SJRWMD	2000	N/A	Adopted
B-3	Lowery, Lake	Polk	SWFWMD	2018	N/A	Adopted
B-2	Lucy, Lake	Lake	SJRWMD	2003	N/A	Adopted
D-2	Martha, Lake	Orange	SJRWMD	2002	N/A	Adopted
B-4	McLeod Lake	Polk	SWFWMD	2017	N/A	Adopted
D-2	Mills Lake	Seminole	SJRWMD	1998	N/A	Adopted
B-2	Minneola, Lake	Lake	SJRWMD	2002	N/A	Adopted
A-4	Parker, Lake	Polk	SWFWMD	2021	N/A	Adopted
D-2	Pearl, Lake	Orange	SJRWMD	2002	N/A	Adopted
B-2	Pine Island Lake	Lake	SJRWMD	2001	N/A	Adopted
C-2	Prevatt, Lake	Orange	SJRWMD	1998	2025 Re-evaluation	Adopted
C-4	Starr, Lake	Polk	SWFWMD	2017	2026 Re-evaluation	Adopted
C-1	Sylvan Lake	Seminole	SJRWMD	1998	2026 Re-evaluation	Adopted & Proposed
C-4	Wailes, Lake	Polk	SWFWMD	2017	N/A	Adopted
River MFLs						
C-2	Little Wekiva River	Seminole	SJRWMD	N/A	2026 Adoption	Proposed
C-1	Wekiva River at SR 46	Lake/ Seminole	SJRWMD	1992	2026 Re-evaluation	Adopted & Proposed
Spring MFLs						
C-2	Miami Springs	Seminole	SJRWMD	1992	2026 Re-evaluation	Adopted & Proposed

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Table C-5. Minimum Flows and Minimum Water Levels and MFL-related environmental criteria identified for evaluation of potential groundwater withdrawal impacts in the Central Florida Water Initiative Planning Area, as of May 2024 (continued).

Map Grid[a]	Water Body/ Regulatory Well Target Name	County	District[b]	Year Adopted[c]	Year Scheduled for Adoption or Re-evaluation	Used for Groundwater Withdrawal Impact Assessment
Spring MFLs						
C-2	Palm Springs	Seminole	SJRWMD	1992	2026 Re-evaluation	Adopted & Proposed
C-1	Rock Springs	Orange	SJRWMD	1992	2026 Re-evaluation	Adopted & Proposed
C-2	Sanlando Springs	Seminole	SJRWMD	1992	2026 Re-evaluation	Adopted & Proposed
C-2	Starbuck Spring	Seminole	SJRWMD	1992	2026 Re-evaluation	Adopted & Proposed
C-2	Wekiwa Springs	Orange	SJRWMD	1992	2026 Re-evaluation	Adopted & Proposed
Regulatory Wells						
Figure C-4	Ridge Lakes Regulatory Wells[d]	Polk/ Hardee	SWFWMD	2006	N/A	Adopted
	Upper Peace River Regulatory Wells[d]	Polk	SWFWMD	2006	N/A	Adopted

Notes for **Table C-5.**

N/A: Not applicable.

a Map grid refers to **Figure C-1**, except for the Ridge Lake and upper Peace River Regulatory Wells, which are shown in **Figure C-4**.

b. St. Johns River Water Management District (SJRWMD) and Southwest Florida Water Management District (SWFWMD).

c. Date listed is the adoption year for the MFLs rule. In some instances, Governing Board approval for initiation of rulemaking may have occurred in the preceding year and/or the rule may have become effective in the following year.

d. Some established Ridge Lakes and upper Peace River regulatory wells associated with the Southern Water Use Caution Area (SWUCA) recovery strategy are outside of the CFWI Planning Area, but groundwater withdrawals within the CFWI Planning Area may affect water levels in the wells, so the wells were used as environmental criteria.

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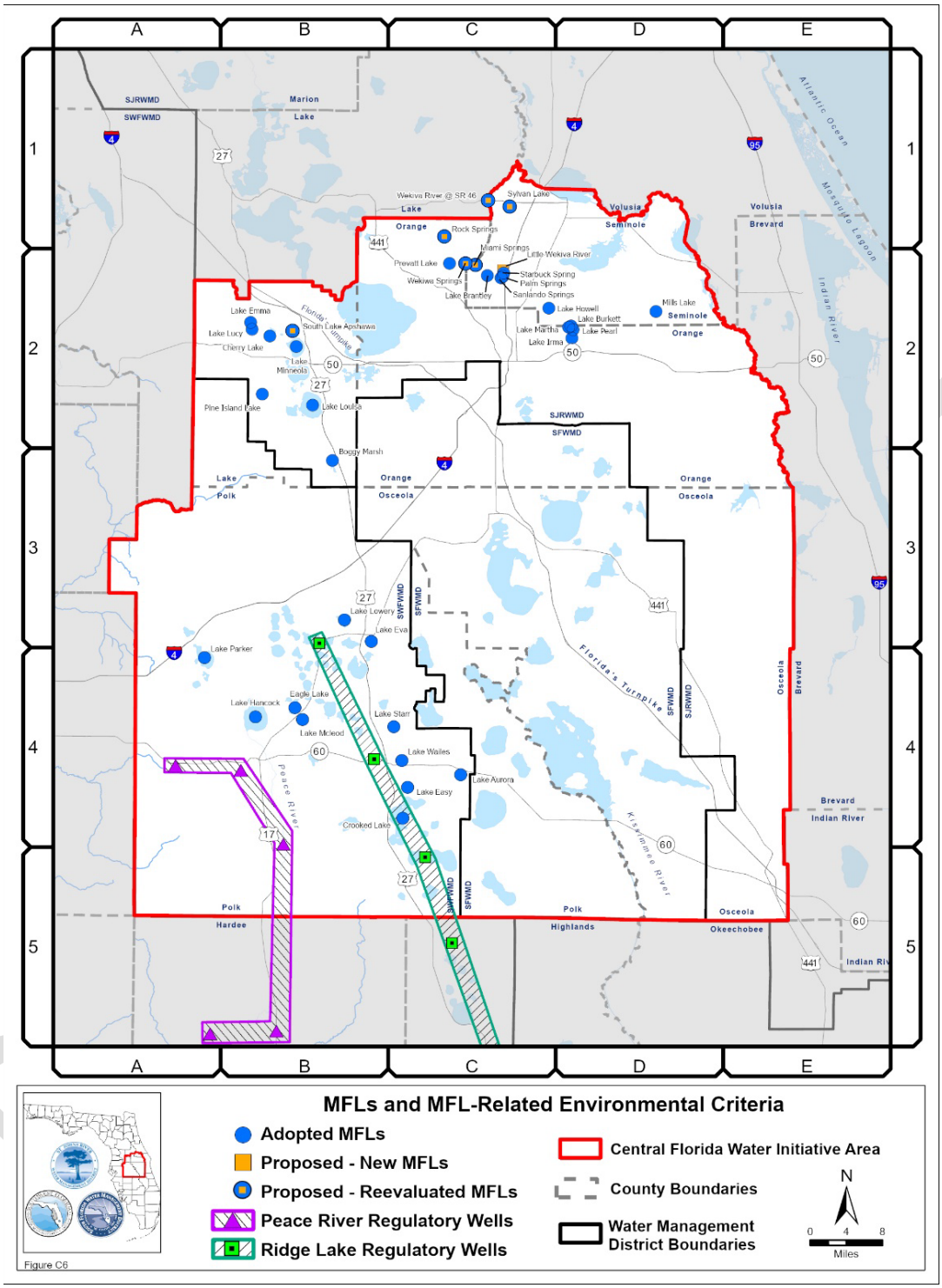


Figure C-6. Minimum Flows and Minimum Water Levels and MFL-related environmental criteria identified for assessment of potential groundwater withdrawal impacts.

Note: Adopted and Proposed MFLs identify water bodies with adopted MFLs that are currently being re-evaluated and will be used for assessing groundwater withdrawal impacts. Peace River Regulatory Wells and Ridge Lake Regulatory Wells hashed polygons are included to group the set of five wells for each that is categorized as a criterion, but only four Ridge Lake Well locations are shown in this map.

Methods Associated with Minimum Flows and Minimum Water Levels in the St. Johns River Water Management District

In support of this 2025 CFWI RWSP, the status of MFLs environmental criteria within the SJRWMD portion of the CFWI Planning Area was assessed based on the 2016-2020 RC (**Table C-6**). The status of these criteria for the 2016-2020 RC was predicted using previously determined freeboard or deficit values, and results from the 2003, 2005, and the 2014-2018 average Withdrawals Conditions.

A subset of MFLs within the SJRWMD was assessed based on updated (i.e., best available) environmental criteria and freeboard or deficit values. These 10 systems include 1 proposed new MFL (Little Wekiva River) and 9 proposed re-evaluated MFLs (Wekiva River at SR46, Wekiwa Springs, Rock Springs, Miami Springs, Palm Springs, Sanlando Springs, Starbuck Springs, Sylvan Lake, and Apshawa Lake South). The updated criteria for these 10 systems are currently proposed in the Draft MFLs reports for the Wekiva River Basin (Sutherland, et. al 2024a), Sylvan Lake (Deschler, et. al 2023), and Apshawa Lake South (Sutherland, et. al 2024b). Apshawa Lake South MFLs are anticipated to be re-evaluated in 2025 and Wekiva River Basin and Sylvan Lake MFLs are anticipated to be re-evaluated or adopted in 2026. Once the final re-evaluated MFLs are adopted, the projects included in any MFLs recovery or prevention strategies will be incorporated in the CFWI RWSP as required by Section 373.0421, F.S.

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Table C-6. Freeboard or deficits and other summary information for SJRWMD MFLs that were assessed as environmental criteria for the 2025 Central Florida Water Initiative Regional Water Supply Plan.

Map Grid[a]	Water Body Name	County	Water Body Type	Year Adopted / Proposed Rule Making	Surface Water Model Year[b]	Freeboard or Deficit at Surface Water Model Year (ft or cfs) [c]
B-2	Apshawa Lake South	Lake	Lake	2002 / 2025	1998 2014-2018	0.4 0.8
B-3	Boggy Marsh	Lake	Lake / Wetland	2001	2005	2.1
C-2	Brantley, Lake	Seminole	Lake	2001	2003	2.2
B-2	Cherry Lake	Lake	Lake	2002	2003	1.5
B-2	Emma Lake	Lake	Lake	2003	2003	3.0
B-2	Louisa, Lake	Lake	Lake	2000	2003	2.0
B-2	Lucy, Lake	Lake	Lake	2003	2003	3.0
D-2	Mills Lake	Seminole	Lake	1998	2003	2.3
B-2	Minneola, Lake	Lake	Lake	2002	2003	2.1
B-2	Pine Island Lake	Lake	Lake	2001	2005	1.5
C-2	Prevatt, Lake	Orange	Lake	1998 / 2025	2002	1.1
C-1	Sylvan Lake	Seminole	Lake	1998 / 2026	2002 2014-2018	1.1 0.5
C-1	Wekiva River at SR 46	Lake/Seminole	River	1992 / 2026	1990 2014-2018	8.0 0.0
C-2	Little Wekiva River	Seminole	River	2026	2014-2018	0.0
C-2	Miami Springs	Seminole	Spring	1992 / 2026	1990 2014-2018	1.0 0.0
C-2	Palm Springs	Seminole	Spring	1992 / 2026	1990 2014-2018	-1.8 0.0
C-1	Rock Springs	Orange	Spring	1992 / 2026	1990 2014-2018	2.4 0.0
C-2	Sanlando Springs	Seminole	Spring	1992 / 2026	1990 2014-2018	4.0 0.0
C-2	Starbuck Spring	Seminole	Spring	1992 / 2026	1990 2014-2018	0.1 0.0
C-2	Wekiwa Springs	Orange	Spring	1992 / 2026	1990 2014-2018	2.3 0.0

Notes for **Table C-6**.

[a] Map grid refers to **Figure C-1**.

[b] Surface water model year means the year an MFL was assessed, i.e., developed, using a surface water model.

[c] Positive values indicate freeboard and negative values indicate deficit in feet in the Upper Floridan aquifer for lakes/wetlands and in cubic feet per second for springs and rivers.

All MFL water bodies in **Table C-6** were assessed individually except for the Wekiva River at SR 46 and the Little Wekiva River. For the Wekiva River at SR46, total flow reduction from 10 springs (Wekiwa, Starbuck, Sanlando, Rock, Palm, Miami, Ginger Ale, Pegasus, Witherington, and Sulfur Springs) associated with the Wekiva River and Wekiva Falls was used for freeboard or deficit calculations for the Wekiva River at SR 46 MFLs. The process for the assessment of the 10 springs was as follows:

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- For a given ECFTXv2.0 model scenario, a total flow reduction was calculated by summing the flow reductions estimated by the ECFTXv2.0 model at all 10 Wekiva River associated MFL springs and Wekiva Falls.
- To determine the 2016-2020 RC freeboard or deficit for Wekiva River at SR 46, total flow reductions estimated from the ECFTXv2.0 model were subtracted from the Wekiva River at SR 46 freeboard listed in **Table C-6**.
- To determine freeboard or deficit for the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions for Wekiva River at SR 46, the total flow reductions estimated from the ECFTXv2.0 model were subtracted from the 2016-2020 RC freeboard or deficit.

The same process was followed for assessing the Little Wekiva River. Total flow reduction from 5 springs (Starbuck, Sanlando, Palm, Ginger Ale, and Pegasus Springs) was used for freeboard or deficit calculations using the same steps described above.

2016-2020 Reference Condition Freeboard or Deficit Calculation for St. Johns River Water Management District

Since the ECFTXv2.0 model is a transient model, the 2016-2020 RC hydrograph (monthly UFA levels or spring flows) for each MFL water body to be assessed (**Table C-6**) was generated over the model scenario period. For lakes and wetlands, the hydrographs were based on average predicted water levels for all model grid cells that included the water bodies. Hydrographs for assessed springs were based on ECFTXv2.0 model predictions for the spring drain cells included in the model output. The hydrograph generated for the Wekiva River at SR 46 was developed using the sum of ECFTXv2.0 model predicted flows for the 10 springs and Wekiva Falls that contribute flow to the river. The hydrograph generated for the Little Wekiva River was developed using the same process but was based on 5 contributing springs.

To predict the 2016-2020 RC freeboard or deficit, the ECFTXv2.0 model was run using the respective surface water model year condition for each MFL water body, generating a hydrograph (monthly levels or flows) for each MFL water body for the scenario period. Three surface water model year condition scenarios (2003, 2005, and 2014-2018 Withdrawals Conditions) were developed using the ECFTXv2.0 model and seasonally adjusted withdrawals associated with those surface water model years. Seasonality adjustments are discussed in **Appendix D**.

The 2014-2018 Withdrawals Condition results were used for assessment of water bodies associated with the proposed MFLs. Due to data limitations associated with development of the spatial distribution of groundwater pumping within the ECFTX model domain for years prior to 2000, the predicted 2005 freeboard shown in **Table C-6** was used for an MFL water body if the associated surface water model year was before 2000. In addition, the 2003 Withdrawals Condition was used to assess MFL water bodies with a surface water model year of 2002, because a 2002 Withdrawals Condition was not simulated with the ECFTX model.

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The UFA drawdown (for lakes) or flow reduction (for springs and rivers) for each corresponding MFL water body was calculated by averaging the difference between the predicted 2016-2020 RC hydrograph and the predicted surface water model year condition hydrograph. **Figure C-7** illustrates use of the predicted 2016-2020 RC and surface water model year hydrographs for the ECFTX model scenario period to develop an UFA drawdown or flow reduction time-series used to determine the average drawdown or flow reduction. The predicted 2016-2020 RC freeboard or deficit was then determined as summarized in **Table C-7** by subtracting the average drawdown or flow reduction estimated for each corresponding MFL water body from the original freeboard or deficit estimated for each MFL water body for the surface water model year listed in **Table C-6**.

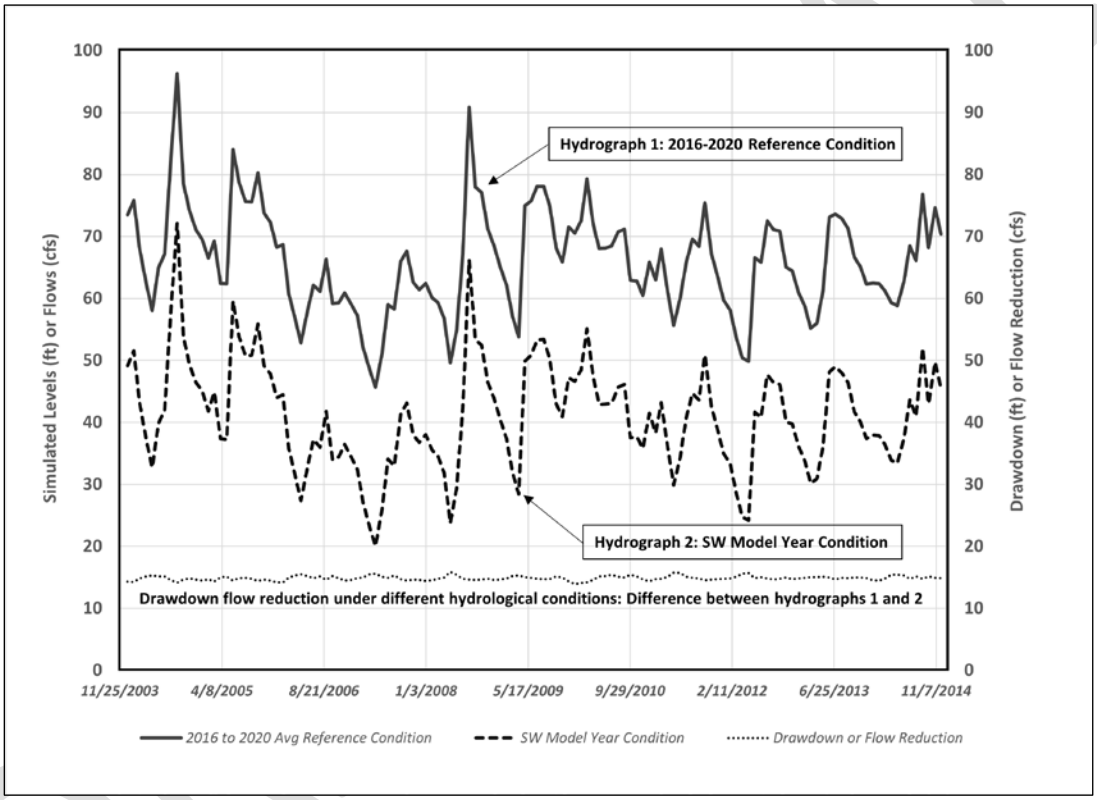


Figure C-7. Illustration showing the estimation of freeboard or deficit for the 2016-2020 Reference Condition using the ECFTXv2.0 model and Surface Water Model**.**

Table C-7. 2016-2020 Reference Condition freeboard or deficit calculations for SJRWMD minimum flows and minimum water levels environmental criteria**.**

SJRWMD Surface Water Model Year in Table C-5	2016-2020 Reference Condition Freeboard or Deficit	ECFTXv2.0 Scenarios Used
2002	2002 freeboard minus average change in UFA level or flows from 2003 Withdrawals Condition to 2016-2020 RC	2003 Withdrawals Condition and 2016-2020 RC
2003	2003 freeboard minus average change in UFA level or flows from 2003 Withdrawals Condition to 2016-2020 RC	
2005 and Pre-2000	2005 freeboard minus average change in UFA level or flows from 2005 Withdrawals Condition to 2016-2020 RC	2005 Withdrawals Condition and 2016-2020 RC
2014-2018 avg*	2014-2018 average freeboard minus average change in UFA level or flows from 2014-2018 Withdrawals Condition to 2016-2020 RC	2014-2018 Withdrawals Condition and 2016-2020 RC

Notes for **Table C-7**.

* Used to assess water bodies under re-evaluation that have new recommended minimum flows or levels that will likely be in rulemaking at the time of publication of the 2025 CFWI RWSP.

RC==reference condition; UFA==Upper Floridan aquifer

2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions Freeboard or deficit Calculation for the St. Johns River Water Management District

The procedure used to predict freeboard or deficits for MFLs for the 2025, 2030, 2035, 2040 and 2045 Withdrawals Conditions was similar to that used for prediction of freeboard or deficit values for the 2016-2020 RC.

Using the results from the ECFTXv2.0 model runs for the 2016-2020 RC, 2025, 2030, 2035, 2040 and 2045 Withdrawals Conditions, the mean difference in predicted monthly UFA water levels between the 2016-2020 RC and each future Withdrawals Condition was determined. For this step, the mean UFA water level for lake/wetland MFLs and mean flow for spring MFLs predicted for the 2025, 2030, 2035, 2040 and 2045 Withdrawals Conditions was subtracted from the mean UFA water level or spring flow predicted for the 2016-2020 RC. Positive differences were considered representative of the mean, relative (between scenario) drawdown or lowering of UFA water levels or spring flows, and negative differences were considered indicative of the mean, relative rebound, or increased UFA water levels or spring flows between the scenarios.

Predicted freeboard or deficit for the 2025, 2030, 2035, 2040 and 2045 Withdrawals Conditions was calculated by subtracting the drawdown or flow reduction estimated for each corresponding MFL water body from the freeboard or deficit estimated for each MFL water body for the 2016-2020 RC.

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Methods Associated with Minimum Flows and Minimum Water Levels in the Southwest Florida Water Management District

The status of the assessed criteria for the 2016-2020 RC was derived using previously determined freeboard or deficit values, and results from the Calibration Withdrawals Condition and 50 percent Reduced Calibration Withdrawals Condition scenarios completed with ECFTXv2.0 model. Status assessments for the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions were subsequently completed based on comparisons between drawdown predicted for future conditions and status determinations predicted for the 2016-2020 RC.

Lakes in the Southwest Florida Water Management District

The SWFWMD has 20 lakes with adopted MFLs within the CFWI Planning Area. Methods used for their development have evolved since the initiation of SWFWMD's MFLs program. In general, the methods used early in the program do not support the determination of available freeboard. This meant that 9 lakes (Annie, Bonnie, Clinch, Crystal, Dinner, Lee, Mabel, North Wales, and Venus) of the 20 lakes with adopted MFLs were excluded from consideration as environmental criteria that could be used to support groundwater withdrawals impact assessments. The other 11 lakes have been established or re-evaluated with methods amenable to freeboard or deficit determinations.

Two of the 11 lakes where freeboard or deficit could be evaluated are in areas with sufficient confinement between the lake and the UFA resulting in a "no significant Floridan aquifer connection" (NSFAC) designation. These lakes are not sensitive to impacts from Floridan aquifer withdrawals; thus, no freeboard or deficit analysis is needed. As a result, freeboard or deficit predictions were limited to nine lakes with established MFLs. An overview of methods for development of lake models used in the establishment of lake MFLs is provided below; specific details for each MFL can be found in lake-specific MFLs reports available at: www.swfwmd.state.fl.us.

Overview of the Southwest Florida Water Management District Lake Minimum Flows and Minimum Water Level Establishment

The current method used by SWFWMD for lake MFLs establishment includes development of a lake-specific water budget model calibrated to a recent period (typically 10 or more years) with stable groundwater withdrawals representative of current conditions. The UFA water levels measured at a nearby monitoring well, vertically adjusted for location, are incorporated into the water budget model as a lower boundary condition. Surficial aquifer water levels are also prescribed in the water budget model and adjusted, as appropriate, based on the lake location.

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Following calibration of the water budget model, drawdown was removed from the UFA by the addition of recovery (i.e., rebound) equal to the UFA drawdown. Unless otherwise noted in MFL lake-specific model documentation, UFA drawdown calculated from the ECFT model (Sepúlveda et al. 2012) was determined by doubling the drawdown resulting from a 50 percent reduction in water use. The surficial drawdown from the ECFT model was not used directly. Instead, the leakance coefficient from the water budget model was used along with a relationship established between the leakance coefficient and the ratio of SAS to UFA drawdown (SWFWMD 1999). The resulting water level time series or hydrograph represents a non-pumping condition.

A long-term non-impacted lake water level data series is derived by using the non-pumping condition water budget model as part of a regression analysis based on local rainfall data to develop a lake-specific rainfall regression model. The regression model is used to extend the non-pumping condition lake hydrograph back to 1946, resulting in a 60-year or greater historic lake hydrograph.

Southwest Florida Water Management District Determination of Total Freeboard for Lakes

The lake-specific water budget and rainfall regression models were used to determine the total freeboard available from a non-pumping condition for MFL lakes used as environmental criteria in support of the 2025 CFWI RWSP (**Table C-8**). These total freeboard estimates were developed based on a long-term period exceeding 60 years, and as such, they incorporate expected wet and dry hydrologic conditions. Total freeboard for each lake was estimated by lowering the water level hydrographs for the UFA well and SAS well used in the non-pumping condition water budget model until the rainfall regression model produced lake stage exceedance percentiles matching the MFLs adopted for the lake.

Table C-8. Total freeboard or deficits and other summary information for SWFWMD minimum flows and minimum water levels assessed as environmental criteria for the 2025 Central Florida Water Initiative Regional Water Supply Plan.

Map Grid [a]	Water Body Name	County	Water Body Type	Year Adopted	Total Freeboard (ft) [b]
C-4	Aurora, Lake	Polk	Lake	2018	2.0
C-4	Crooked Lake	Polk	Lake	2017	1.6
B-4	Eagle Lake	Polk	Lake	2017	2.2
C-4	Easy, Lake	Polk	Lake	2018	1.5
B-3	Eva, Lake	Polk	Lake	2018	2.0
B-4	Hancock, Lake	Polk	Lake	2016	NSFAC
B-3	Lowery, Lake	Polk	Lake	2018	13.1
B-4	McLeod Lake	Polk	Lake	2017	2.5
A-4	Parker, Lake	Polk	Lake	2021	NSFAC
C-4	Starr, Lake	Polk	Lake	2017	2.0
C-4	Wales (Wailes), Lake	Polk	Lake	2017	2.8

Notes for **Table C-8.**

[a] Map grid refers to **Figure C-1**.

[b] Freeboard values in feet in the Upper Floridan aquifer.

NSFAC: No significant Floridan aquifer connection.

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2016-2020 Reference Condition Freeboard or Deficit Calculation for Southwest Florida Water Management District Lakes

To determine the 2016-2020 RC freeboard or deficit for each MFL lake, a multi-step process was employed, using results from ECFTXv2.0 scenarios for the 12-year period.

1. Run the ECFTXv2.0 model for the 2016-2020 RC scenario adjusted for seasonality as described in **Appendix D**. The predicted 2016-2020 RC hydrograph for each assessed SWFWMD MFL lake (**Table C-8**) was generated for the scenario period. The hydrograph for each lake was based on average model-predicted water levels for all model grid cells that included the lake.

2. Run the ECFTXv2.0 model for the Calibration Withdrawals Condition and 50 percent Reduced Calibration Withdrawals Condition. UFA hydrographs (predicted monthly UFA levels) representing the area beneath each MFL lake were generated for the Calibration Withdrawals Condition and 50 percent Reduced Calibration Withdrawals Condition for the scenario period.

3. Predicted monthly UFA drawdown values associated with the Calibration Withdrawals Condition were calculated for each MFL lake. The monthly drawdown values were calculated by doubling the drawdown determined from subtraction of UFA water levels predicted for the 50 percent Reduced Calibration Withdrawals Condition from the UFA water levels predicted for the Calibration Withdrawals Condition.

4. Calculate a single UFA drawdown value associated with the Calibration Withdrawals Condition for each MFL lake. The single drawdown values were determined for each MFL lake by averaging the predicted monthly drawdown values for the Calibration Withdrawals Condition.

5. Prediction of the freeboard or deficit for each MFL lake for the Calibration Withdrawals Condition, was completed by subtracting the single UFA drawdown value predicted for the Calibration Withdrawals Condition from the total freeboard for the respective MFL lake identified in **Table C-8**.

6. The mean difference in predicted UFA water levels between the 2016-2020 RC and Calibration Withdrawals Condition was determined. The mean UFA water level beneath each MFL lake predicted for the 2016-2020 RC was subtracted from the corresponding mean UFA water level predicted for the Calibration Withdrawals Condition. Positive differences were considered representative of the mean relative drawdown or lowering of UFA water levels and negative differences were considered indicative of the mean relative rebound, or increased UFA water levels between the modeled scenarios.

7. For a final determination of the predicted 2016-2020 RC freeboard or deficit; the mean drawdown or rebound values were subtracted from the freeboard or deficit values predicted for the Calibration Withdrawals Condition for each MFL lake.

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2025, 2030, 2035, 2040 and 2045 Withdrawals Conditions Freeboard or Deficit Calculation for the Southwest Florida Water Management District Lakes

Predicted freeboard or deficit for the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions were calculated in two steps. For each lake MFL system, the mean UFA water level for each of these Withdrawals Conditions was subtracted from the mean UFA water level for the 2016-2020 RC to obtain the mean relative drawdown. Freeboard or deficit was then calculated by subtracting the mean relative drawdown for each lake MFL system for the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions from the freeboard or deficit predicted for each lake MFL system during the 2016-2020 RC.

Ridge Lake Wells (Regulatory Level) in the Southwest Florida Water Management District

As part of the SWUCA Recovery Strategy, WUP applications for groundwater withdrawals are also evaluated by the SWFWMD to determine whether the proposed withdrawals impact groundwater levels below Lake Wales Ridge lakes, including several lakes where MFLs are not being met.

An analysis was performed to determine if current water levels in the UFA in the Lake Wales Ridge area are above an established target level of 91.5 feet NGVD29 (**Figure C-8**). The target level was established (SWFWMD WUP Applicant's Handbook, Part B [SWFWMD 2015 revised 2022]) as the median of the 10-year moving average monthly water levels during the 1990s for five regulatory wells (Lake Alfred Deep, ROMP 28X, ROMP 57, ROMP 43XX, and Coley Deep) in the Lake Wales Ridge area (**Figure C-4**). The current water level is determined as the recent 10-year moving average monthly water level from these same five wells.

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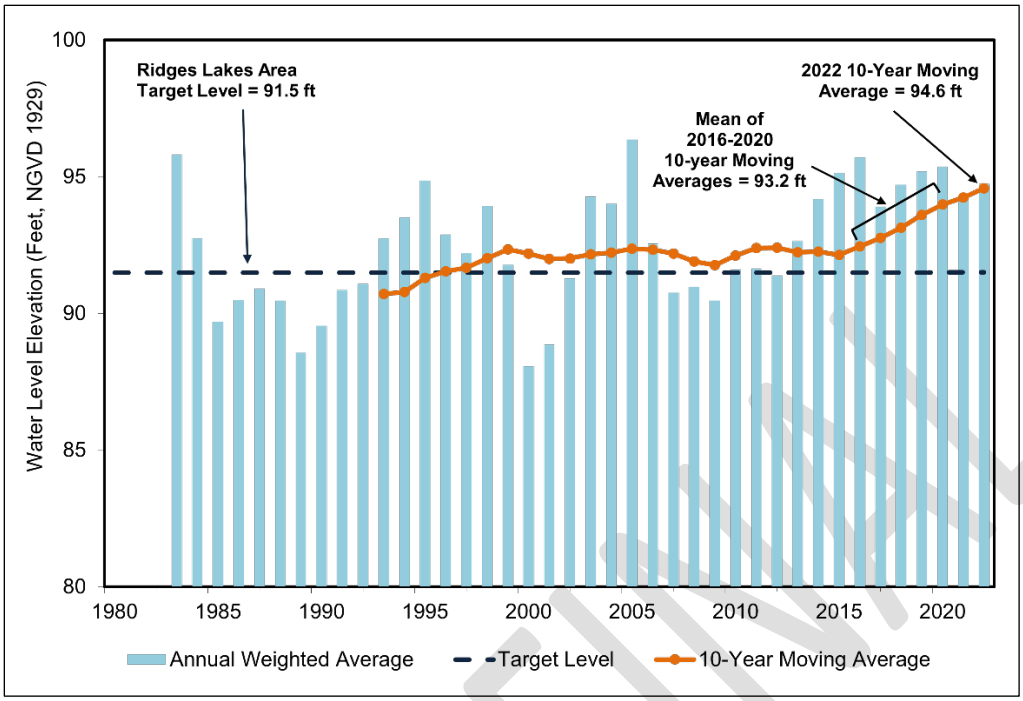


Figure C-8. Status of Upper Floridan aquifer water levels at wells in the Lake Wales Ridge area of the Southern Water Use Caution Area relative to a regulatory target water level.

Note: Bars show mean annual water levels for five regulatory wells; the dashed-black horizontal line identifies the target water level elevation of 91.5 feet NGVD29; and the orange symbols/line represent the running 10-year mean water levels for the wells through the 2022 value of 94.6 feet NGVD29. A 93.2 feet NGVD29 elevation based on the mean of the 10-year moving average monthly water level values from 2016-2020 was used in the freeboard analysis completed for this 2025 CFWI RWSP.

To assess the potential reduction of UFA water levels below the established Ridge Lake Wells target level, the predicted UFA water level change in the average water level of the five regulatory wells between the 2016-2020 RC and the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions was determined. The predicted water level changes for each projected Withdrawals Conditions were added to the 1.7 feet freeboard value calculated from the mean (93.2 feet NGVD29) of the 10-year moving monthly average observed well water levels from 2016-2020, to align with the 2016-2020 RC period. The resulting values represented predicted freeboard or deficits for the target wells for the five projected Withdrawals Conditions.

Although these predicted freeboard or deficit estimates were useful for evaluating potential CFWI Planning Area withdrawal effects on the Ridge Lake well water levels, they are not fully representative of compliance determinations for the regulatory well target levels. Compliance with the target level is based on the 10-year moving monthly average UFA water levels for the regulatory wells equaling or exceeding the target elevation of 91.5 feet above NGVD29. Consideration of this compliance requirement in the ECFTX modeling framework for the CFWI 2025 RWSP update required use of an average of the 10-year moving monthly average measured well water levels for a 5-year period (2016-2020) to align with the 2016-2020 RC that was based on average conditions for the same 5-year period.

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Upper Peace River Wells (Regulatory Level) in the Southwest Florida Water Management District

As part of the SWUCA Recovery Strategy, WUP applications for groundwater withdrawals are evaluated to determine whether the proposed withdrawals impact groundwater levels below the upper Peace River.

An analysis was performed to determine if current water levels in the UFA in the vicinity of the upper Peace River are above an established target regulatory level. The target level is 53.3 feet NGVD29 (**Figure C-9**) and was established (SWFWMD WUP Applicant's Handbook, Part B [SWFWMD 2015, revised 2022]) as the median of the 10-year moving average monthly water levels during the 1990s for five wells (ROMP 30, ROMP 31, ROMP 45, ROMP 59, and ROMP 60) (**Figure C-4**). The current water level is determined as the recent 10-year moving average monthly water level from these same five wells.

The intent for evaluation of this environmental criterion in CFWI Planning Area groundwater availability assessments was to screen withdrawal conditions for the potential to reduce UFA water levels below the established upper Peace River Wells target level. To accomplish this, the predicted UFA water level change in the average water level of the five wells between the 2016-2020 RC and the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions was determined. The predicted water level changes determined for each respective future Withdrawals Conditions were added to the 6.4 feet freeboard value (59.7 feet above NGVD29) calculated from the mean of the 10-year moving average observed well water levels from 2016-2020, to align with the 2016-2020 RC period. The resulting values represented predicted freeboard or deficit for the target wells for the five future Withdrawals Conditions.

Although these predicted freeboard or deficit estimates were useful for evaluating potential CFWI Planning Area withdrawal effects on the upper Peace River well water levels, they are not fully representative of potential compliance with the regulatory well target level. Reasons for the differences are the same as those described for the Ridge Lakes regulatory wells in the preceding section of this appendix.

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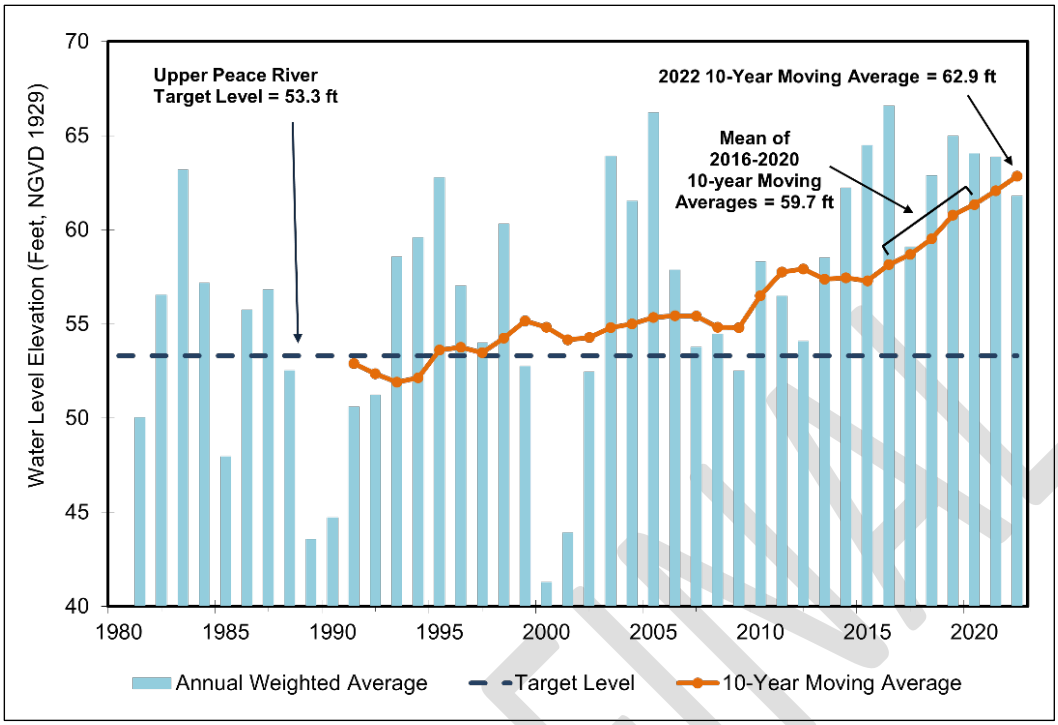


Figure C-9. Status of Upper Floridan aquifer water levels at wells in the upper Peace River area of the Southern Water Use Caution Area relative to a regulatory target water level.

Note: Bars show mean annual water levels for five regulatory wells; the dashed-black horizontal line identifies the target water level elevation of 53.3 feet NGVD29; and the orange symbols/line represents running 10-year mean water levels for the wells through the 2022 value of 62.9 feet NGVD29. A 59.7 feet NGVD29 elevation based on the mean of the 10-year moving average monthly water level values from 2016-2020 was used in the freeboard analysis completed for this 2025 CFWI RWSP.

RESULTS FOR FREEBOARD AND DEFICIT DETERMINATIONS FOR MINIMUM FLOWS AND MINIMUM WATER LEVEL AND RELATED ENVIRONMENTAL CRITERIA

2016-2020 Reference Condition Results

For the 2016-2020 RC, 30 of the 38 MFLs and MFL-related environmental criteria evaluated were predicted to be met (i.e., exhibited freeboard values greater than or equal to zero; **Tables C-9a and C9b**). However, eight of these criteria were characterized as not met for the 2016-2020 RC based on status assessments described in draft reports on proposed minimum flows for the Wekiva River at SR 46, the Little Wekiva River, Wekiwa Springs, Rock Springs, Palm Springs, Sanlando Springs, Starbuck Springs and Miami Springs (Sutherland et al. 2024a).

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Based on the amended status classifications for these proposed minimum flows, 22 MFLs and MFL-related environmental criteria were characterized as met and 16 were classified as not met for the 2016-2020 RC (**Tables C-9a**, **C-9b**, **C-10**, and **Figure C-10**). The 16 criteria that were not met for the 2016-2020 RC included MFLs established for eight lakes (Aurora, Crooked, Eagle, Easy, Eva, McLeod, Starr, and Wailes) in Polk County, and those proposed for two river segments (Little Wekiva River and Wekiva River at SR 46) and six springs (Miami, Palm, Rock, Sanlando, Starbuck, and Wekiwa Springs) in Lake, Orange, and Seminole counties.

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Table C-9a. Summary results for MFLs and MFL-related environmental criteria predicted for the modeled 2016-2020 Reference Condition, 2025 Withdrawals Condition, and 2030 Withdrawals Condition assessed with the ECFTXv2.0 model.

Map Grid[a]	Water Body or Regulatory Well Target Name	Adopted or Proposed Criterion	2016-2020 Reference Condition Status[b]	2016-2020 Reference Condition Freeboard or Deficit[c]	2025 Withdrawals Condition Status[b]	2025 Withdrawals Condition Freeboard or Deficit[c]	2030 Withdrawals Condition Status[b]	2030 Withdrawals Condition Freeboard or Deficit[c]
Lake and Wetland MFLs								
B-2	Apshawa Lake South	Adopted Proposed[d]	Met (P) Met	0.3 0.7	Met (P) Met	0.1 0.5	Not Met (P) Met	-0.1 0.4
C-4	Aurora, Lake	Adopted	Not Met (R)	-0.3	Not Met (R)	-0.2	Not Met (R)	-0.3
B-3	Boggy Marsh	Adopted	Met	2.8	Met	3.8	Met	3.8
C-2	Brantley, Lake	Adopted	Met	2.5	Met	2.1	Met	1.9
D-2	Burkett, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
B-2	Cherry Lake	Adopted	Met	1.9	Met	1.8	Met	1.8
C-4	Crooked Lake	Adopted	Not Met (R)	-3.2	Not Met (R)	-3.0	Not Met (R)	-3.2
B-4	Eagle Lake	Adopted	Not Met (R)	-7.3	Not Met (R)	-9.1	Not Met (R)	-9.6
C-4	Easy, Lake	Adopted	Not Met (R)	-3.0	Not Met (R)	-2.8	Not Met (R)	-2.9
B-2	Emma Lake	Adopted	Met	3.8	Met	3.8	Met	3.8
B-3	Eva, Lake	Adopted	Not Met (R)	-2.8	Not Met (R)	-3.0	Not Met (R)	-3.5
B-4	Hancock, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
D-2	Howell Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
D-2	Irma, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
B-2	Louisa, Lake	Adopted	Met	2.2	Met	2.0	Met	1.9
B-3	Lowery, Lake	Adopted	Met	10.0	Met	9.6	Met	9.4
B-2	Lucy, Lake	Adopted	Met	3.8	Met	4.0	Met	4.1
D-2	Martha, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
B-4	McLeod Lake	Adopted	Not Met (R)	-7.4	Not Met (R)	-9.0	Not Met (R)	-9.5
D-2	Mills Lake	Adopted	Met	2.7	Met	2.5	Met	2.4
B-2	Minneola, Lake	Adopted	Met	2.0	Met	1.9	Met	1.8
A-4	Parker, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
D-2	Pearl, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
B-2	Pine Island Lake	Adopted	Met	1.3	Met	1.4	Met	1.4
C-2	Prevatt, Lake	Adopted	Met	1.1	Met	1.1	Met	1.1
C-4	Starr, Lake	Adopted	Not Met (R)	-3.1	Not Met (R)	-2.6	Not Met (R)	-2.8

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Table C-9a. Summary results for MFLs and MFL-related environmental criteria predicted for the modeled 2016-2020 Reference Condition, 2025 Withdrawals Condition, and the 2030 Withdrawals Condition assessed with the ECFTXv2.0 model (continued).

Map Grid[a]	Water Body or Regulatory Well Target Name	Adopted or Proposed Criterion	2016-2020 Reference Condition Status[b]	2016-2020 Reference Condition Freeboard or Deficit[c]	2025 Withdrawals Condition Status[b]	2025 Withdrawals Condition Freeboard or Deficit[c]	2030 Withdrawals Condition Status[b]	2030 Withdrawals Condition Freeboard or Deficit[c]
Lake and Wetland MFLs								
C-1	Sylvan Lake	Adopted Proposed[d]	Met Met (P)	1.2 0.6	Met Met (P)	1.1 0.4	Met Met (P)	0.9 0.2
C-4	Wailes, Lake	Adopted	Not Met (R)	-2.6	Not Met (R)	-2.5	Not Met (R)	-2.7
River MFLs								
C-2	Little Wekiva River	Proposed[d]	Not Met (R)[e]	0.2	Not Met (R)[e]	-0.9	Not Met (R)[e]	-1.5
C-1	Wekiva River at SR 46	Adopted Proposed[d]	Met Not Met (R)[e]	10.6 2.6	Met Not Met (R)[e]	6.3 -1.7	Met Not Met (R)[e]	4.4 -3.6
Spring MFLs								
C-2	Miami Springs	Adopted Proposed[d]	Met Not Met (R)[e]	1.0 0.0	Met Not Met (R)[e]	1.0 0.0	Met Not Met (R)[e]	0.9 -0.1
C-2	Palm Springs	Adopted Proposed[d]	Not Met (R) Not Met (R)[e]	-1.7 0.0	Not Met (R) Not Met (R)[e]	-1.9 -0.1	Not Met (R) Not Met (R)[e]	-1.9 -0.2
C-1	Rock Springs	Adopted Proposed[d]	Met (P) Not Met (R)[e]	3.5 0.6	Met (P) Not Met (R)[e]	1.3 -1.6	Met (P) Not Met (R)[e]	0.4 -2.5
C-2	Sanlando Springs	Adopted Proposed[d]	Met Not Met (R)[e]	4.4 0.1	Met Not Met (R)[e]	3.7 -0.5	Met Not Met (R)[e]	3.4 -0.9
C-2	Starbuck Spring	Adopted Proposed[d]	Met (P) Not Met (R)[e]	0.3 0.1	Met (P) Not Met (R)[e]	0.0 -0.2	Not Met (P) Not Met (R)[e]	-0.2 -0.4
C-2	Wekiwa Springs	Adopted Proposed[d]	Met Not Met (R)[e]	2.9 0.1	Met Not Met (R)[e]	2.4 -0.3	Met Not Met (R)[e]	2.2 -0.6
Regulatory Wells								
Figure C-4	Ridge Lakes Regulatory Wells[f]	Adopted	Met	1.7	Met	1.8	Met	1.7
Figure C-4	Upper Peace River Regulatory Wells[f]	Adopted	Met	6.4	Met	5.4	Met	4.6

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Notes for **Table C-9a**.

NSFAC: No significant Floridan aquifer connection; so, freeboard or deficit values were not determined.

[a] Map grid refers to **Figures C-10, C-11, and C-12**, except for the Ridge Lake and upper Peace River Regulatory Wells, which are shown in **Figure C-4**.

[b] Status addresses whether environmental criteria are met based on predicted freeboard or deficit values; Met if freeboard ≥ 0; Not Met if freeboard < 0, i.e., if a deficit occurs. (R) or (P) designations in the status columns respectively denote predicted recovery or prevention status for MFLs and MFL-related environmental criteria; recovery means Not Met for the 2016-2020 RC and all other scenarios, while prevention means Not Met only for the 2025, 2030, 2035, 2040, or 2045 Withdrawals Conditions

[c] Freeboard and deficit (i.e., negative freeboard) values expressed as change in UFA level in feet or change in cubic feet per second (springs and rivers) that would be associated with a change in status for the MFLs and MFL-related environmental criteria. NSFAC indicates no significant Floridan aquifer connection, so freeboard or deficit values were not determined.

[d] Proposed criterion are based on the Draft MFL reports for the Wekiva River Basin (Sutherland, et. al 2024a), Sylvan Lake (Deschler, et. al 2023), and Apshawa Lake South (Sutherland, et. al 2024b). Apshawa Lake South MFLs are anticipated to be re-evaluated in 2025 and Wekiva River Basin and Sylvan Lake MFLs are anticipated to be re-evaluated or adopted in 2026.

[e] Status characterized as Not Met (R) rather than Met or Not Met (P) is based on the status assessment included in a draft MFLs report rather than the freeboard determined for the 2016-2020 Reference Condition (RC) evaluated for this 2025 RWSP.

[f] Some established Ridge Lakes and upper Peace River regulatory wells associated with the SWUCA recovery strategy are outside of the CFWI Planning Area, but groundwater withdrawals within the CFWI Planning Area may affect water levels in the wells.

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Table C-9b. Summary results for minimum flows and minimum water levels and MFL-related environmental criteria predicted for the modeled 2035, 2040 and 2045 Withdrawals Conditions assessed with the ECFTX v.2.0 model.

Map Grid[a]	Water Body or Regulatory Well Target Name	Adopted or Proposed Criterion	2035 Withdrawals Condition Status[b]	2035 Withdrawals Condition Freeboard or Deficit[c]	2040 Withdrawals Condition Status[b]	2040 Withdrawals Condition Freeboard or Deficit[c]	2045 Withdrawals Condition Status[b]	2045 Withdrawals Condition Freeboard or Deficit[c]
Lake and Wetland MFLs								
B-2	Apshawa Lake South	Adopted Proposed[d]	Not Met (P) Met	-0.2 0.3	Not Met (P) Met	-0.3 0.2	Not Met (P) Met	-0.3 0.1
C-4	Aurora, Lake	Adopted	Not Met (R)	-0.4	Not Met (R)	-0.4	Not Met (R)	-0.4
B-3	Boggy Marsh	Adopted	Met	3.8	Met	3.9	Met	3.9
C-2	Brantley, Lake	Adopted	Met	1.7	Met	1.6	Met	1.5
D-2	Burkett, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
B-2	Cherry Lake	Adopted	Met	1.7	Met	1.7	Met	1.6
C-4	Crooked Lake	Adopted	Not Met (R)	-3.2	Not Met (R)	-3.2	Not Met (R)	-3.2
B-4	Eagle Lake	Adopted	Not Met (R)	-9.8	Not Met (R)	-10.1	Not Met (R)	-10.4
C-4	Easy, Lake	Adopted	Not Met (R)	-3.0	Not Met (R)	-3.0	Not Met (R)	-3.1
B-2	Emma Lake	Adopted	Met	3.7	Met	3.7	Met	3.6
B-3	Eva, Lake	Adopted	Not Met (R)	-3.9	Not Met (R)	-4.2	Not Met (R)	-4.5
B-4	Hancock, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
D-2	Howell Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
D-2	Irma, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
B-2	Louisa, Lake	Adopted	Met	1.9	Met	1.8	Met	1.8
B-3	Lowery, Lake	Adopted	Met	9.3	Met	9.1	Met	9.0
B-2	Lucy, Lake	Adopted	Met	4.0	Met	3.9	Met	3.9
D-2	Martha, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
B-4	McLeod Lake	Adopted	Not Met (R)	-9.7	Not Met (R)	-10.0	Not Met (R)	-10.3
D-2	Mills Lake	Adopted	Met	2.3	Met	2.2	Met	2.2
B-2	Minneola, Lake	Adopted	Met	1.7	Met	1.6	Met	1.6
A-4	Parker, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
D-2	Pearl, Lake	Adopted	Met	NSFAC	Met	NSFAC	Met	NSFAC
B-2	Pine Island Lake	Adopted	Met	1.3	Met	1.3	Met	1.3
C-2	Prevatt, Lake	Adopted	Met	1.0	Met	1.0	Met	1.0
C-4	Starr, Lake	Adopted	Not Met (R)	-2.9	Not Met (R)	-3.1	Not Met (R)	-3.2

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Table C-9b. Summary results for minimum flows and minimum water levels and MFL-related environmental criteria predicted for the modeled 2035, 2040 and 2045 Withdrawals Conditions assessed with the ECFTX v 2.0 model (continued).

Map Grid[a]	Water Body or Regulatory Well Target Name	Adopted or Proposed Criterion	2035 Withdrawals Condition Status[b]	2035 Withdrawals Condition Freeboard or Deficit[c]	2040 Withdrawals Condition Status[b]	2040 Withdrawals Condition Freeboard or Deficit[c]	2045 Withdrawals Condition Status[b]	2045 Withdrawals Condition Freeboard or Deficit[c]
Lake and Wetland MFLs								
C-1	Sylvan Lake	Adopted Proposed[d]	Met Met (P)	0.8 0.1	Met Met (P)	0.7 0.0	Met Not Met (P)	0.6 -0.1
C-4	Wailes, Lake	Adopted	Not Met (R)	-2.9	Not Met (R)	-3.0	Not Met (R)	-3.2
River MFLs								
C-2	Little Wekiva River	Proposed[d]	Not Met (R)[e]	-2.0	Not Met (R)[e]	-2.4	Not Met (R)[e]	-2.5
C-1	Wekiva River at SR 46	Adopted Proposed[d]	Met Not Met (R)[e]	2.8 -5.2	Met Not Met (R)[e]	1.4 -6.6	Met Not Met (R)[e]	0.8 -7.2
Spring MFLs								
C-2	Miami Springs	Adopted Proposed[d]	Met Not Met (R)[e]	0.9 -0.1	Met Not Met (R)[e]	0.9 -0.1	Met Not Met (R)[e]	0.9 -0.2
C-2	Palm Springs	Adopted Proposed[d]	Not Met (R) Not Met (R)[e]	-2.0 -0.2	Not Met (R) Not Met (R)[e]	-2.0 -0.3	Not Met (R) Not Met (R)	-2.1 -0.3
C-1	Rock Springs	Adopted Proposed[d]	Not Met (P) Not Met (R)[e]	-0.4 -3.2	Not Met (P) Not Met (R)[e]	-1.0 -3.9	Not Met (P) Not Met (R) [e]	-1.4 -4.3
C-2	Sanlando Springs	Adopted Proposed[d]	Met Not Met (R)[e]	3.2 -1.1	Met Not Met (R)[e]	2.9 -1.3	Met Not Met (R)[e]	2.8 -1.4
C-2	Starbuck Spring	Adopted Proposed[d]	Not Met (P) Not Met (R) [e]	-0.3 -0.5	Not Met (P) Not Met (R)[e]	-0.4 -0.6	Not Met (P) Not Met (R)[e]	-0.4 -0.6
C-2	Wekiwa Springs	Adopted Proposed[d]	Met Not Met (R)[e]	2.0 -0.8	Met Not Met (R)[e]	1.8 -1.0	Met Not Met (R)[e]	1.7 -1.1
Regulatory Wells								
Figure C-4	Ridge Lakes Regulatory Wells[f]	Adopted	Met	1.7	Met	1.7	Met	1.7
Figure C-4	Upper Peace River Regulatory Wells[f]	Adopted	Met	4.6	Met	4.5	Met	4.3

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Notes for **Table C-9b.**

NSFAC: No significant Floridan aquifer connection; so, freeboard or deficit values were not determined.

[a] Map grid refers to **Figures C-13, C-14, and C-15**, except for the Ridge Lake and upper Peace River Regulatory Wells, which are shown in **Figure C-4**.

[b] Status addresses whether environmental criteria are met based on predicted freeboard or deficit values; Met if freeboard ≥ 0; Not Met if freeboard < 0, i.e., if a deficit occurs. (R) or (P) designations in the status columns respectively denote predicted recovery or prevention status for MFLs and MFL-related environmental criteria; recovery means Not Met for the 2016-2020 RC (**Table C-9**) and all other scenarios, while prevention means Not Met only for the 2025, 2030, 2035, 2040, or 2045 Withdrawals Conditions.

[c] Freeboard and deficit (i.e., negative freeboard) values expressed as change in UFA level in feet or change in cubic feet per second (springs and rivers) that would be associated with a change in status for the MFLs and MFL-related environmental criteria. NSFAC indicates no significant Floridan aquifer connection, so freeboard or deficit values were not determined.

[d] Proposed criterion are based on the Draft MFL reports for the Wekiva River Basin (Sutherland, et. al 2024a), Sylvan Lake (Deschler, et. al 2023), and Apshawa Lake South (Sutherland, et. al 2024b). Apshawa Lake South MFLs are anticipated to be re-evaluated in 2025 and Wekiva River Basin and Sylvan Lake MFLs are anticipated to be re-evaluated or adopted in 2026.

[e] Status characterized as Not Met (R) rather than Met or Not Met (P) based on status assessment included in a draft MFLs report rather than the freeboard determined for the 2016-2020 Reference Condition (RC) evaluated for the 2025 CFWI RWSP.

[f] Some established Ridge Lakes and upper Peace River regulatory wells associated with the SWUCA recovery strategy are outside of the CFWI Planning Area, but groundwater withdrawals within the CFWI Planning Area may affect water levels in the wells.

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Table C-10. Summary results for MFLs and MFL-related environmental criteria identified for the 2016-2020 Reference Condition and 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions assessed with the ECFTXv2.0 model (MFL status may vary from the STAR report).

MFLs and MFL-Related Environmental Criteria	ECFTX Model Withdrawals Condition					
	2016-2020 Reference Condition	2025 Withdrawals Condition	2030 Withdrawals Condition	2035 Withdrawals Condition	2040 Withdrawals Condition	2045 Withdrawals Condition
Number Met	22	22	22	22	22	21
Number Not Met	16*	16*	16	16	16	17

Notes for **Table C-10**.

* Some environmental criteria were classified as Not Met despite being associated with freeboard values of zero or greater derived from ECFTXv2.0 modeling results; status determinations for these criteria were based on assessments included in draft MFLs reports describing proposed minimum flows for these water bodies.

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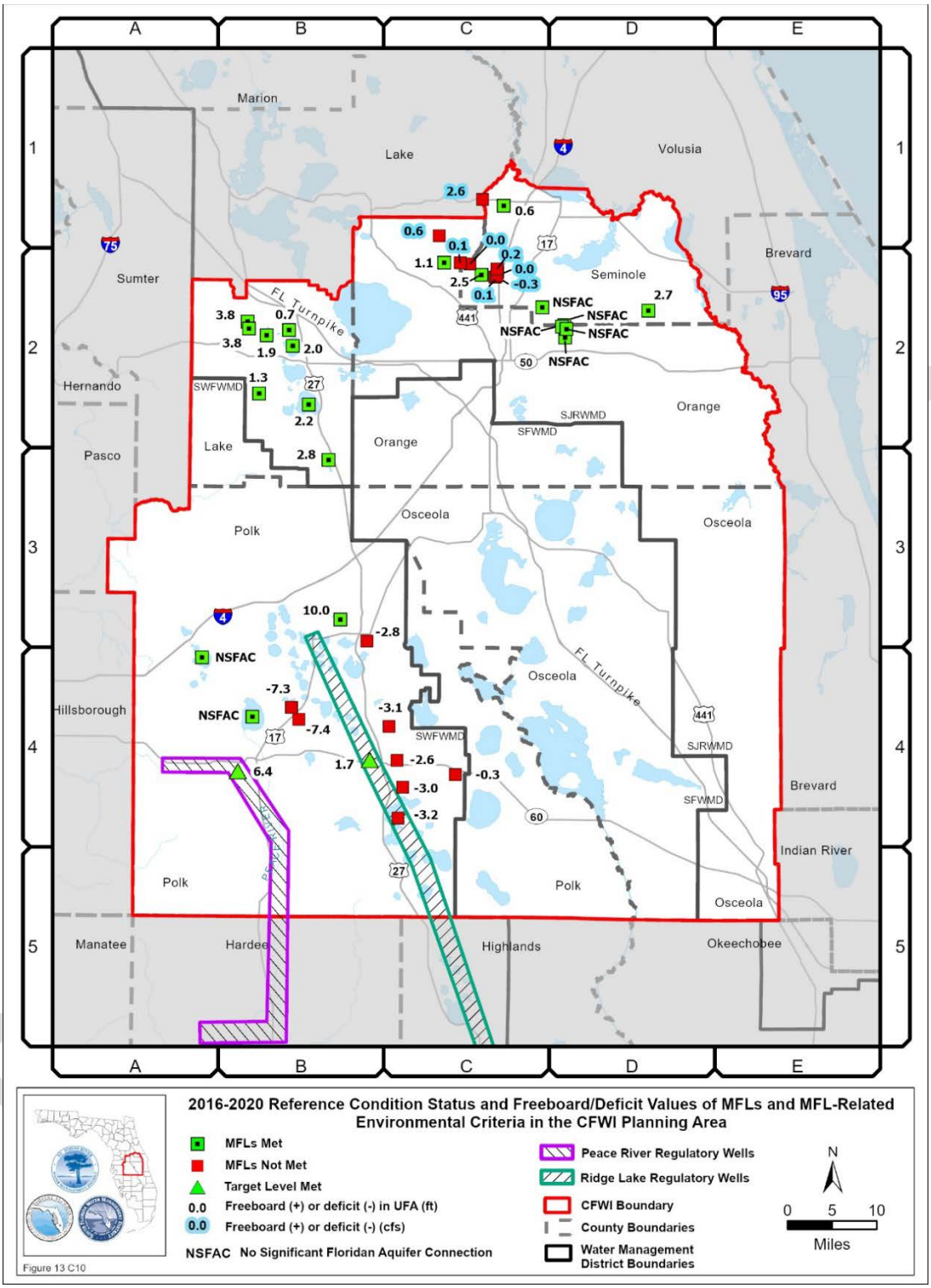


Figure C-10. 2016-2020 Reference Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria assessed.

Note: Freeboard and deficit values expressed in feet (non-highlighted values) or cubic feet per second (highlighted values), with NSFAC indicating freeboard or deficit was not established due to no significant Floridan aquifer connection at the site. Status and freeboard or deficit is shown for adopted MFLs for 26 water bodies, proposed MFLs for 10 water bodies, and 2 regulatory well target levels (average of 5 wells for each target level). Refer to **Table C-9a** for map grid details.

RESULTS OF FUTURE SCENARIOS

2025, 2030, 2035, and 2040 Withdrawals Conditions Results

Twenty-two of the 38 MFLs and MFL-related environmental criteria were predicted to be met (exhibited freeboard values greater than or equal to zero) and 16 not met (exhibited deficits, i.e., freeboard values less than zero) under the 2025, 2030, 2035, and 2040 Withdrawals Conditions.

The statuses (met/not met) of the 38 MFLs and MFL-related environmental criteria under the 2025 Withdrawals Condition remained unchanged in the 2030, 2035, and 2040 Withdrawals Conditions, despite increased demand. Although status was unchanged for all assessed criteria between the 2016-2020 RC and the 2025, 2030, 2035, and 2040 Withdrawals Conditions, many of the MFLs and MFL-related criteria exhibited a decline in freeboard or an increase in deficit (**Tables C-9a, C-9b,** and **C-10**; **Figures C-10 through C-14**).

2045 Withdrawals Condition Results

For the 2045 Withdrawals Condition, 21 of the 38 MFLs and MFL-related environmental criteria were predicted to be met and 17 not met. The status of one MFL criteria (Sylvan Lake) changed from met to not met when compared to the 2040 Withdrawals Condition **(Tables - 9a, C-9b,** and **C-10, Figures C-14** and **C-15)**.

The 17 criteria not met under the 2045 Withdrawals Condition included the 16 criteria characterized as not met for the 2016-2020 RC, and the proposed MFLs for Sylvan Lake.

Although status changed for only one criterion between the 2016-2020 RC and the 2045 Withdrawals Condition, many of the MFLs and MFL-related criteria exhibited a decline in freeboard or an increase in deficit (**Tables C-9a, C-9b** and **C-10, Figures C-10** and **C-15**).

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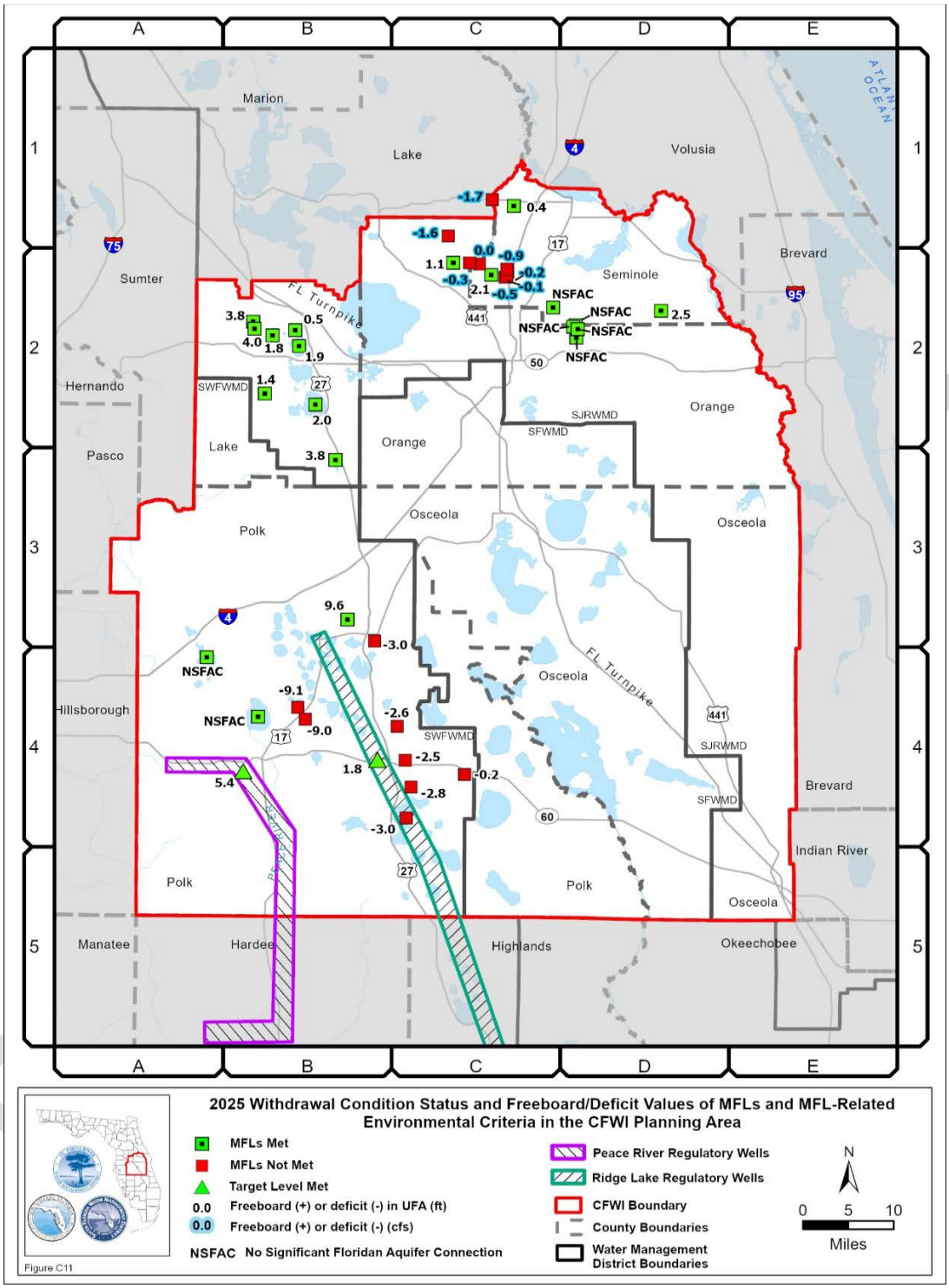


Figure C-11. Predicted 2025 Withdrawals Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria in the CFWI Planning Area.

Note: Freeboard and deficit values expressed in feet (non-highlighted values) or cubic feet per second (highlighted values), with NSFAC indicating freeboard or deficit was not established due to no significant Floridan aquifer connection at the site. Status and freeboard or deficit is shown for adopted MFLs for 26 water bodies, proposed MFLs for 10 water bodies, and 2 regulatory well target levels (average of 5 wells for each target level). Refer to **Table C-9a** for map grid details.

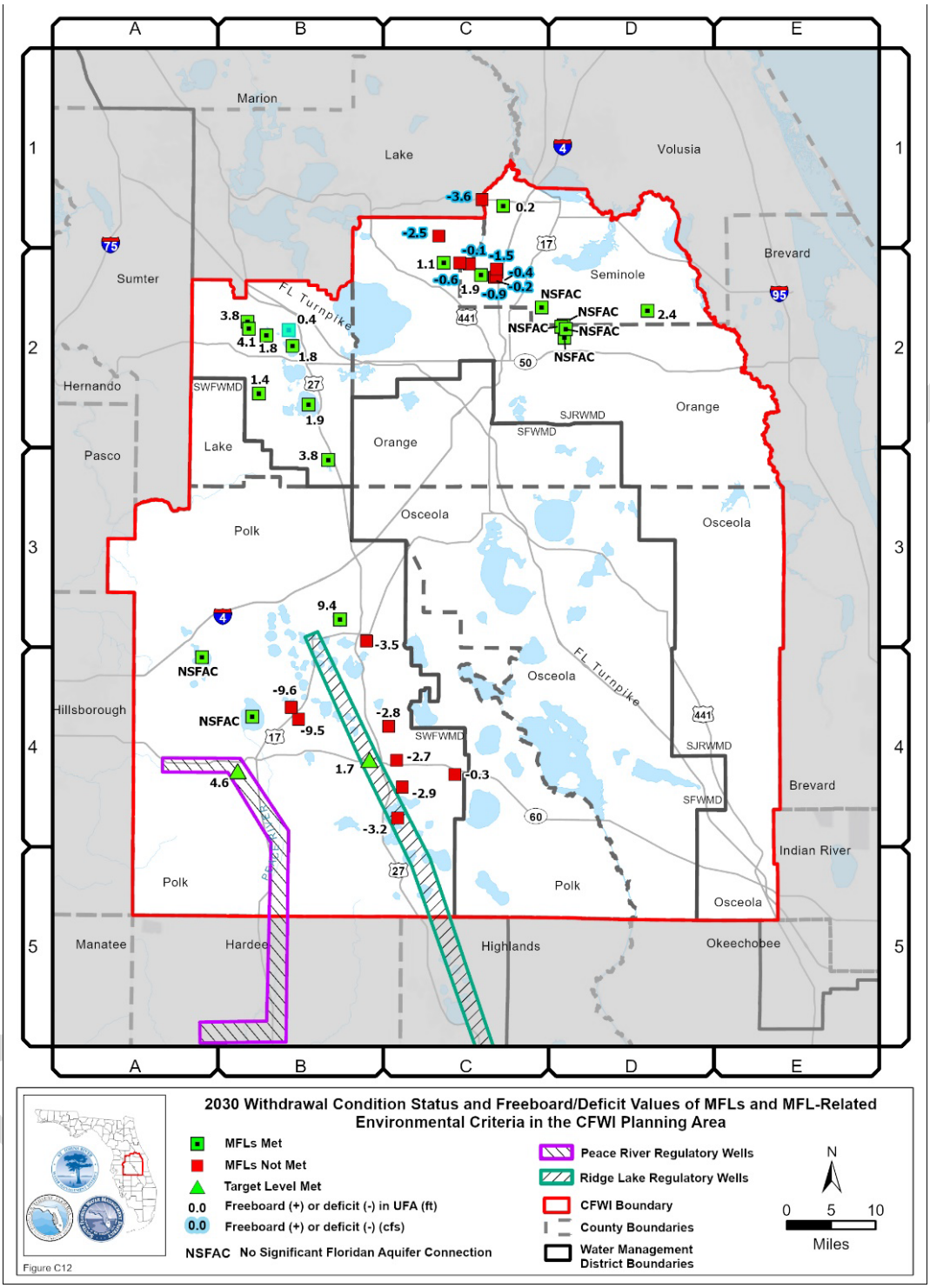


Figure C-12. Predicted 2030 Withdrawals Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria in the Central Florida Water Initiative Planning Area.

Note: Freeboard and deficit values expressed in feet (non-highlighted values) or cubic feet per second (highlighted values), with NSFAC indicating freeboard or deficit was not established due to no significant Floridan aquifer connection at the site. Status and freeboard or deficit is shown for adopted MFLs for 26 water bodies, proposed MFLs for 10 water bodies, and 2 regulatory well target levels (average of 5 wells for each target level). Refer to **Table C-9a** for map grid details.

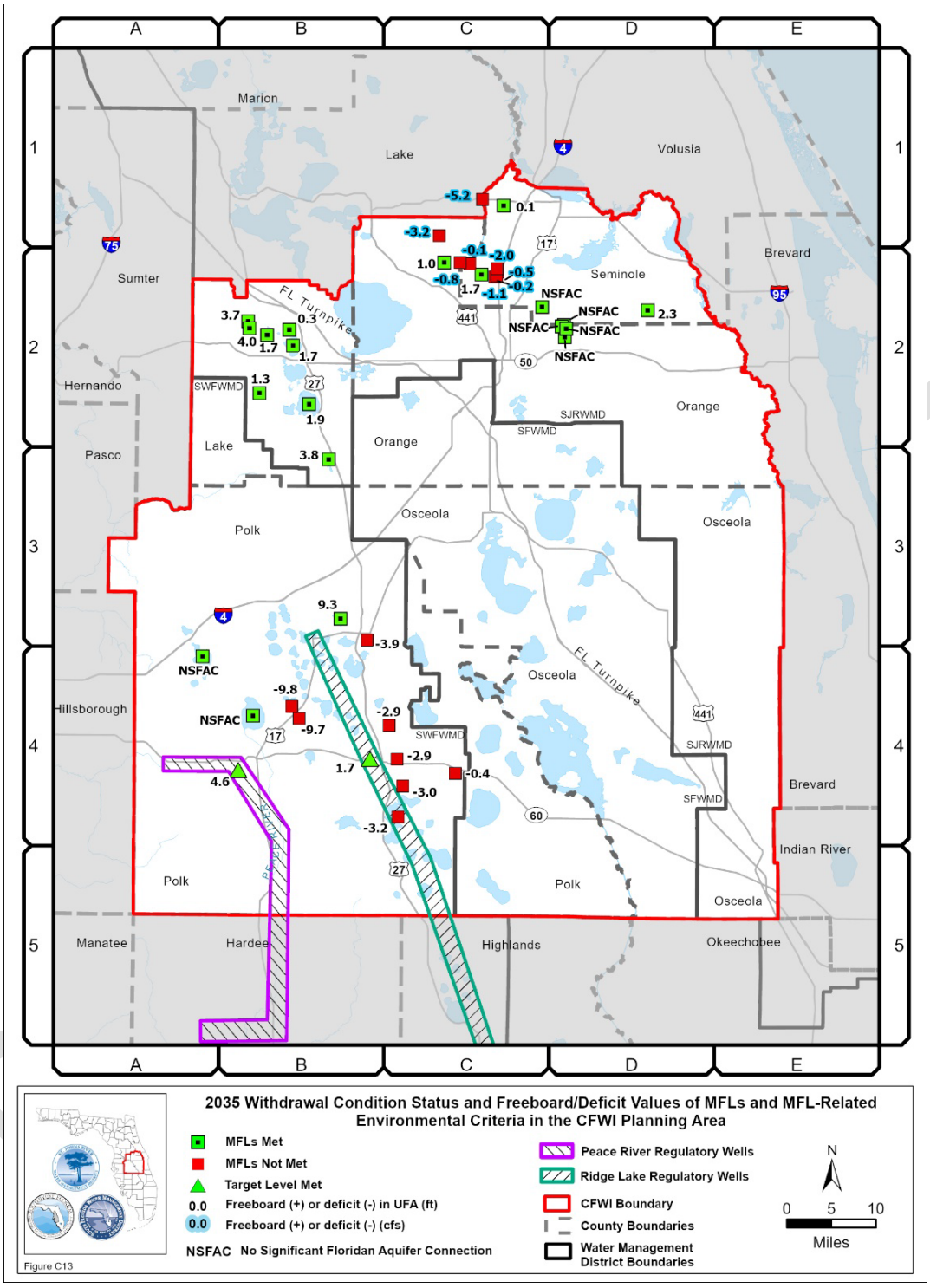


Figure C-13. Predicted 2035 Withdrawals Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria in the Central Florida Water Initiative Planning Area.

Note: Freeboard and deficit values expressed in feet (non-highlighted values) or cubic feet per second (highlighted values), with NSFAC indicating freeboard or deficit was not established due to no significant Floridan aquifer connection at the site. Status and freeboard or deficit is shown for adopted MFLs for 26 water bodies, proposed MFLs for 10 water bodies, and 2 regulatory well target levels (average of 5 wells for each target level). Refer to **Table C-9b** for map grid details.

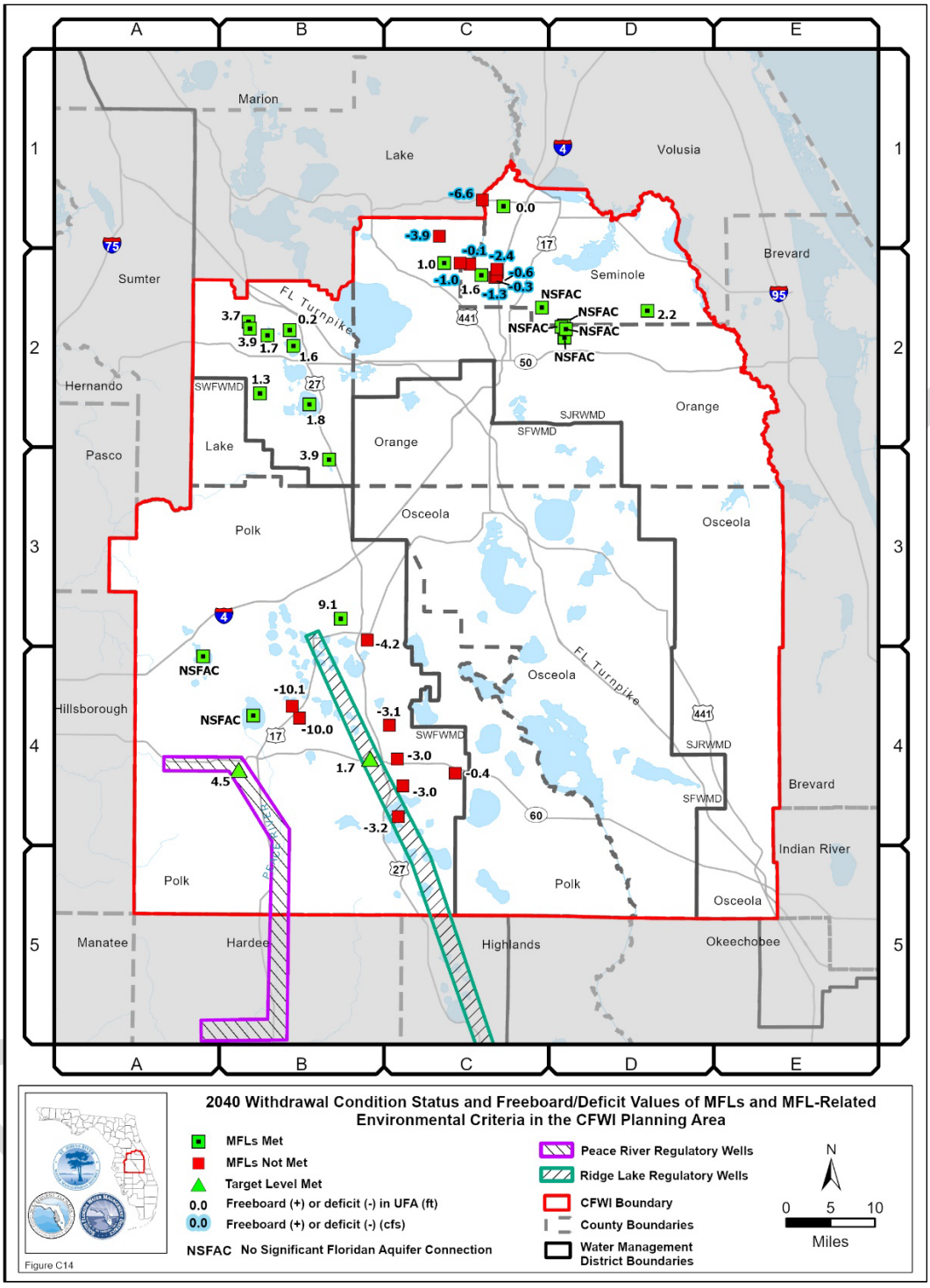


Figure C-14. Predicted 2040 Withdrawals Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria in the Central Florida Water Initiative Planning Area.

Note: Freeboard and deficit values expressed in feet (non-highlighted values) or cubic feet per second (highlighted values), with NSFAC indicating freeboard or deficit was not established due to no significant Floridan aquifer connection at the site. Status and freeboard or deficit is shown for adopted MFLs for 26 water bodies, proposed MFLs for 10 water bodies, and 2 regulatory well target levels (average of 5 wells for each target level). Refer to **Table C-9b** for map grid details.

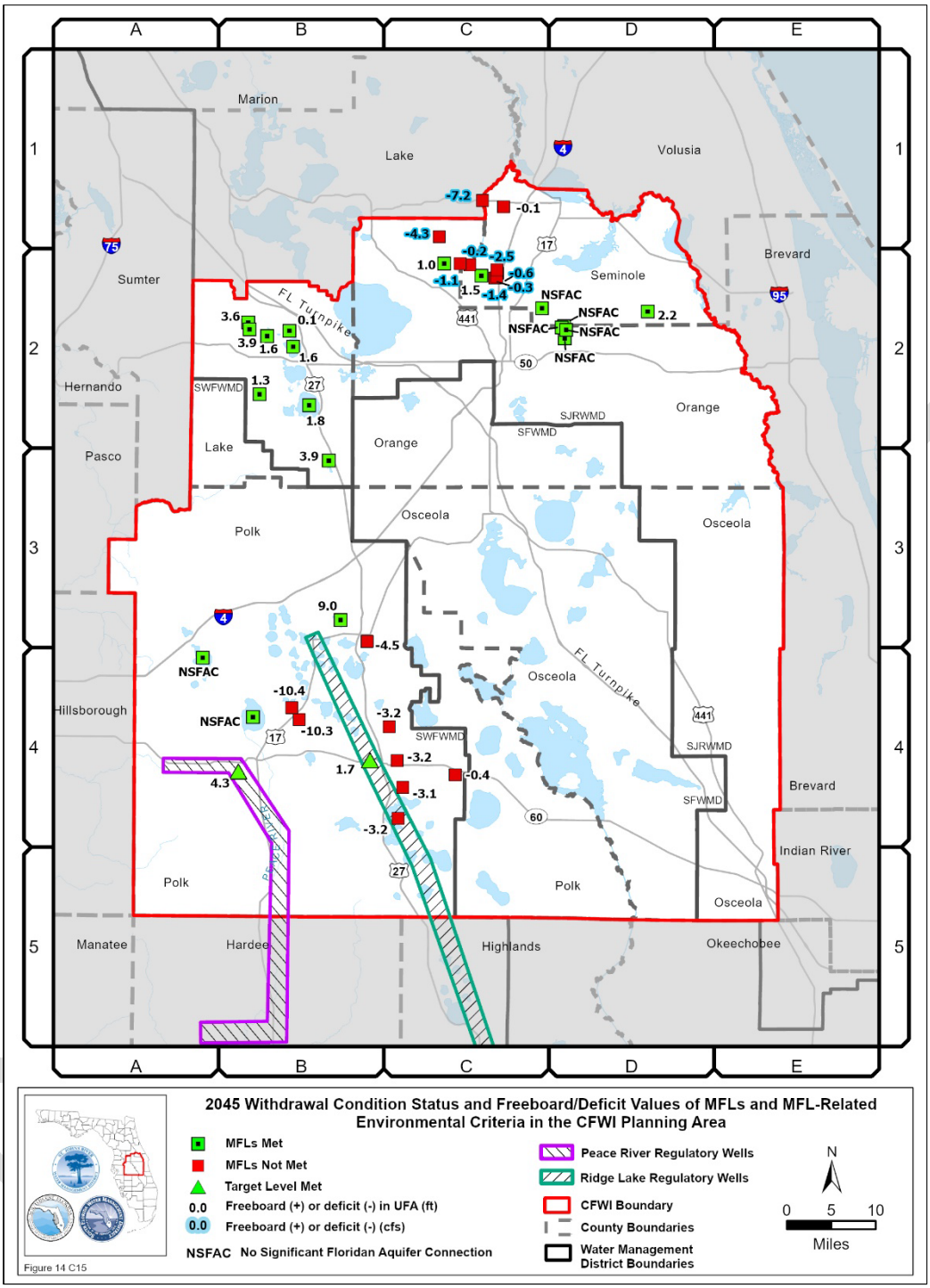


Figure C-15. Predicted 2045 Withdrawals Condition status (met or not met) and freeboard or deficit values for MFLs and MFL-related environmental criteria in the Central Florida Water Initiative Planning Area.

Note: Freeboard and deficit values expressed in feet (non-highlighted values) or cubic feet per second (highlighted values), with NSFAC indicating freeboard or deficit was not established due to no significant Floridan aquifer connection at the site. Status and freeboard or deficit is shown for adopted MFLs for 26 water bodies, proposed MFLs for 10 water bodies, and two regulatory well target levels (average of 5 wells for each target level). Refer to **Table C-9b** for map grid details.

MINIMUM FLOWS AND MINIMUM WATER LEVELS AND MFL-RELATED ENVIRONMENTAL CRITERIA ASSESSMENT LIMITATIONS

The analyses and results presented are based upon the best available data and modeling tools at the time this 2025 CFWI RWSP was developed. Limitations include the following:

- The environmental criteria used for the analyses include adopted MFLs, adopted MFL-related regulatory targets, and proposed MFLs. While these environmental criteria are considered the best available information, finalization of the proposed MFLs could result in changes to those MFLs as well as changes in their status.
- Biological and ecological evaluations associated with MFLs development and assessment are based on field observations and known or assumed hydrologic requirements. Methods used for MFLs development and assessment may vary by system type and water management district.
- The ECFTXv2.0 model was a critical part of the analyses of MFLs and MFL-related environmental criteria. Groundwater models, such as the ECFTXv2.0 model, are the best available tools used to evaluate regional effects of groundwater pumping on groundwater levels. Because groundwater withdrawals do not occur in isolation, the ability of models to simulate the influence of groundwater withdrawals alone is difficult to verify. Assumptions and limitations of the ECFTX model can be found in CFWI 2020, 2022.
- Limitations of the data used in development and calibration of the hydrologic models identified above suggest a need for continued environmental monitoring, data collection, and model improvements for future assessments of MFLs and MFL-related environmental criteria. Additional monitoring can improve accuracy related to information such as subsurface hydrogeologic conditions and the precision of model results. Evaluations of model prediction sensitivity and uncertainty can similarly improve interpretation and use of model results for MFLs development and implementation.

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Evaluation of Water Resources

PURPOSE AND PROCESS

An evaluation of water resources is an essential component of this 2025 Central Florida Water Initiative (CFWI) Regional Water Supply Plan (RWSP), and the following tasks were completed in support of this effort:

- Developed well packages for the 2016-2020 Reference Condition (RC) 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions.
- Developed associated evapotranspiration (ET), recharge, runoff, and return flow values for each Withdrawals Condition noted above.
- Conducted predictive model simulations using the updated East Central Florida Transient Groundwater Expanded model (ECFTXv2.0) to evaluate their effects on the groundwater system.
- Conducted field visits of more than 500 primarily groundwater-dominated wetlands to assess their stress status.
- Evaluated the effects of the Withdrawals Conditions on wetland systems using the model-predicted groundwater system results and a statistical approach for quantifying changes in stressed wetland acreages.
- Evaluated the effects of the Withdrawals Conditions on water bodies with established Minimum Flows and Levels (MFLs) using the model-predicted groundwater system results, established and proposed MFLs, and MFL-related environmental criteria.

MODELING TOOLS AND ANALYTICAL METHODS

Hydrologic Assessment

The principal tool developed to support this water resource evaluation is the ECFTX model. For this 2025 CFWI RWSP, the ECFTXv2.0 model was used to evaluate the effects of groundwater withdrawals on natural systems.

East Central Florida Transient Expanded Model

The ECFTX model simulates groundwater withdrawals and their associated effects on water resources and related natural systems. The ECFTX model is based on the United States

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Geological Survey (USGS) modular three-dimensional (3D), finite difference flow model (MODFLOW) (Harbaugh 2005). The model area is divided into 1,250-foot by 1,250-foot cells using a grid defined by a series of rows and columns. The model simulates transient groundwater flow in the surficial aquifer system (SAS) and the Floridan aquifer system (FAS), and hydrologic features and processes including recharge, runoff, ET, lakes, rivers, springs, wetlands, recharge wells, rapid infiltration basins (RIBs), return flow, and production wells. The ECFTX model generates two principal types of output for each model cell: computed head (groundwater levels) and water budget. The water budgets characterize the inflows and outflows (groundwater withdrawals) for each model cell. Detailed information is provided in the ECFTX model documentation (CFWI 2020a, 2022).

The ECFTX model was used to predict potential impacts on wetland water levels, lakes, spring and river flows, and groundwater levels in the SAS and FAS caused by current and projected groundwater withdrawals. The ECFTX model represents the performance of a real system through a series of mathematical equations, which describe the physical processes that occur in that system. These equations represent a simplified version of the real world that may be used to predict the behavior of the modeled system under various conditions.

Model History

The East Central Florida (ECF) steady-state model was originally developed by the St. Johns River Water Management District (SJRWMD) in 2002 (McGurk and Presley 2002). In 2006, the South Florida Water Management District (SFWMD) converted the ECF model into a transient model, which was then referred to as the East Central Florida Transient (ECFT) model. The ECFT model underwent an independent peer review in 2007 which included a thorough review of the model and suggested improvements. The USGS was contracted to implement these and other improvements as described by Sepúlveda, et al. (2012). The ECF, ECFT, and the USGS version of the ECFT (USGS-ECFT) models were initiated prior to formal initiation of the CFWI planning effort and did not include the entire CFWI Planning Area.

The USGS delivered the USGS-ECFT model in 2012, and the SJRWMD, SFWMD, and the Southwest Florida Water Management District (SWFWMD) (collectively referred to as Districts) reviewed the model construction, distribution of input parameters, and model performance and determined that several items needed to be updated for its use in the CFWI planning efforts. The following model input datasets were improved:

- The General Head Boundary water level values used for the Upper and Lower Floridan aquifers (UFA and LFA) (Model Layers 3, 5, and 7)
- Leakance (vertical hydraulic conductivity) values for Model Layer 6, which represents the Middle Semi-Confining Unit between the UFA and LFA
- Specific storage
- Spring pool elevations (a factor used to calculate spring discharge)
- Groundwater withdrawal amounts for various categories of water use
- Landscape irrigation using public supply (PS) and reclaimed water

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Upon incorporating the additional data, the performance of the model was improved and then referred to as the Hydrologic Analysis Team (HAT)-ECFT model, to ascribe its creation and use by the CFWI HAT. From a performance statistics perspective, the recalibrated HAT-ECFT model was similar to the USGS-ECFT calibration. Recalibration for the full model domain resulted in a slight improvement over the original calibration; however, depending on the model layer or the metric being evaluated, the recalibration results varied from a slight degradation to a slight improvement in the model calibration statistics. The main benefit of the recalibration effort was improvement in the transient response of many of the water levels and flows simulated by the model. A more complete description of the HAT-ECFT model is presented in Appendix C of the 2015 CFWI RWSP (CFWI 2015).

East Central Florida Transient Expanded Model Version 1.0

Improvements to the HAT-ECFT model were identified and implemented, such as model boundaries, consistency in water use, updated hydrostratigraphic framework, and simplified rainfall-runoff partitioning. The purpose of the updates to the HAT-ECFT model was to better represent current and future hydrologic conditions in the CFWI Planning Area to assist in the planning process. The updated model is referred to as the ECFTX model. **Figure D-1** shows the domains of the previous ECFT and ECFTX models.

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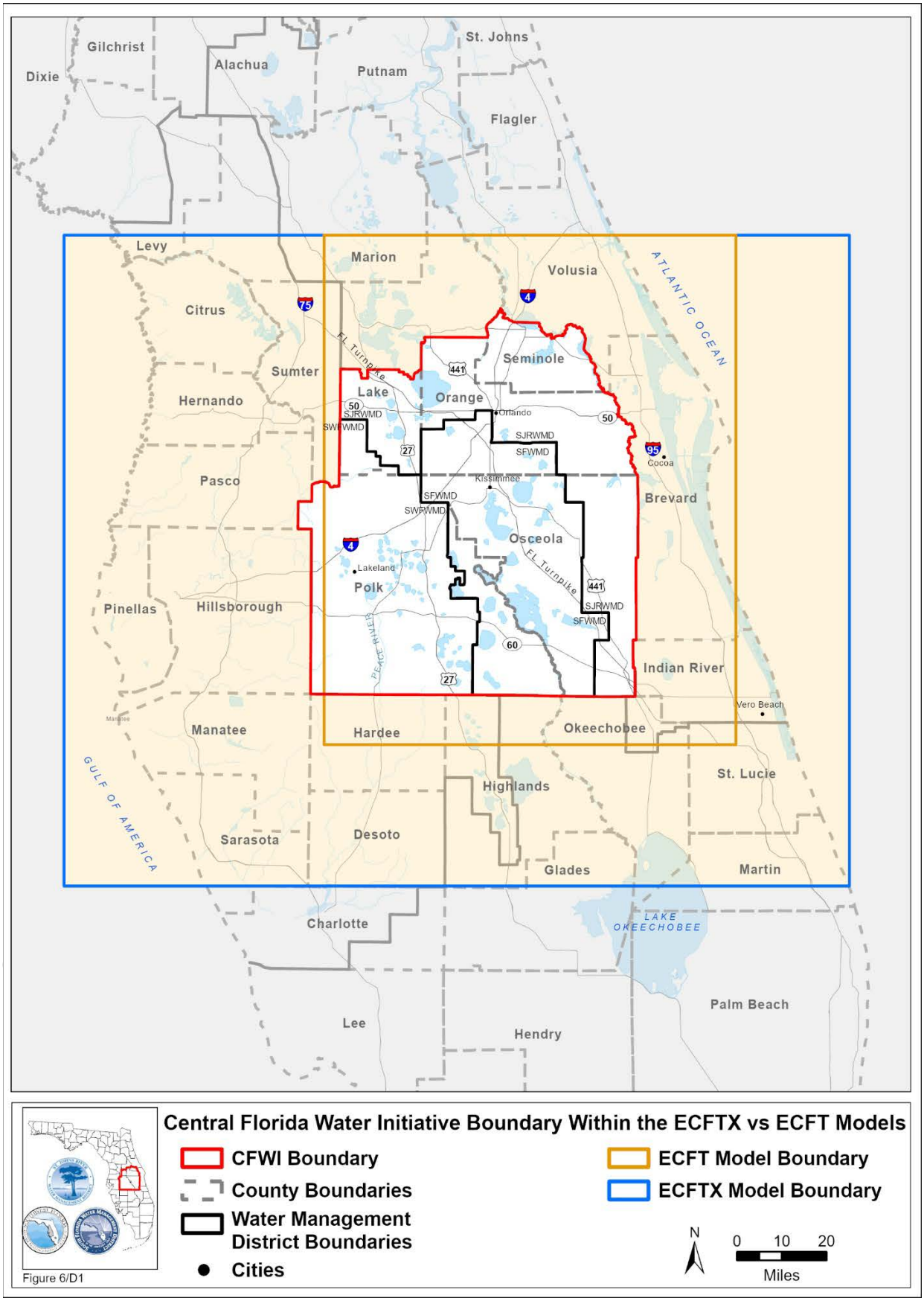


Figure D-1. Model domain boundaries for the ECFT and ECFTX models.

The HAT-ECFT model modifications that resulted in the ECFTX model are summarized below:

Model Boundaries – The western and eastern expanded boundaries coincide with hydrologic boundaries (i.e., Gulf of America and Atlantic Ocean), while the southern boundary was extended southward to the Charlotte-DeSoto County line to incorporate groundwater withdrawals in the SFWMD's Lower Kissimmee Basin that might have an effect on MFL water bodies on the Lake Wales Ridge. The northern boundary stayed the same as in the previous ECFT model.

Water Use – The best estimates of water use were developed, recognizing that each District has varying amounts of metered data above certain thresholds and use classes. In addition, work was conducted to ensure consistency between historical and simulated water use.

Hydrostratigraphic Framework – The model was updated with new well information, which resolved interpretation differences across District boundaries and incorporated additional model layering within the FAS.

Runoff-Infiltration Partitioning – The HAT-ECFT model used the Green-Ampt method (Green and Ampt 1911), which is suitable for surface water models with short (minutes/hours) time steps. In addition, the MODFLOW Unsaturated-Zone Flow (UZF) package was used to account for the time lag incurred during surface infiltration through thick unsaturated zones. This approach was found to be computationally inefficient and data intensive for a regional groundwater model with 3-day time steps and monthly stress periods. Accordingly, the empirically based National Resources Conservation Service (NRCS) curve-number method was used for the ECFTX model, which has been applied successfully in previous regional groundwater modeling efforts (Obeysekera et al. 2018).

Model Development

The ECFTX model is a fully 3D groundwater flow model and uses MODFLOW Newton-Raphson (NWT) (Niswonger et al. 2011) as the computer code. The model uses the North American Vertical Datum of 1988 (NAVD88) for all elevation data. Active and inactive areas of the model layers are delineated. In general, for those areas of the model where total dissolved solids (TDS) concentrations exceed 10,000 milligrams per liter (mg/L) from the subsurface water quality samples, the layers are populated with appropriate aquifer parameters but are inactivated and general head boundaries are set along the edge of the active areas. The Upstream Weighting (UPW) package associated with MODFLOW NWT was developed to incorporate aquifer layering and parameters. Within the ECFTX model domain, topography was used as the top of Model Layer 1 based on information compiled by each District.

Spatial Discretization

The model domain covers an area from Central Volusia County to the north to the Charlotte-Desoto county line to the south, and from the Atlantic Ocean on the east to the Gulf of America at the west (**Figure D-1**). The model grid is aligned in a north-to-south direction.

The model has 603 rows and 704 columns, with a uniform grid spacing of 1,250 feet encompassing approximately 23,800 square miles – more than twice the area of the ECFT

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model. The selection of the grid size was based on the planned use of the model, data availability, and computational considerations. The model coordinates, based on state plane coordinates of NAVD88 Florida East, located at the northeast corner of the model are: X-direction: 24352, Y-direction: 1737103.

Hydrostratigraphic Framework

The ECFTX model includes 11 hydrostratigraphic units as shown in **Figure D-2**. Each of these hydrostratigraphic units is treated as a separate layer in the model.

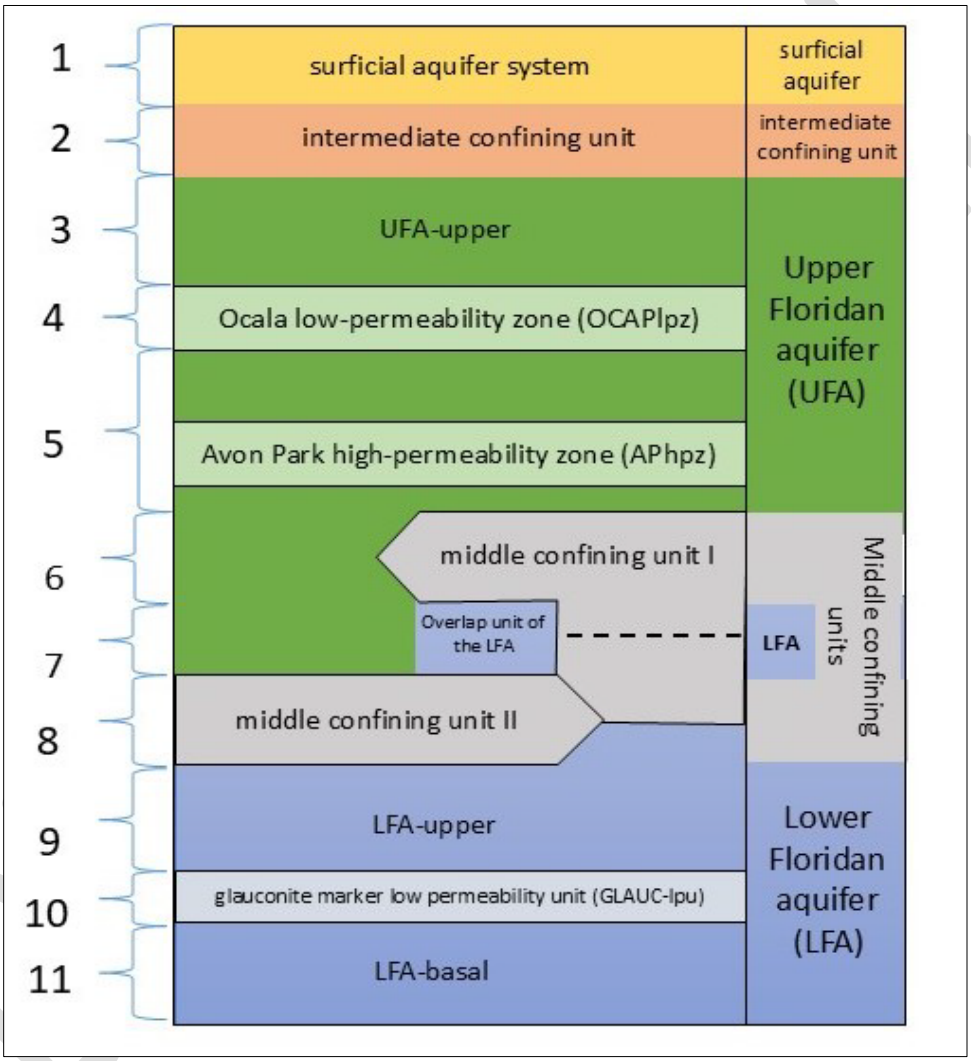


Figure D-2. Hydrostratigraphic conceptualization and associated model layers for the ECFTX model.

Model Input

Table D-1 summarizes the model input data used in the development of the ECFTX model. A more detailed description of the model input data is presented in the ECFTX model documentation (CFWI 2020a, 2022).

Table D-1. Model input and calibration criteria for the ECFTX model.

Item	Description
Computer Code	MODFLOW-NWT
Rows/Columns/Grid Spacing	603 Rows, 704 Columns, 1,250 feet grid spacing (square cells)
Layers	11: SAS through LFA
Calibration Period/Stress Periods/Verification Period	2003 (steady state, single year), 2004 to 2012 (monthly), 2013 to 2014 (monthly)
Aquifer Parameters	Compiled data into single database, kriged to obtain spatial distribution
Boundaries (Location)	West (Gulf of America), East (Atlantic Ocean), North (Central Volusia County), South (Charlotte/Desoto County Line)
Boundaries (Type)	General head boundaries with equivalent freshwater heads
Boundaries (Stages)	Monthly potentiometric surface maps, linear interpolation between layers via nested well data
Runoff-Infiltration Partitioning	NRCS curve number method
Land Use	2004, 2008/2009
Rainfall	NEXRAD and adjusted via rain gauge data
ET	USGS Florida ET database for reference ET or Agricultural Field Scale Irrigation Requirement Scenarios (AFSIRS) (Smajstrla 1990)
Wells	Simulated using WELL package
Rivers	USGS National Hydrography dataset, simulated using RIV package
Lakes	Simulated using RIV package with isolated lakes simulated using high K/high S
Drains	Simulated using DRN package
Drainage Wells	Simulated using DRT package
Springs	Spring pool elevations from field data, simulated using DRN package
Water Use	Historical data via District databases; AG: SWFWMD (metered), SJRWMD (metered/AFSIRS), and SFWMD (AFSIRS)
Return Flow (Model Layer 1)	PS (landscape), DSS (irrigation and septic tank drain fields), Reclaimed water, Rapid Infiltration Basins, AG, Landscape/Recreational/Aesthetic
Initial Conditions	2003 (Steady State)
Calibration	PEST initially, followed by manual, trial-and-error
Calibration Targets	Wells, lakes (water levels), spring flows, structure flows, baseflows (estimates), dry cell/flooded cells
Calibration Criteria	More than 50% of wells with residual < 2.5 feet in CFWI Planning Area portion of model
	More than 80% of wells with residual < 5.0 feet in CFWI Planning Area portion of model
	R-squared for water levels > 0.4 (transient response)
	Root mean square residual for all wells per aquifer < 5.0 feet
	Mean residual for all wells per aquifer < 1.0 feet
	Root mean square residual for all magnitude 1 and 2 springs < 10% of measured spring flows
	Structure flows: Nash-Sutcliffe: >0.5; R-squared >0.5, Deviation of Volume,15%

Notes for **Table D-1**.
AFSIRS==Agricultural Field Scale Irrigation Requirements Simulation; AG==agriculture; drn==drain; drt==drain return; DSS== Domestic Self Supply; NexRAD ==next-generation radar; PEST==Parameter ESTimation; PS==public supply; riv==river

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Initial Conditions

A transient groundwater flow model requires the specification of initial conditions. In the case of the ECFTX model, this means defining the head (i.e., water level) at every active cell for the beginning of the scenario, which is 2003. Establishing initial conditions for the transient model is important from the standpoint of providing reference heads (i.e., groundwater levels) from which changes in head over time will be calculated. These changes are used in the process of evaluating the reasonableness of the model calibration, and it is imperative that the initial heads are consistent with the aquifer parameters. This ensures that modeled changes in heads are in response to changes in modeled stresses and not in response to inconsistent aquifer parameters.

Calibration and Verification

Calibration represents the culmination of model parameter and input adjustments for the scenario results to match measured and calculated field conditions, such as aquifer water levels, spring flows, aquifer flows, and water budget. The calibration period is intended to represent the hydrologic conditions from 2003-2012. The calibration process is preceded by identifying calibration goals describing reasonable tolerance limits for the goodness of fit of the scenario results to the measured and calculated field conditions. In the case of a transient groundwater flow model, the comparisons are made spatially and temporally. Multiple adjustments to aquifer hydraulic property types and values and to water recharge-related and discharge-related inputs occur during calibration. These adjustments are applied in a focused, trial-and-error process until the scenario results reasonably match the calibration goals. Model verification is the process of running the calibrated model through a different set of conditions than in the calibration. In this case, 2013-2014 was the verification period. The resulting calibrated model is then used to simulate historic and future aquifer conditions within the limits of calibration and model construction.

Because MODFLOW is not a coupled surface and groundwater model, these interactions are modeled through use of iterative techniques. Surface and groundwater interaction primarily occur through ET/recharge and surface water features (lakes and canals) interaction with aquifers and the associated parameters were calibrated manually through an iterative process.

Peer Review

Given the scope of the model improvement, it was deemed appropriate to convene an independent, scientific peer review of the updated ECFTX model. Three independent groundwater modeling experts were assembled to conduct this review. Major topics discussed included resolving dry cells, baseflow estimation, boundary condition selection, rainfall adjusted Next-Generation Radar (NEXRAD) estimation, calibration approaches (e.g., automated versus manual), calibration targets and statistical measures of calibration success, and modification of general head boundary fluxes. The ECFTX model incorporated the comments of the peer review panel.

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To increase the stability of the model for regulatory decisions and improve model performance in areas with critical MFL water bodies, a groundwater modeling group from the Districts reviewed the model and identified an area within the CFWI Planning Area of the model domain where the original calibration could be improved (CFWI 2022). This area primarily included the Wekiva River springs groundwater contributing basin and Seminole County. As a result of a more thorough review of local-scale data in these areas, the Districts also identified opportunities for refinements to the following:

- Spring pool elevations
- Wekiva River stages
- Groundwater level targets near Wekiwa Springs
- Confirming the correct model layer designation of pumping wells

This recalibration effort, which was conducted only in this focus area, was delineated using the Wekiva River groundwater contributing basin and the USGS May/July 2010 UFA potentiometric surface. The goal was to improve the model's ability to better match observed water levels and spring flows. In addition, the horizontal hydraulic conductivity (Kh) for the intermediate aquifer system (IAS)/intermediate confining unit (ICU) (Model Layer 2) in the Southern Water Use Caution Area (SWUCA) of the SWFWMD outside the focus area was modified to improve accuracy of the model conceptualization, model convergence, and run time. The ECFTXv2.0 report includes the model updates, recalibration approach and results, and a sensitivity analysis to better understand the influence of recharge on model calibration. No other structural changes to the model (e.g., model domain, grid cell size) were conducted. The original and recalibrated models are referred to as ECFTXv1.0 and ECFTXv2.0, respectively. The ECFTXv2.0 model is the version of the model used to support the 2025 CFWI RWSP.

ENVIRONMENTAL CRITERIA USED TO EVALUATE POTENTIAL IMPACTS

Minimum Flows and Minimum Water Levels and Related Criteria

MFLs and MFL-related environmental criteria were used to support water supply planning decisions for the 2025 CFWI RWSP. Based on ECFTXv2.0 model-predicted changes in groundwater levels and surface water flows, a variety of methods were used to determine the change in the UFA water level or flow that would be associated with a change in status for the MFLs and MFL-related environmental criteria. The methods used to determine these water level and flow changes were based on differences in water body types (e.g., lakes versus flowing water bodies) and other evaluation requirements associated with MFLs established or proposed independently by the SJRWMD and the SWFWMD.

Of the 47 assessed MFLs and MFL-related environmental criteria, 38 were considered most appropriate for aggregation and summarization of potential impacts associated with groundwater withdrawals (**Appendix C, Table C-5**, **Figure C-6**) these included:

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- Adopted MFLs for 26 lakes/wetlands
- An established target regulatory water level based on five UFA wells (Ridge Lakes Target Wells) was used to characterize groundwater levels below Lake Wales Ridge Lakes where MFLs were established and are being recovered
- An established target regulatory water level based on five UFA wells (Upper Peace Target Wells) was used to characterize groundwater levels south of the Upper Peace River where MFLs have been established and are being recovered
- MFLs that are proposed but not yet adopted for 10 water bodies. These included re-evaluated MFLs for 2 lakes, 1 river segment, and 6 springs, as well as a new MFL for 1 river segment.

As discussed in **Appendix C**, the proposed MFLs were used for 10 water bodies because they represent the best available information for these systems. **Appendix C** also provides information on the recent status of all established MFLs and water reservations within or extending into the CFWI Planning Area, and the recovery strategy adopted for the SWUCA.

Environmental Measures

Methods and tools were developed to evaluate groundwater-dominated wetlands, typically without MFLs. The Environmental Measures Technical Report (CFWI 2025) summarizes the methods, tools, and evaluations, including:

- Evaluation of the current stress status and providing descriptions of approximately 500 wetlands
- Geographic information system (GIS)-aided review of an expanded wetlands dataset
- Development of a statistical relationship between observed hydrologic stress and observed water level variations
- Use of statistical analyses and geospatial distribution of wetlands to estimate the probability of future changes in wetland stress based on modeled water level changes using the ECFTXv2.0 model
- Presentation of the modeled environmental criteria assessments results

Criteria for Groundwater-Dominated Wetlands, Typically Without Minimum Flows and Minimum Water Levels

There are more than one million acres of wetlands within the CFWI Planning Area. The wetland risk assessment focused on those that are primarily groundwater-dominated systems (approximately 30 percent of the total wetland acreage). These types of wetlands are generally considered more sensitive to changes in groundwater levels as compared to systems that are substantially influenced by surface water levels (e.g., riverine systems) (**Figure D-3**). Groundwater-dominated wetlands have water budgets largely driven by the exchange (both inflow and outflow) of groundwater due to their connectivity to an aquifer. Groundwater-dominated wetlands are mostly isolated but also include headwater wetlands and seasonally inundated wetland strands. It is assumed that if these groundwater sensitive systems are protected, less vulnerable systems will also be protected.

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The methodology used in support of the 2015 and 2020 CFWI RWSPs was used to predict likely effects of current and future groundwater withdrawals for the 2025 CFWI RWSP. The environmental criteria used for the risk assessment included probable net increases in stressed wetlands acres in Plains and Ridge settings resulting from future changes in groundwater withdrawals.

As noted above, approximately 500 primarily groundwater-dominated wetlands within and near the CFWI Planning Area were visited and assessed. The wetlands were segregated into three classes based on the amount of available information for each wetland (**Table D-2**). Similar to past assessments, wetlands that were considered significantly hydrologically altered were excluded from further analysis because these systems were likely stressed by factors other than groundwater withdrawals.

Table D-2. Summary of wetland data classes in the CFWI Planning Area**.**

Wetland Data Class	Data Class Characteristics		
	Wetland Type (Ridge or Plains)	Current Stress Condition	Water Level Hydrograph
Class 1	Known	Known	Known
Class 2	Known	Known	Unknown
Class 3	Known	Unknown	Unknown

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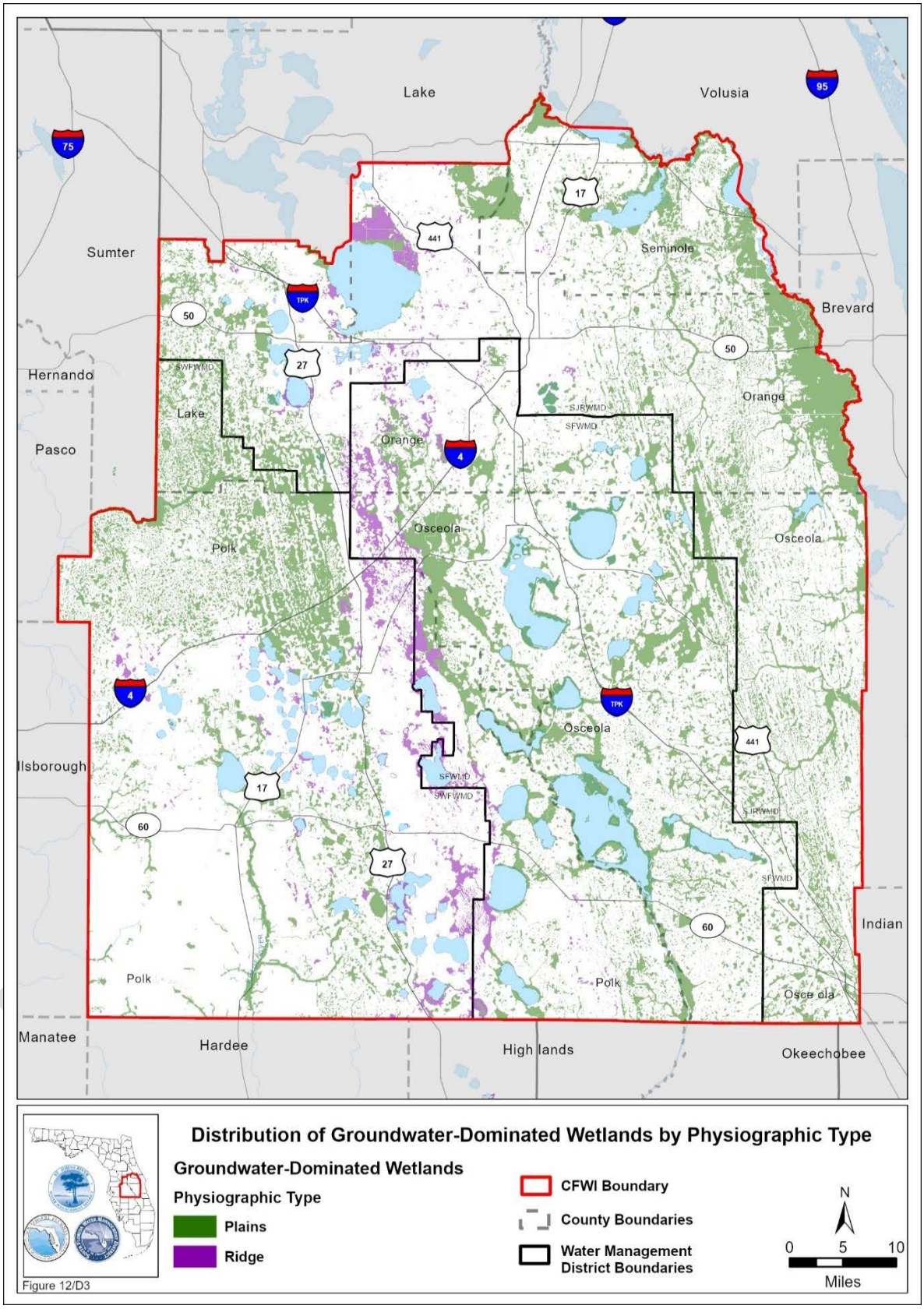


Figure D-3. Distribution of groundwater-dominated Plains and Ridge wetlands within the Central Florida Water Initiative Planning Area included in the wetlands analysis.

Class 1 wetlands included in the 2015 and 2020 CFWI RWSPs were revisited. Additional Class 1 wetlands were evaluated for potential inclusion in the monitoring dataset for this 2025 CFWI RWSP. A thorough review and statistical analysis (described below) resulted in a final Class 1 wetlands dataset of 51 sites that was used for the wetlands risk assessment (**Figure D-4**). The hydrologic stress condition of the Class 1 wetlands and the selected period-of-record water level data for these sites (2015-2022) was used to develop a statistical relationship between observed stress and observed water levels.

A total of 342 Class 2 wetlands were used in the wetlands risk assessment (**Figure D-5**). These wetlands included sites assessed for the 2015 CFWI RSWP, sites included in the Data, Monitoring, and Investigations Team (DMIT) long-term wetlands monitoring program, and a number of new sites visited for this 2025 CFWI RWSP.

The results of the wetland statistical analysis were then used to predict the likely effects of groundwater withdrawals on wetland resources as predicted by the ECFTXv2.0 model for future Withdrawals Conditions. Wetlands in Plains and Ridge physiographic provinces were evaluated separately because wetland hydrologic conditions in these systems differ because of underlying soils, geology, physiography, typical depths, and other factors.

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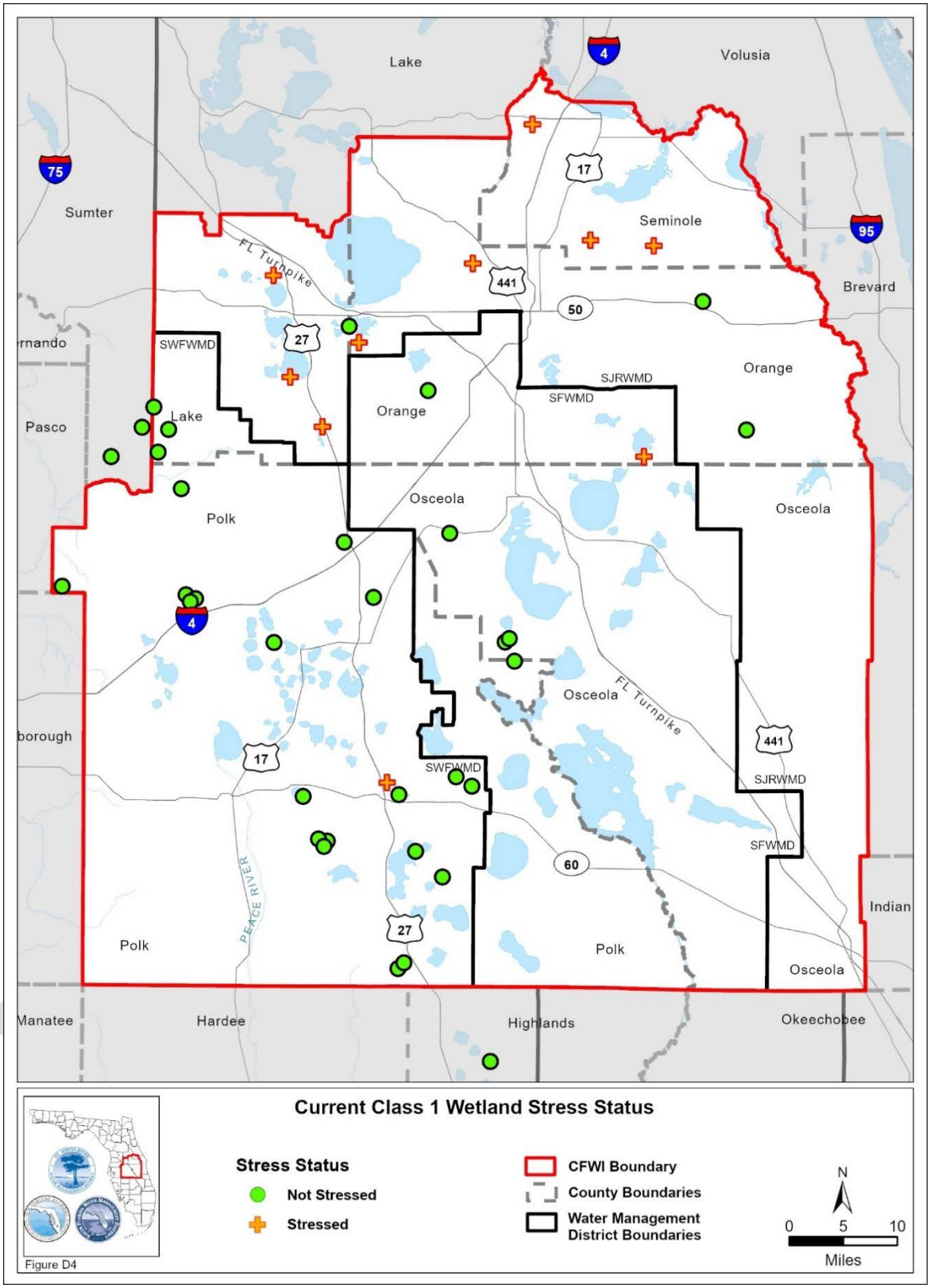


Figure D-4. Location and current stress status of the Class 1 wetlands in and near the Central Florida Water Initiative Planning Area included in the analysis for the 2025 Central Florida Water Initiative Regional Water Supply Plan.

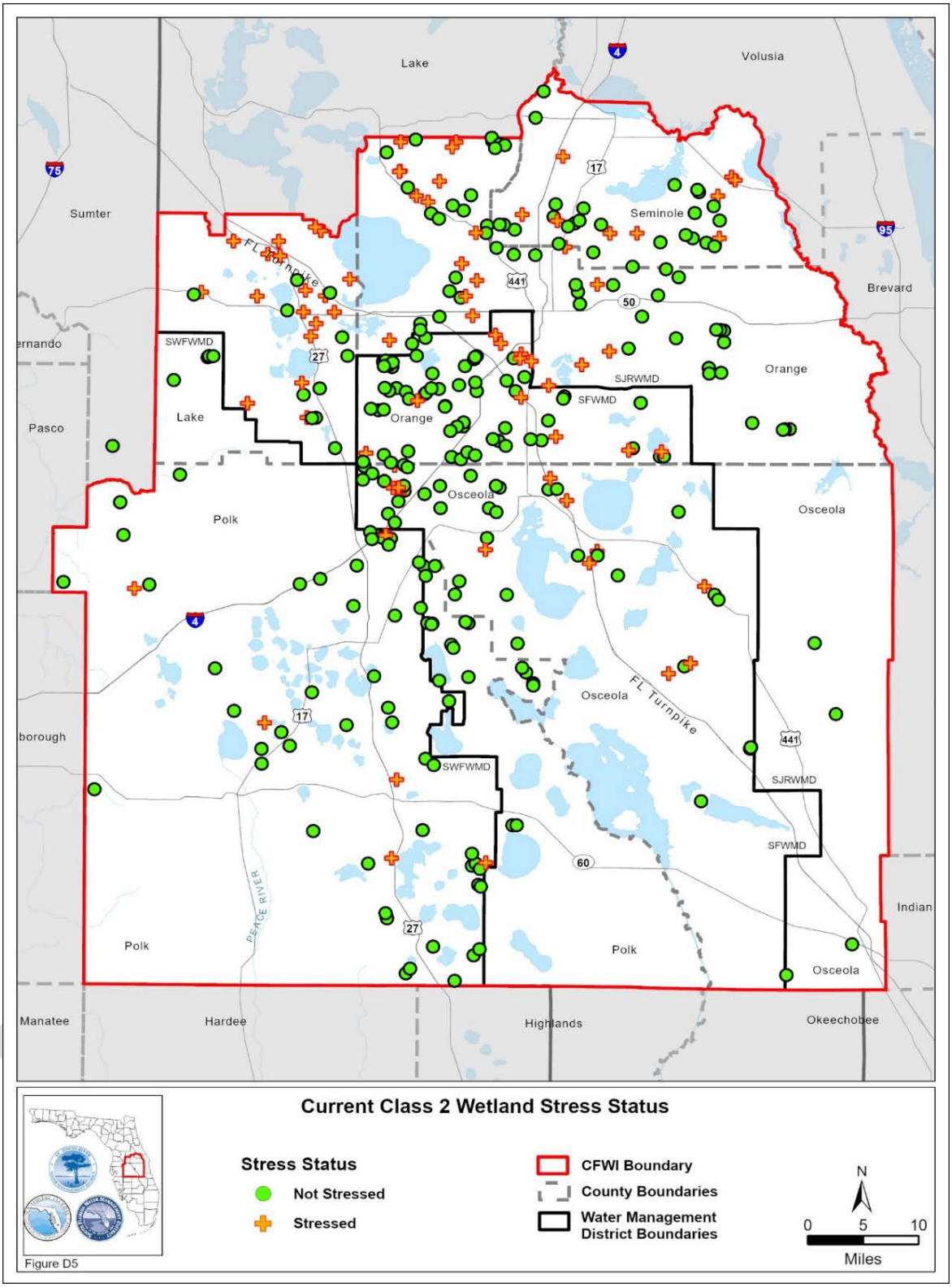


Figure D-5. Location and current stress status of the Class 2 wetlands in the Central Florida Water Initiative Planning Area included in the analysis for the 2025 Central Florida Water Initiative Regional Water Supply Plan.

Geographic Information System Analysis

Using GIS and the stress-risk algorithm, the acreages of Stressed and Not Stressed Class 1, Class 2, and Class 3 wetlands for each ECFTXv2.0 model cell were calculated for the 2016-2020 RC. For Class 1 and Class 2 wetlands, which often consist of polygons of different wetland types, GIS processing was conducted to create a single polygon for each site by merging the different wetland polygons. For Class 3 wetlands, thorough GIS analysis and processing was conducted to ensure that all Class 3 Plains and Ridge wetlands in the CFWI Planning Area were accurately represented (**Figure D-6**). In addition, the open water acres of Class 1, Class 2, and Class 3 wetlands were removed so that the acres of Stressed and Not Stressed wetlands for the 2016-2020 RC were not overestimated. For further details regarding the risk assessment methodology refer to CFWI 2025.

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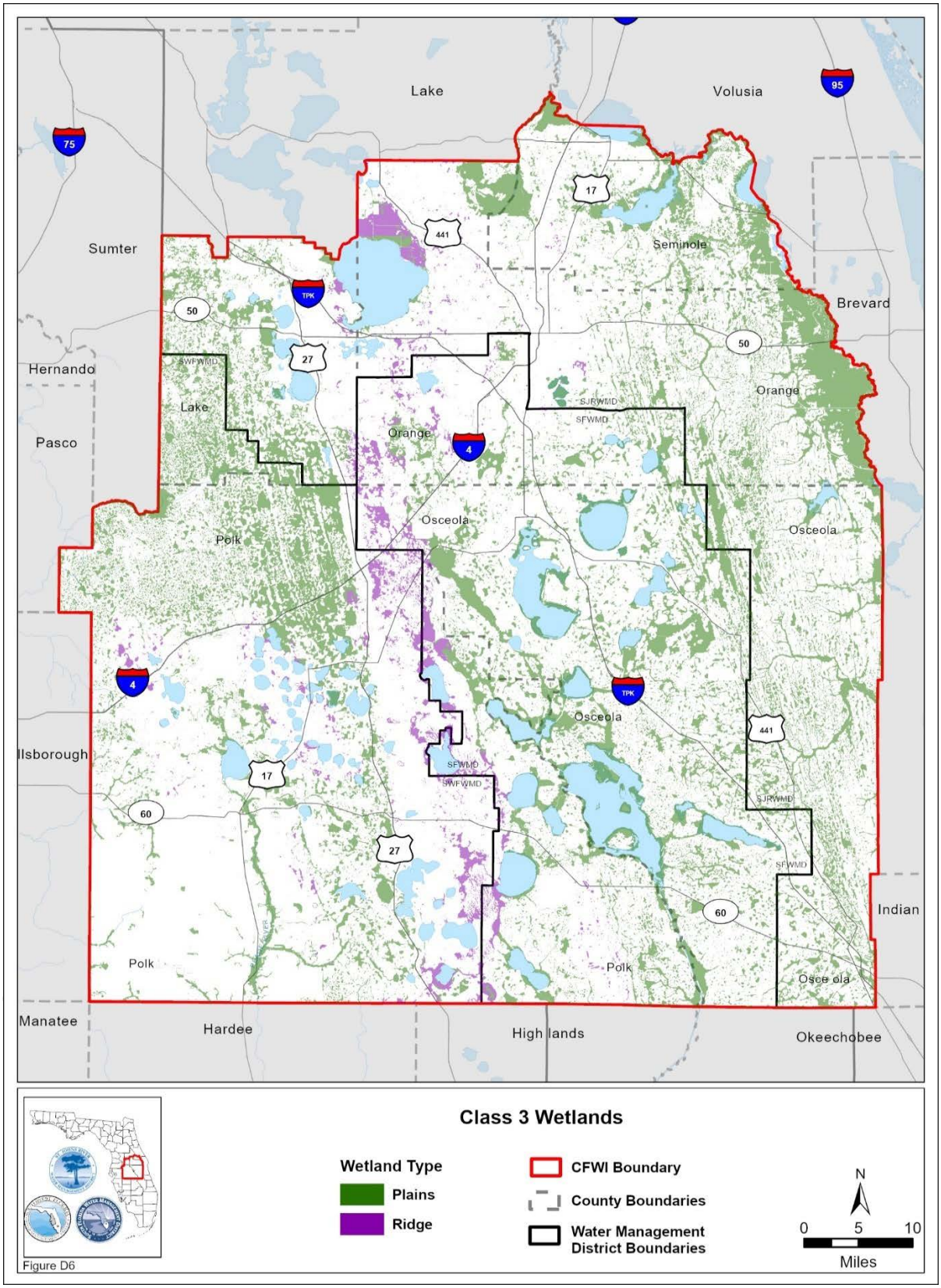


Figure D-6. Location of Class 3 wetlands in the Central Florida Water Initiative Planning Area.

Statistical Analysis

A 6-year period of record (2006–2011) and a 9-year period of record (2009–2017) of Class 1 wetland water level data were used, respectively, for the 2015 and 2020 CFWI RWSPs to compute a statistical relationship between observed stress and water level variation. For this 2025 CFWI RWSP, an 8-year period of record (2015–2022) was used.

Historic water levels for each Class 1 wetland from 2006 (if available) through 2022 were summarized. The water level equaled or exceeded 80 percent of the time, (i.e., the P80 water level), was calculated for several date ranges for each Class 1 wetland. To identify the optimal period of record, a new R script was developed which references the number of years, number of observations, Shapiro-Wilk Normality Test results, and the standard deviation calculated from the water level observations in each permutation and for each wetland. Permutations were defined as ranges of consecutive years between 2015 and 2022, with a minimum of 5 years included. There were 78 date ranges for each wetland. Consequently, the values were referenced to rank each year-range permutation for each wetland as follows: primarily, by ascending standard deviation; secondarily, descending total number of years; tertiary, descending number of observations; and quaternary, descending Shapiro-Wilk Normality Test results, such that the optimal year-ranges for each wetland were closer to the first position. The sum of rankings for each year-range permutation, across all wetlands, was then used to evaluate the optimal year-range, with the smallest sum representing the ideal target. Line charts were developed for each of the 78 permutations and for each wetland, and the top date-range targets were reviewed. These charts helped determine that the most current data captured both wet and dry years and were representative of expected hydrologic conditions.

For each of the Class 1 wetlands, a hydrologic index (θ) was calculated by subtracting the P80 value from the wetland edge elevation. Previous work demonstrated that the probability of hydrologic stress occurring in wetlands could be related to the hydrologic index or θ (CFWI 2013). The θ value distributions were approximated by the normal distribution using the Shapiro-Wilk Normality Test, as well as presented as charts to help identify outliers. The Class 1 wetland θ value distributions moments (mean, standard deviation, kurtosis, skew) for each wetland group (Stressed and Not Stressed) and each physiographic province (Plains and Ridge) were evaluated for fit to the normal distributions.

The P80 rank results for date ranges 2015-2021 and 2015-2022 were very similar; an 8-year period of record, 2015-2022, was selected since it met the test for normality and had the longer period of record. In addition, this 8-year period was chosen as the best compromise between longer periods of record for fewer sites versus shorter periods of record for more numerous sites, while still yielding sets of hydrologic indices (θ) which approximated normal distributions.

Using the statistical relationship between observed stress and observed P80 water level and hydrologic index (θ) variations for the Class 1 wetlands water level data, the probability (or risk) of future changes in probable wetland stress occurring, based on modeled water level changes between the 2016-2020 RC and future groundwater Withdrawals Conditions, was estimated for wetlands in Plains and Ridges physiographic provinces.

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Most of the Plains physiographic provinces are characterized by typically confining, regionally consistent conditions where there is reduced exchange of water between the SAS and the underlying FAS. The best predictor for probable change in the long-term water level regime of Plains wetlands due to groundwater withdrawals is the simulated change in the SAS water table at the wetland locations (CFWI 2013). Therefore, ECFTXv2.0 model results for Model Layer 1 (SAS) were used for the Plains wetlands risk assessment.

Most of the Ridge physiographic provinces are characterized by less confining conditions that vary considerably at the local scale. Because the variability occurs at a finer scale than the model grid cells and there is insufficient data available to provide calibration information on all the local variations in confinement and resulting water table elevation differences, the ECFTXv2.0 model was not able to reproduce the variability in the hydrogeology of the Ridge physiographic provinces. Because of this variability, and the associated lack of data, a range of values was developed for the Ridge wetlands risk assessment. The low part of the range was based on the projected change in SAS water levels (Model Layer 1) from the ECFTXv2.0 model, which may underestimate wetland water level responses to groundwater drawdown in the leakiest locations for the future groundwater Withdrawals Conditions. The high part of the range was based on the projected change in UFA water levels (Model Layer 3) from the model, which may overestimate wetland water level responses to groundwater drawdown in the UFA. For Ridge wetlands, this range provides an estimate of low and high amount of probable future changes in Ridge wetlands water levels from which to estimate corresponding probabilities of changes in wetland stress conditions.

The existing stress-risk algorithms were revised to incorporate the updated statistical risk equations and for compatibility with the ECFTXv2.0 model output files. Post-processing of the ECFTXv2.0 model runs included:

- Calculating probable Stressed and Not Stressed wetland acreage for each ECFTXv2.0 model cell under current conditions (i.e., 2016-2020 RC)
- Calculating the probable change in Stressed and Not Stressed wetland acreage for each ECFTXv2.0 model cell under the simulated future Withdrawals Conditions
- Calculating the probable change in total Stressed wetland acreage for each future Withdrawals Condition
- Preparing tables, graphs, and maps showing the geographic distribution of projected Stressed wetland acreage (discussed later in this Appendix)

Upward Migration (Upconing) of Brackish Groundwater Criteria

Two generalized maps of TDS of the upper portions of the UFA (Model Layer 3) and the LFA (Model Layer 9) were developed (**Figures D-7** and **D-8**). For all available monitoring and consumptive/water use permit (CUP/WUP) wells with water quality data, the most recent TDS values were used to develop contours (www.cfwiwater.com for water quality data used). These TDS contour maps, which included an approximate 10-mile buffer outside of the CFWI Planning Area, were developed using the GIS-based Spline interpolation method.

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Figures D-7 and **D-8** were used to evaluate the potential for upward migration or upconing of underlying brackish groundwater at selected wellfields in the eastern portion of the CFWI Planning Area. In particular, the potential for upward movement of water from the lower LFA (Model Layer 9) to the UFA (Model Layers 3 and 5) under future Withdrawals Conditions was evaluated.

Note that due to the limited amount of data within the LFA, the contours may not be representative in areas of actual data points that were not available at the time the figure was generated.

The eastern portions of the UFA within the CFWI Planning Area are known to have brackish groundwater that has not been flushed from the aquifer by freshwater recharge. Wells and wellfields operating near these regions are subject to the possible migration of this residual brackish water as a result of withdrawals. This potential movement is considered local in nature. As such, the modeled changes in aquifer drawdowns within the ECFTXv2.0 model were evaluated for selected UFA wellfield production zones, including facilities operated by the City of Winter Springs, Seminole County, City of Oviedo, Florida Governmental Utility Authority (Town of Chuluota), and the City of Sanford. These sites were identified based upon their history of water quality in production and monitoring wells and existing requirements for wellfield management plans within the utilities' CUPs. Increased pumping from an UFA may result in increased flow from the aquifers below and has the potential to increase the local risk of maintaining potable water quality.

The ECFTXv2.0 model simulates groundwater flow only (i.e., it does not consider density-dependent flow or fracture flow) and vertical conduits that can lead to potential upward movement of poor-quality water cannot be explicitly simulated. However, the results of the ECFTXv2.0 modeling can provide insight on the potential of water level differences that would drive additional vertical groundwater movement. To evaluate this possibility, cell-by-cell water flows for areas surrounding each wellfield were derived from ECFTXv2.0 model output. These were examined to determine if the projected withdrawals would suggest possible increases in risks of upward water movement from lower, more saline aquifers into these wellfields. The difference in vertical flows between the production horizon and the model layer below each wellfield was evaluated against the increased withdrawals between the 2016-2020 RC and future 2045 Withdrawals Condition.

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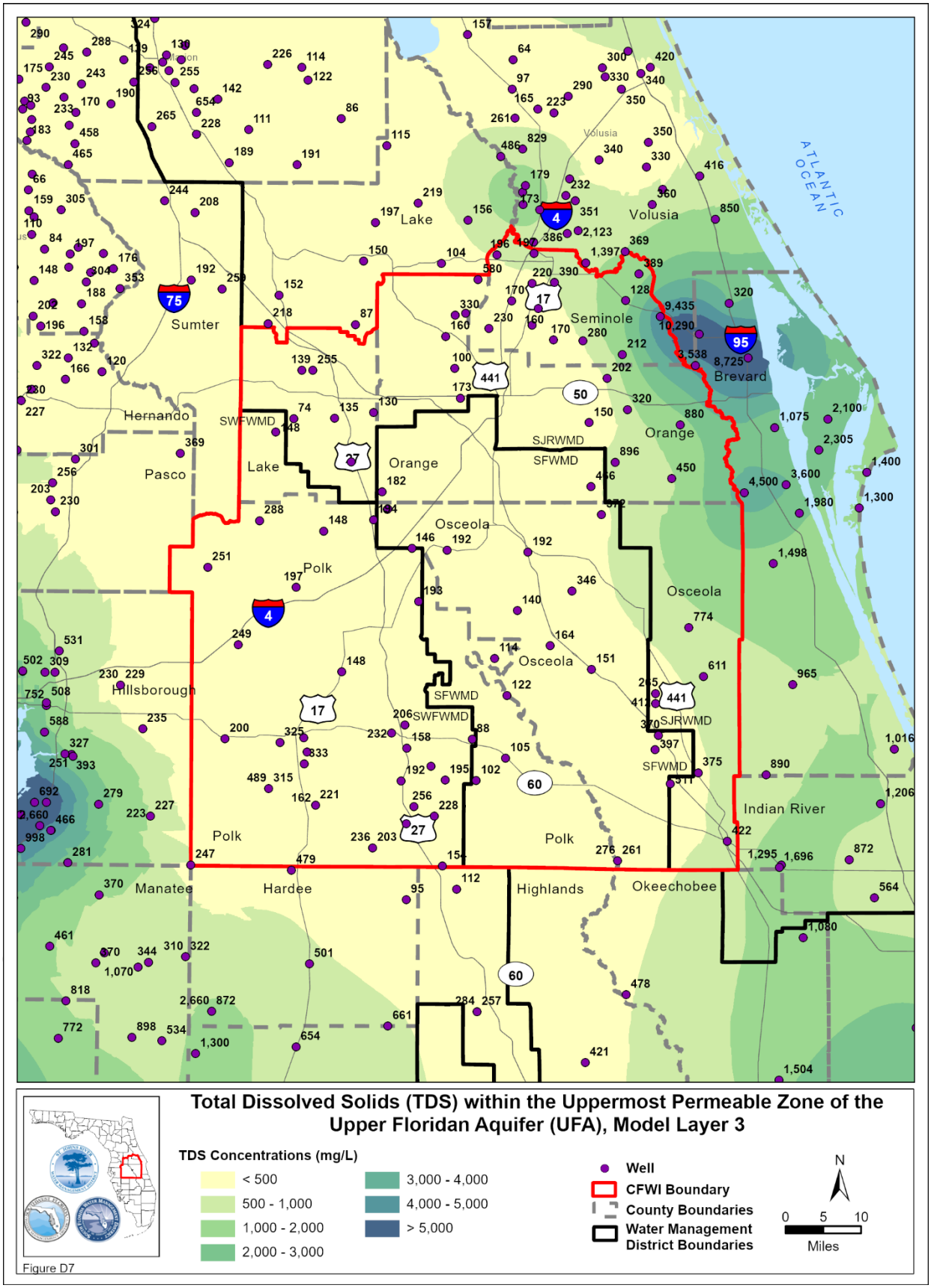


Figure D-7. Total dissolved solids concentrations within the Upper Floridan aquifer (Model Layer 3).

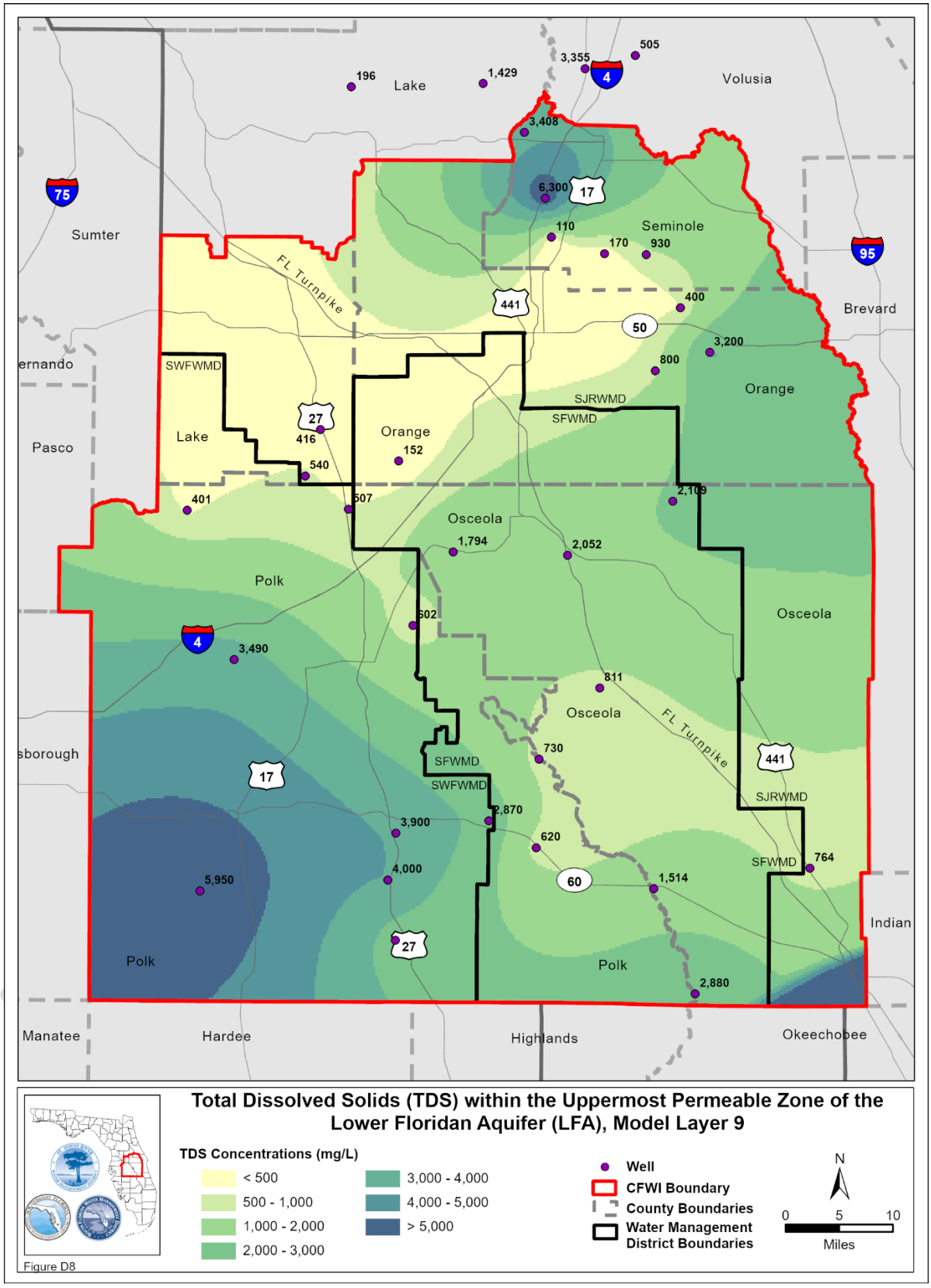


Figure D-8. **Total dissolved solids concentrations within the Lower Floridan aquifer (Model Layer 9).**

ANALYSIS AND RESULTS

East Central Florida Transient Groundwater Expanded Model Version 2.0 Scenarios Analysis and Results

The ECFTXv2.0 model was used to calculate changes in water levels and spring flows by comparing the results of the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions to the 2016-2020 RC.

Water Demand Projections

Detailed methodologies regarding the development of the water demand projections and spatial distribution of the water demands can be found in **Appendix A**.

Model Scenarios

Each Withdrawals Condition was developed to simulate water levels resulting from groundwater withdrawals needed to meet the water demands that either existed or were projected to occur in the year identified for that Withdrawals Condition. Groundwater withdrawals were varied from month to month for each Withdrawals Condition based on seasonality factors.

The scenarios were developed by applying a set of monthly seasonality factors to the average pumping for each respective Withdrawals Condition. The seasonality factors were used to incorporate seasonal variation in pumping while preserving the average pumping in the respective year of the simulation period from 2003 through 2014.

The scenarios were run for 12 years using monthly stress periods, land use information representing 2004/2005 and 2008/2009 conditions, and monthly rainfall amounts that occurred between 2003 and 2014. Based on this approach, the principal differences between scenarios were changes in withdrawal volumes and corresponding return flows associated with irrigation quantities. The differences in model input for the 2016-2020 RC and the Withdrawals Condition are summarized in **Table D-3**.

There are slight differences in **Table D-3** between simulated Withdrawals Condition and projected water demands (**Appendix A**) for each scenario. The differences are related to the model incorporating seasonality factors, additional CUP/WUP categories (e.g., other environmental, fire flow) that are not captured in the projected water demands, and historical groundwater withdrawals in the averaged 2016-2020 RC. The results of the modeling efforts were used to assess the potential effects on MFLs and MFL-related environmental criteria, lakes, and wetlands without MFLs, and water quality conditions associated with potential upconing of brackish groundwater at selected sites.

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Table D-3. ECFTXv2.0 Modeled Groundwater Withdrawals versus the 2025 Central Florida Water Initiative Regional Water Supply Plan Groundwater Demand Projections (mgd) in the Central Florida Water Initiative Planning Area

Source	2016-2020	2025	2030	2035	2040	2045
ECFTX Modeled	614.19	721.60	778.20	812.37	845.65	867.55
CFWI RWSP Demand Projections	625.01	714.45	770.34	803.86	834.67	856.17

Notes for **Table D-3**.
mgd = million gallons per day

Calculation of Seasonality Factors

Seasonality factors for all water use categories were set to each station's monthly time step's proportion of water use compared to the overall water use for that respective year for each year in the calibration data set from 2003–2014. These proportions (i.e., seasonality factors) were calculated by dividing each month by the 12-month average, as follows:

$$Seasonality\ Factor\ in\ Month\ i\ of\ Year\ j = \frac{Pumping\ in\ Month\ i\ of\ Year\ j}{Average\ pumping\ in\ Year\ j}$$

Where,

i: months from January through December; and

j: years from 2003 through 2014.

2016-2020 Reference Condition

The 2016-2020 RC was developed as the basis to consistently compare the results of other Withdrawals Conditions to one another. The 2016-2020 RC represents aquifer conditions that would be expected if the average 2016-2020 water demands were repeatedly realized over the 12-year simulation period. Modeled groundwater withdrawals for the 2016-2020 RC represent the pumping required to meet the demands for water as they occurred in 2016-2020 given the rainfall that occurred over the period from 2003 to 2014. The use of 2016-2020 as the RC does not imply that 2016-2020 are considered base years for acceptable environmental conditions. Rather, it is simply a period for which modeled environmental conditions were characterized for a common period with relatively well-known hydrologic conditions.

2045 Withdrawals Condition

The 2045 Withdrawals Condition was developed to assess modeled hydrologic conditions at the end of the 20-year planning period required for this 2025 CFWI RWSP. The scenario was constructed in a manner parallel to that of the 2016-2020 RC using the projected withdrawals for 2045 instead of average withdrawal conditions for 2016-2020. The results of the 2045 Withdrawals Condition represent the modeled hydrologic system for the projected water demands of 2045 subjected to the rainfall conditions of 2003 through 2014. Although not

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required for RWSP purposes, 2025, 2030, 2035, and 2040 Withdrawals Conditions were also simulated as discussed in **Chapter 4**.

2045 Assessment Results

The patterns of change between the 2016-2020 RC and the 2045 Withdrawals Condition in the SAS, UFA, and LFA water levels are shown in **Figures D-9, D-10,** and **D-11,** respectively. In these figures, the cooler (blue) colors represent increases in groundwater levels, and warmer (orange/red) colors indicate decreases in groundwater levels. Although the water level changes are mostly related to differences in withdrawal quantities, some changes are due to differences in the locations of withdrawal points between the 2016-2020 RC and the 2045 Withdrawals Condition.

- Surficial Aquifer System (Model Layer 1): The vast majority of the CFWI Planning Area indicates water level differences of +/- 1 foot. Differences in SAS water levels for the two scenarios were most pronounced in the Ridge areas north and south of Lake Apopka, in the vicinity of Lakeland, and east of United States (US) Highway 27. The increases in SAS levels are due to the effects of return flow to the SAS from the UFA, LFA, and, to a lesser extent, surface water withdrawals.
- Upper Floridan Aquifer (Model Layer 3): Differences in the UFA water levels for the two scenarios are most pronounced (-3 to -5 feet) over large areas in north-central Osceola County, south Orange County, and southwest Polk County.
- Lower Floridan Aquifer (Model Layer 9): Differences in LFA water levels of 1 to 3 feet are widely dispersed over a large area of CFWI. South-central Orange and north-central Osceola counties have water level differences of 3 to 5 feet. The largest differences are in southeast Lake County and in west central Osceola County.

When comparing the results of this modeling effort (using ECFTXv2.0 and simulating 2045 demands) to the previous 2020 CFWI RWSP modeling effort (using ECFTXv1.0 and simulating 2040 demands), the water level differences for each of the primary aquifers are very consistent in terms of magnitude and location.

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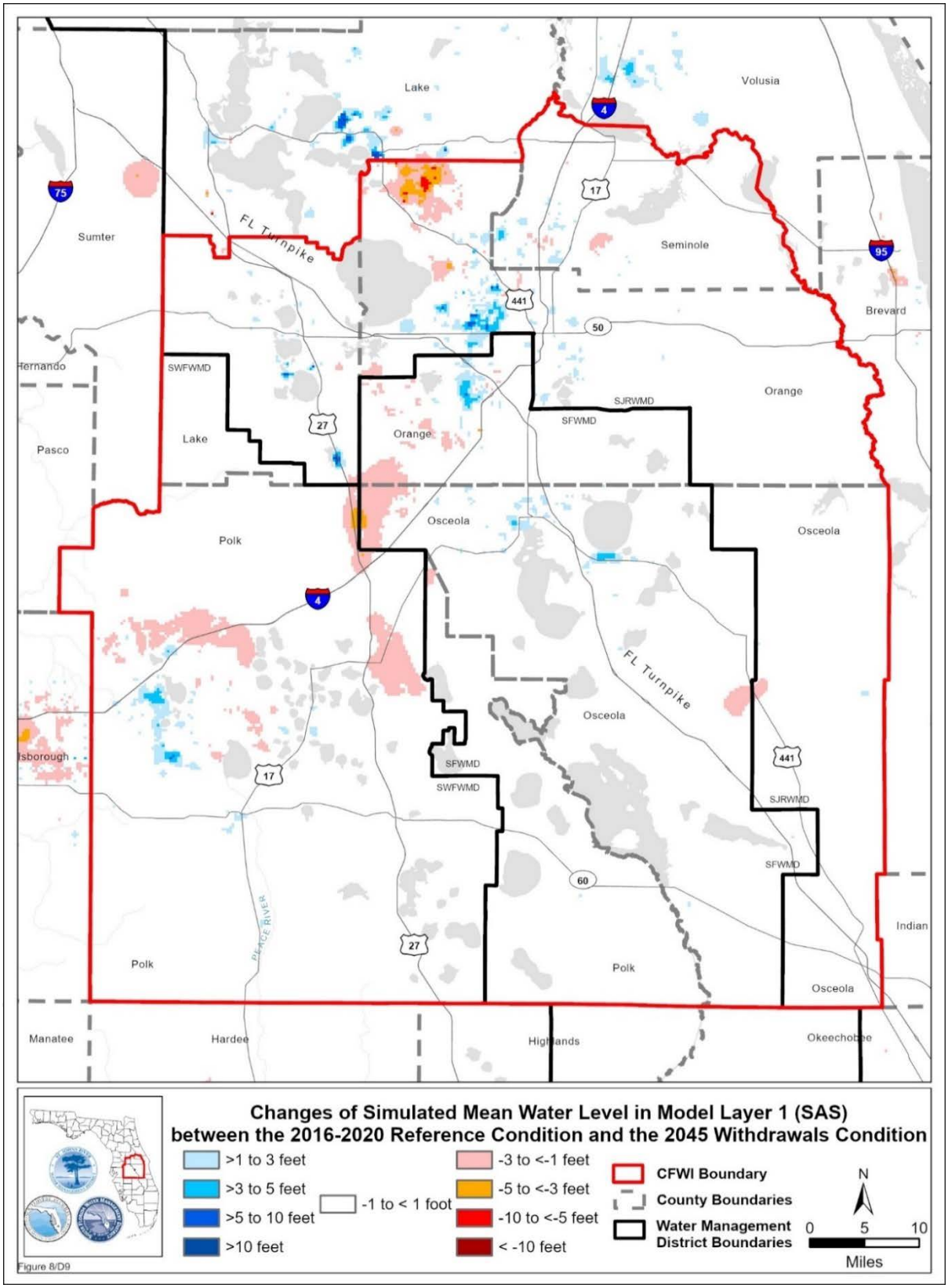


Figure D-9. The changes of simulated mean water levels in Model Layer 1 (surficial aquifer system) between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition within the Central Florida Water Initiative Planning Area.

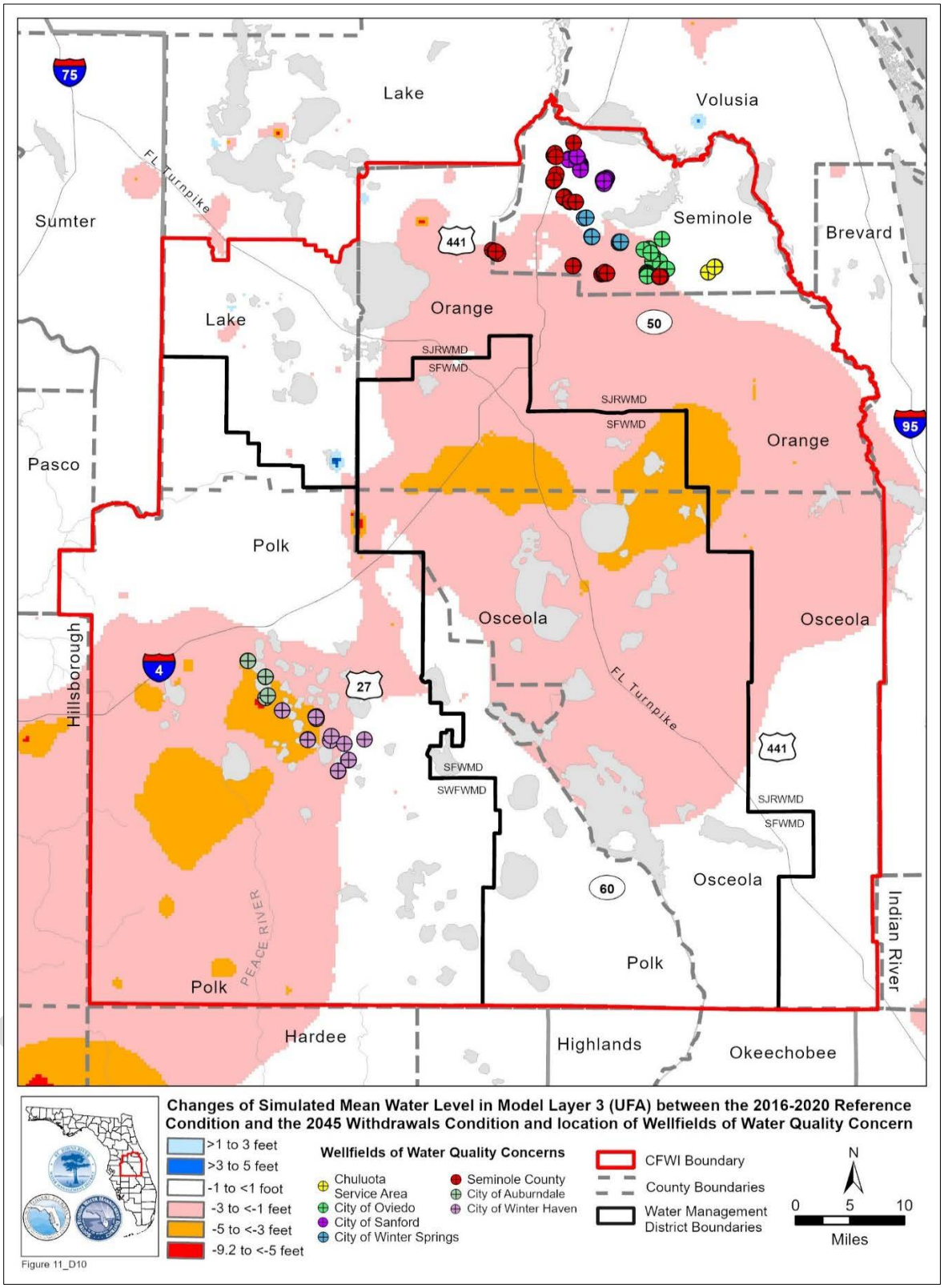


Figure D-10. The changes of simulated mean water levels in Model Layer 3 (Upper Floridan aquifer) between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition within the Central Florida Water Initiative Planning Area and location of Wellfields of Water Quality Concern.

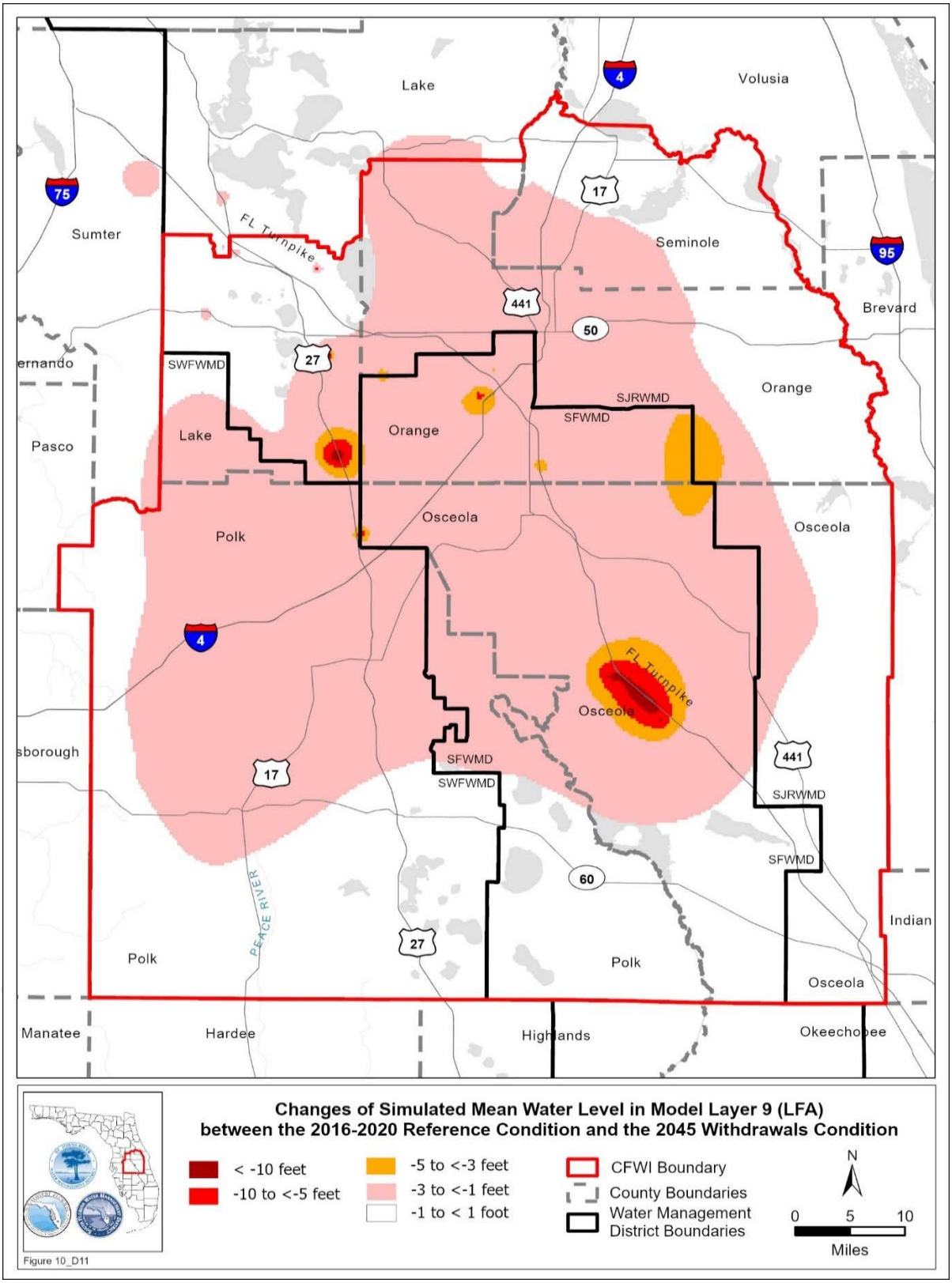


Figure D-11. The changes of simulated mean water levels in Model Layer 9 (Lower Floridan aquifer) between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition within the Central Florida Water Initiative Planning Area.

Minimum Flows and Minimum Water Levels and Related Criteria Analysis and Results

Based on ECFTXv2.0 model-predicted changes in UFA water levels and spring flows, various methods were used to determine the change in the UFA water level or flow that would be associated with a change in status for 47 established or proposed MFLs and established MFL-related environmental criteria. Of the 47 assessed MFLs and MFL-related environmental criteria, 38 were considered most appropriate for assessing potential impacts associated with groundwater withdrawals. Various methods described in **Appendix C** were then used, along with the calculated water level differences and results, to identify predicted changes in the UFA water levels or flows associated with a predicted change in status (met/achieved or not met/not achieved) for each environmental criterion.

Criteria Analysis and Results for Groundwater-Dominated Wetlands, Typically Without Minimum Flows and Minimum Water Levels

As noted previously in this appendix, primarily groundwater-dominated wetlands, which are potentially more likely to be affected by groundwater withdrawals, were the focus of the wetlands risk assessment (**Figure D-3**). After excluding wetlands that were hydrologically altered, approximately 442,290 acres of primarily groundwater-dominated wetlands within the CFWI Planning Area were included in the analysis. This acreage included about 382,850 acres of Plains wetlands and approximately 59,440 acres of Ridge wetlands as shown in **Tables D-4** and **D-5** separated by wetland class.

Table D-4. Summary of results (rounded to the nearest 10 acres) for the Central Florida Water Initiative Planning Area assessment of primarily groundwater-dominated Plains wetlands, excluding wetlands with hydrological alteration. Model Layer 1 (surficial aquifer system) of the ECFTXv2.0 model was used to predict the wetland water level change.

Wetland Class	Total Acres of Wetlands (Stressed and Not Stressed)	Acres of Stressed Wetlands for 2016-2020 Reference Condition	Probable Net Change in Acres of 0Stressed Wetlands				
			2025 Withdrawals Condition	2030 Withdrawals Condition	2035 Withdrawals Condition	2040 Withdrawals Condition	2045 Withdrawals Condition
Class 1	1,200	710	10	20	20	30	30
Class 2	29,510	2,600	190	290	360	440	500
Class 3	352,140	72,290	1,250	1,900	2,400	2,920	3,340
Total	**382,850**	**75,600**	**1,450**	**2,210**	**2,780**	**3,390**	**3,870**

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Table D-5. Summary of results (rounded to the nearest 10 acres) for the Central Florida Water Initiative Planning Area assessment of primarily groundwater-dominated Ridge wetlands, excluding wetlands with hydrologic alteration.

Model Layer Used to Predict Wetland Water Level Change	Wetland Class	Total Acres of Wetlands (Stressed and Not Stressed)	Acres of Stressed Wetlands for 2016-2020 Reference Condition	Probable Net Change in Acres of Stressed Wetlands				
				2025 Withdrawals Condition	2030 Withdrawals Condition	2035 Withdrawals Condition	2040 Withdrawals Condition	2045 Withdrawals Condition
Surficial Aquifer System (Model Layer 1)	Class 1	4,920	1,160	10	10	10	10	10
	Class 2	6,350	2,050	90	140	170	200	230
	Class 3	48,170	11,730	490	720	880	1,050	1,170
	Total	**59,440**	**14,940**	**590**	**870**	**1,060**	**1,260**	**1,410**
Upper Floridan Aquifer (Model Layer 3)	Class 1	4,920	1,160	130	190	220	250	290
	Class 2	6,350	2,050	240	380	470	570	640
	Class 3	48,170	11,730	1,440	2,440	3,090	3,780	4,300
	Total	**59,440**	**14,940**	**1,810**	**3,010**	**3,780**	**4,600**	**5,230**

As represented in **Tables D-4** and **D-5**, when compared to the 2016-2020 RC, the probable net increase in Stressed wetland acres for Plains and Ridge wetlands resulting from the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions is shown graphically in **Figure D-12**. **Figures D-13** and **D-14** show a comparison of the probable change in the proportion of Stressed and Not Stressed Plains and Ridge wetland acres for each of the Withdrawals Conditions, and the percentages of probable increase in acres of Stressed wetlands compared to the 2016-2020 RC.

Under the 2016-2020 RC, approximately 20 percent of the Plains wetlands are currently stressed. The total probable acres of Stressed Plains wetlands increased by 0.4 percent for the 2025 Withdrawals Condition; 0.6 percent for the 2030 Withdrawals Condition; 0.8 percent for the 2035 Withdrawals Condition; 0.9 percent for the 2040 Withdrawals Condition; and 1.1 percent for the 2045 Withdrawals Condition, each compared to the 2016-2020 RC (**Figure D-13**).

Approximately 25 percent of Ridge wetlands are currently Stressed under the 2016-2020 RC. The total probable acres of Stressed Ridge wetlands increased between 1 and 3 percent for the 2025 Withdrawals Condition; by 1.5 and 5 percent for the 2030 Withdrawals Condition; by 2 and 6 percent for the 2035 Withdrawals Condition; by 2 to 8 percent for the 2040 Withdrawals Condition; and by 2 to 9 percent for the 2045 Withdrawals Condition, each compared to the 2016-2020 RC (**Figure D-14**).

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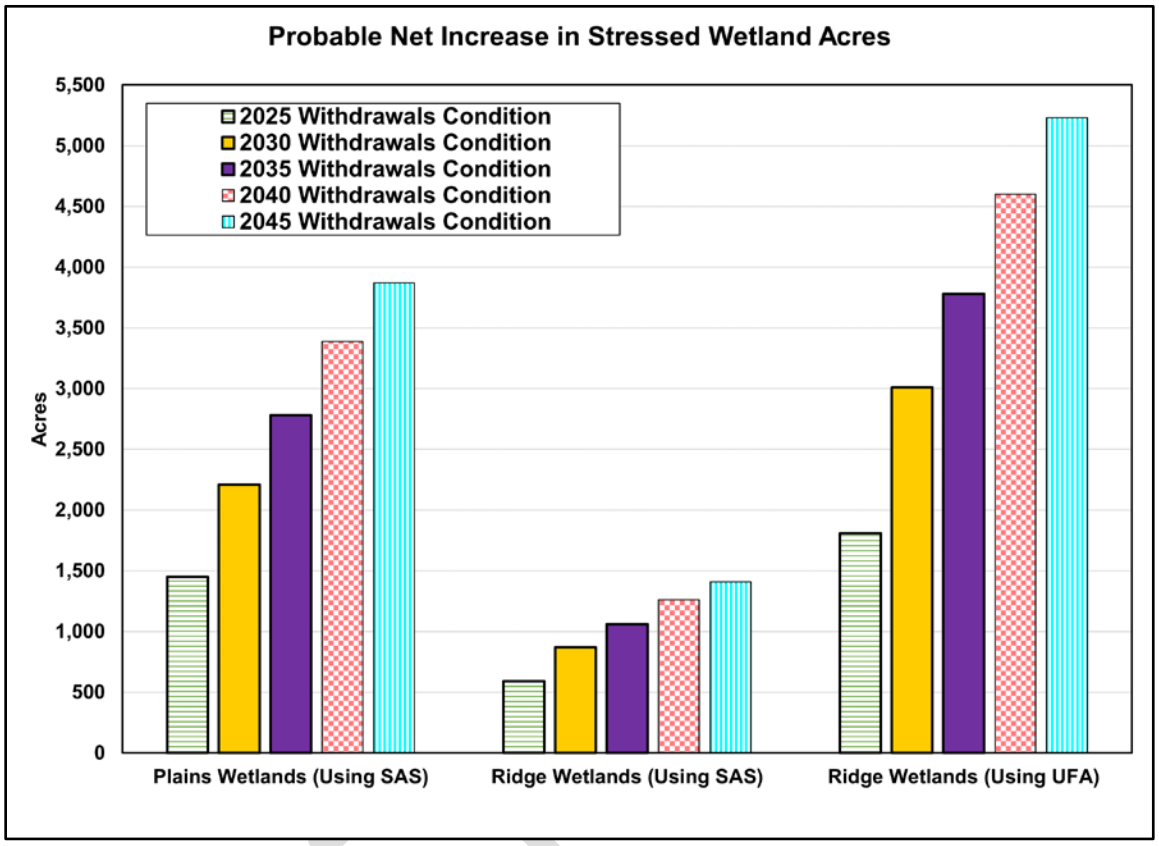


Figure D-12. The probable net increase in acres of Stressed Plains and Ridge wetlands for the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions.

Note: SAS – surficial aquifer system; UFA – Upper Floridan aquifer.

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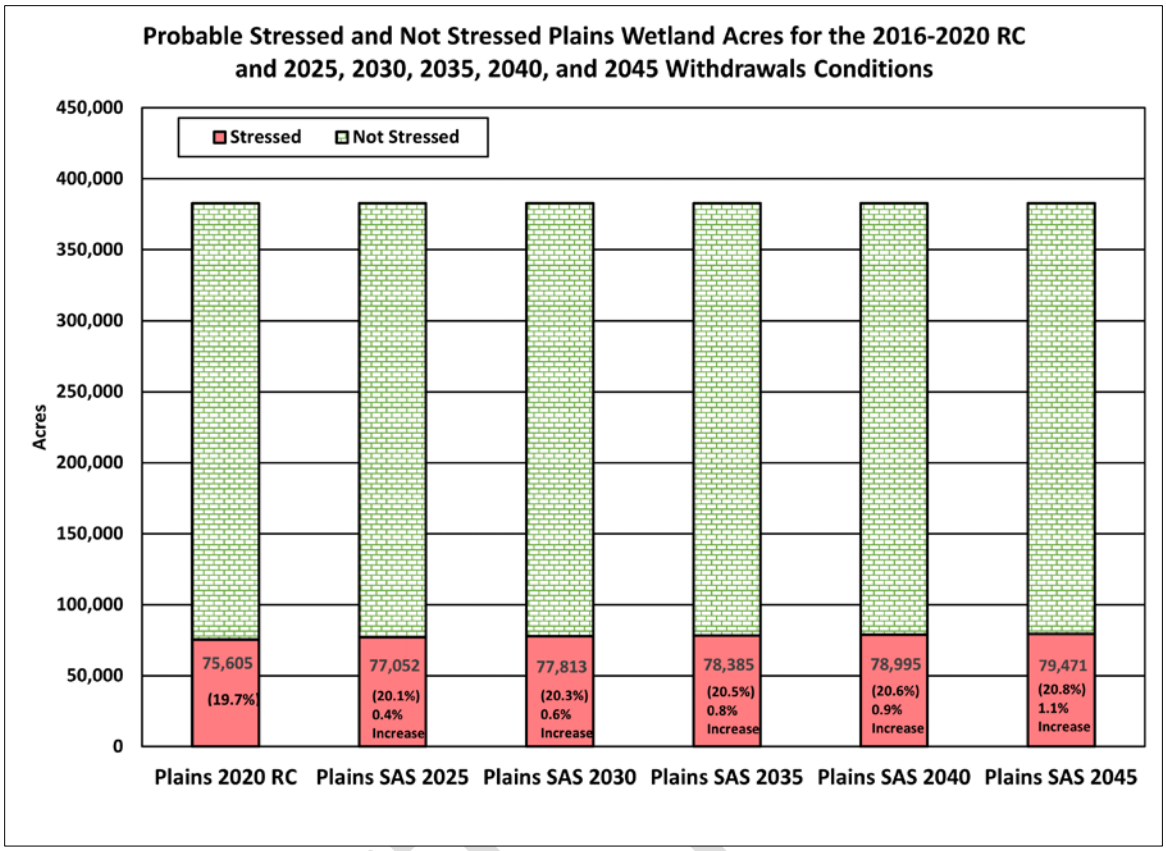


Figure D-13. A comparison of probable acres of Stressed and Not Stressed Plains wetlands for the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions.

Note: RC – 2016-2020 Reference Condition; SAS – surficial aquifer system.

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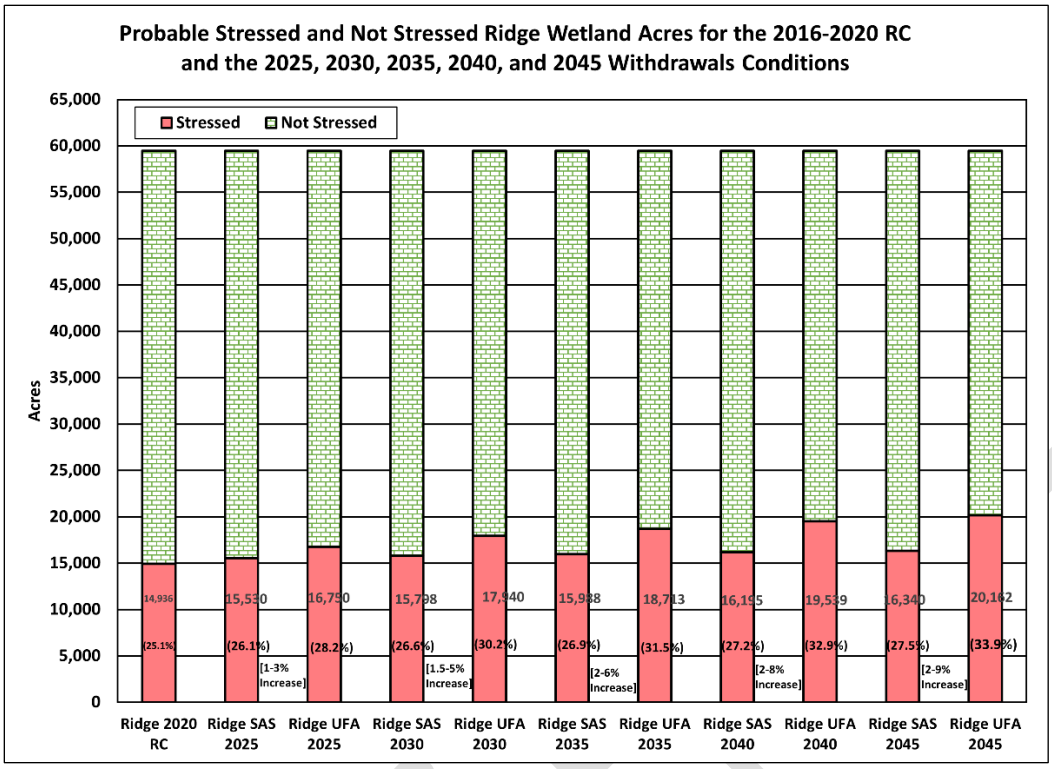


Figure D-14. A comparison of probable acres of Stressed and Not Stressed Ridge wetlands for the 2025, 2030, 2035, 2040, and 2045 Withdrawals Conditions.

Note: RC – 2016-2020 Reference Condition; SAS – surficial aquifer system; UFA – Upper Floridan aquifer.

Regional maps of the probable acres of change in stress by model cell for Plains and Ridge wetlands for the Withdrawals Conditions are presented below. Since Model Layer 1 was used to predict wetland water level changes for both Plains and Ridge wetlands, it represents the low range, and the high range is represented by Model Layer 3 as it was used to predict water level changes for Ridge wetlands.

- 2025 Withdrawals Condition are shown in **Figures D-15** and **D-16**
- 2030 Withdrawals Condition are shown in **Figures D-17** and **D-18**
- 2035 Withdrawals Condition are shown in **Figures D-19** and **D-20**
- 2040 Withdrawals Condition are shown in **Figures D-21** and **D-22**
- 2045 Withdrawals Condition are shown in **Figures D-23** and **D-24**

Similar to previous analyses conducted in support of the 2015 and 2020 CFWI RWSPs, results of the wetlands risk assessment evaluated the probability of wetland stress occurring at the regional scale, which limits its precision, and should not be applied at the local scale. Wetland stress response is sensitive to the initial hydrologic condition of each wetland, and this is not known for most wetlands within the CFWI Planning Area. Both uncertainties were minimized by averaging the effects across the entire CFWI Planning Area. Averaging reduces the overall

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effect of random errors because randomly distributed positive and negative errors at individual locations tend to cancel each other out when predicted effects at individual locations are summed across the CFWI Planning Area to obtain a predicted net regional effect (CFWI 2013, 2020b).

For **Figures D-15** through **D-24,** the negative values (green shading) represent change from Stressed to Not Stressed, while the positive values (white, yellow, orange, and pink shading) represent change from Not Stressed to Stressed. Since the risk assessments are at a regional scale, these regional maps cannot be applied locally to individual lakes and wetland systems.

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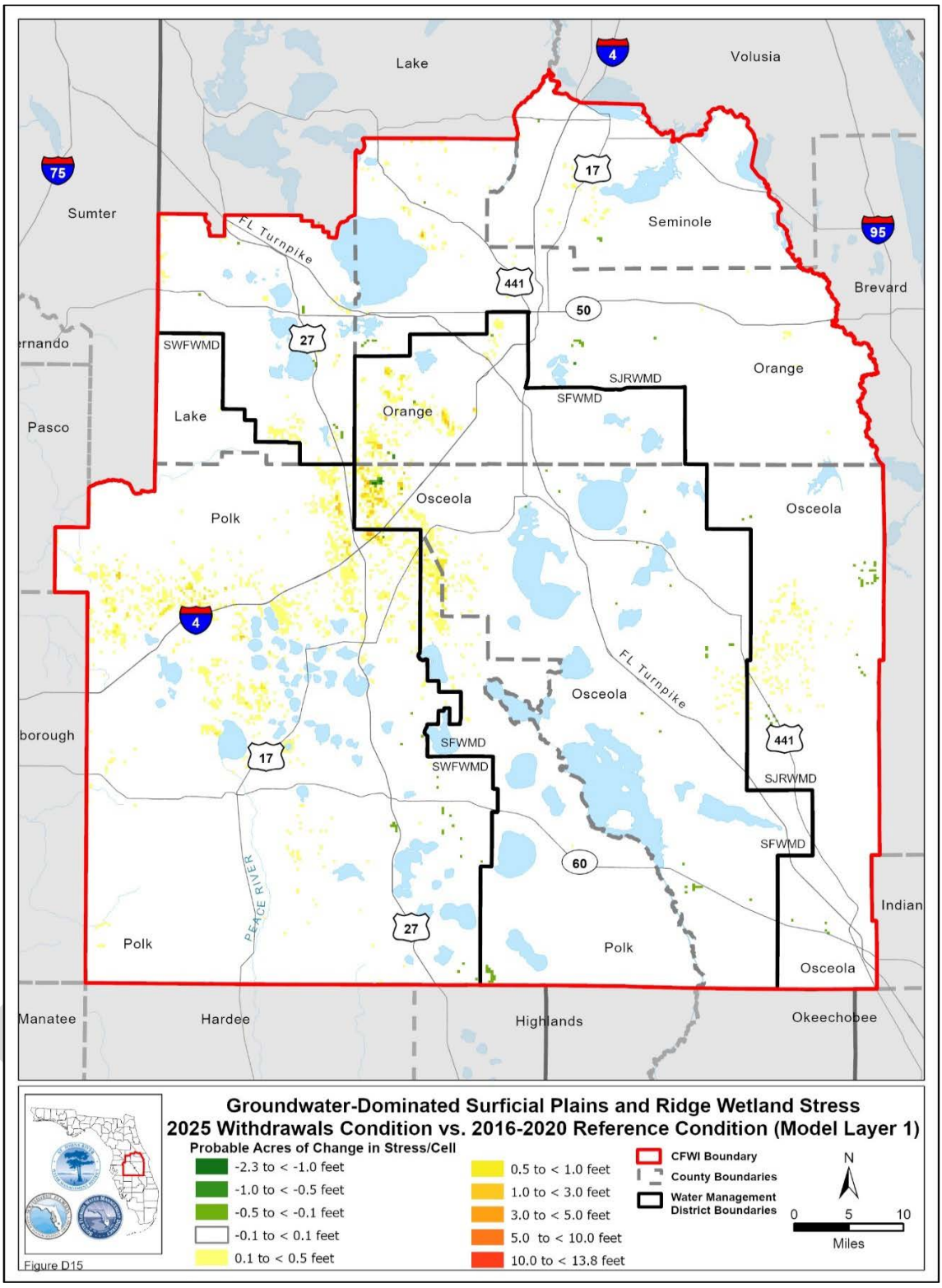


Figure D-15. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains and Ridge wetlands using Model Layer 1 (surficial aquifer system) to predict wetland water level change for the 2025 Withdrawals Condition.

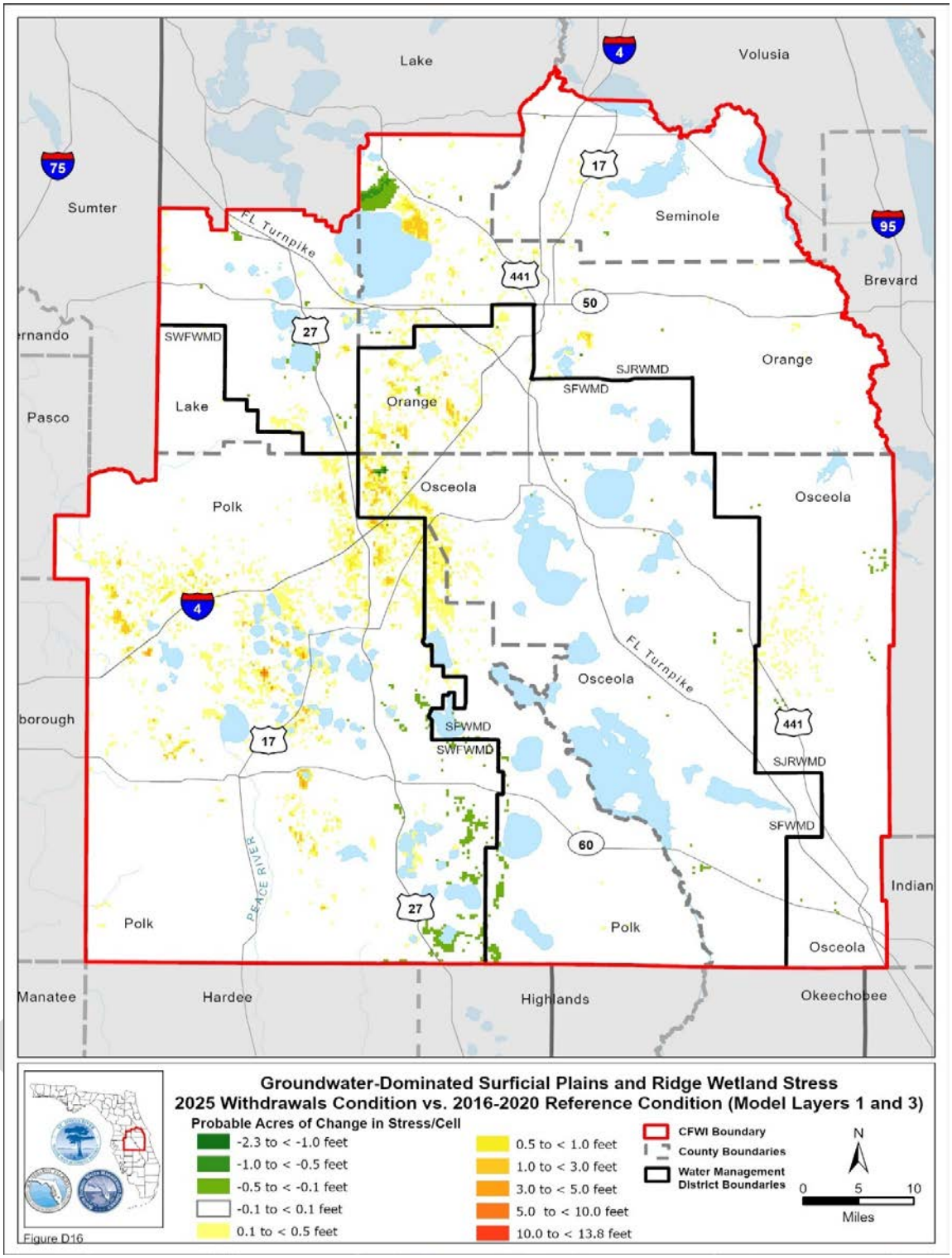


Figure D-16. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains wetlands using Model Layer 1 (surficial aquifer system) and Ridge wetlands using Model Layer 3 (Upper Floridan aquifer) to predict wetland water level change for the 2025 Withdrawals Condition.

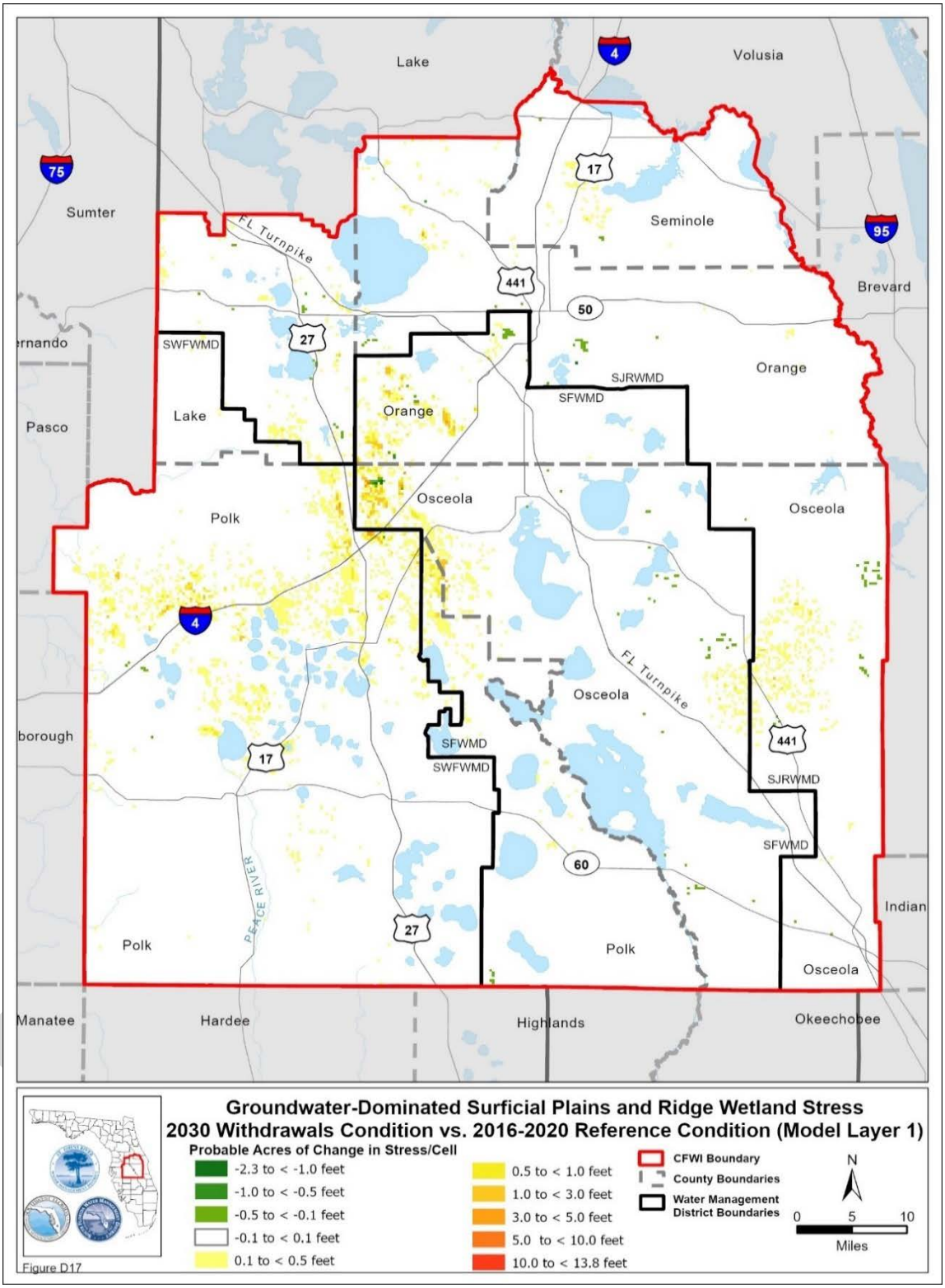


Figure D-17. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains and Ridge wetlands using Model Layer 1 (surficial aquifer system) to predict wetland water level change for the 2030 Withdrawals Condition.

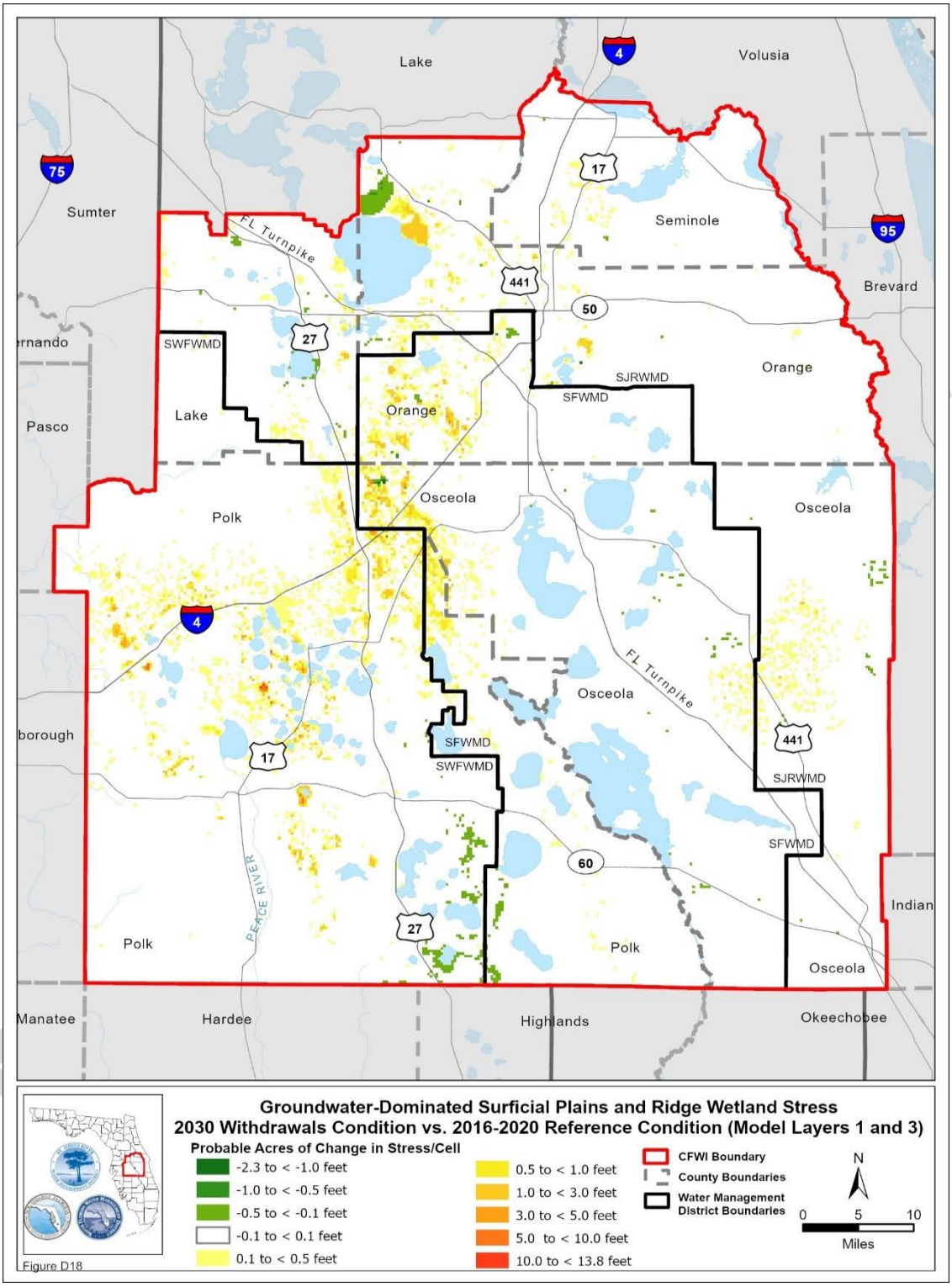


Figure D-18. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains wetlands using Model Layer 1 (surficial aquifer system) and Ridge wetlands using Model Layer 3 (Upper Floridan aquifer) to predict wetland water level change for the 2030 Withdrawals Condition.

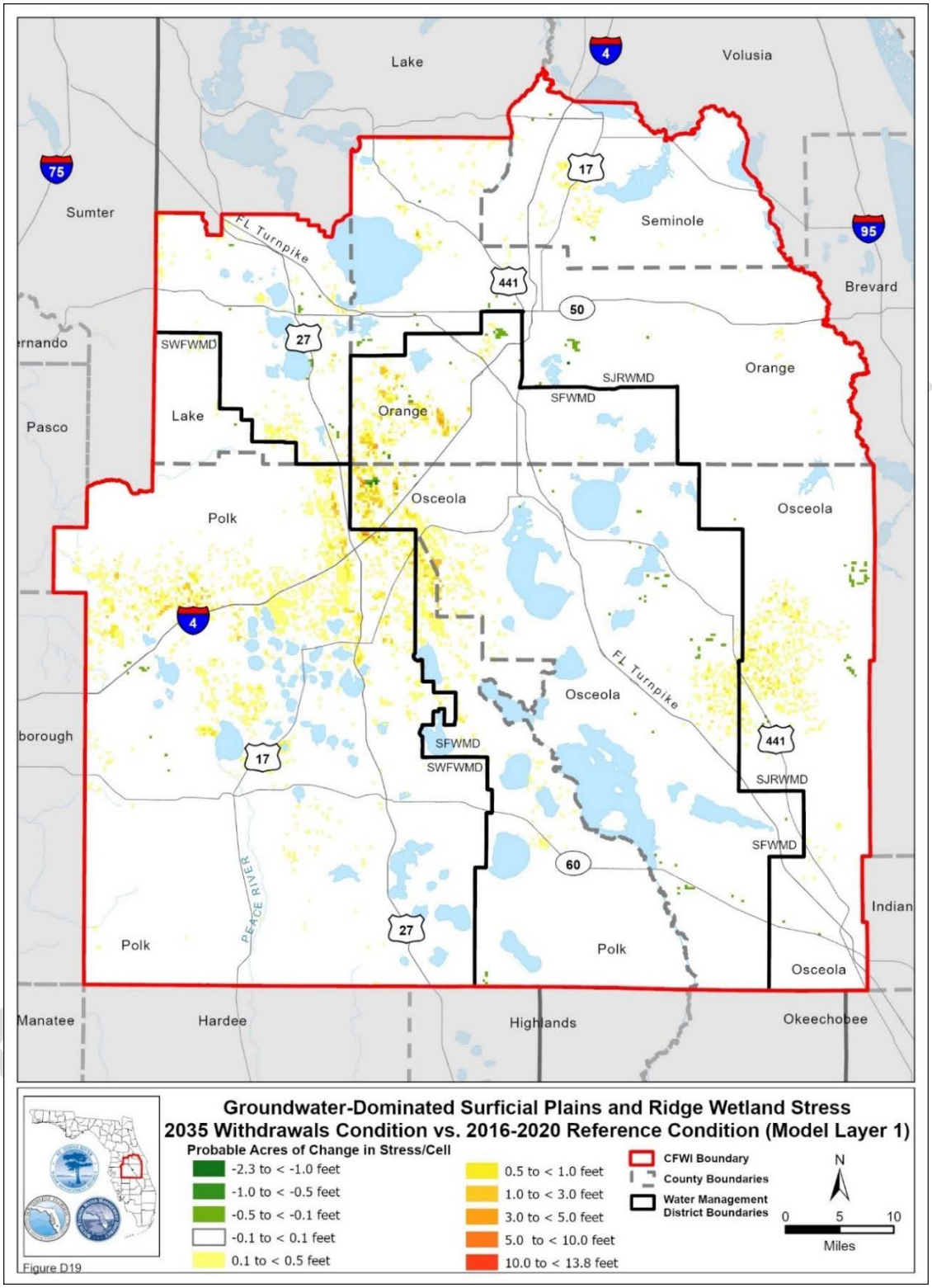


Figure D-19. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains and Ridge wetlands using Model Layer 1 (surficial aquifer system) to predict wetland water level change for the 2035 Withdrawals Condition.

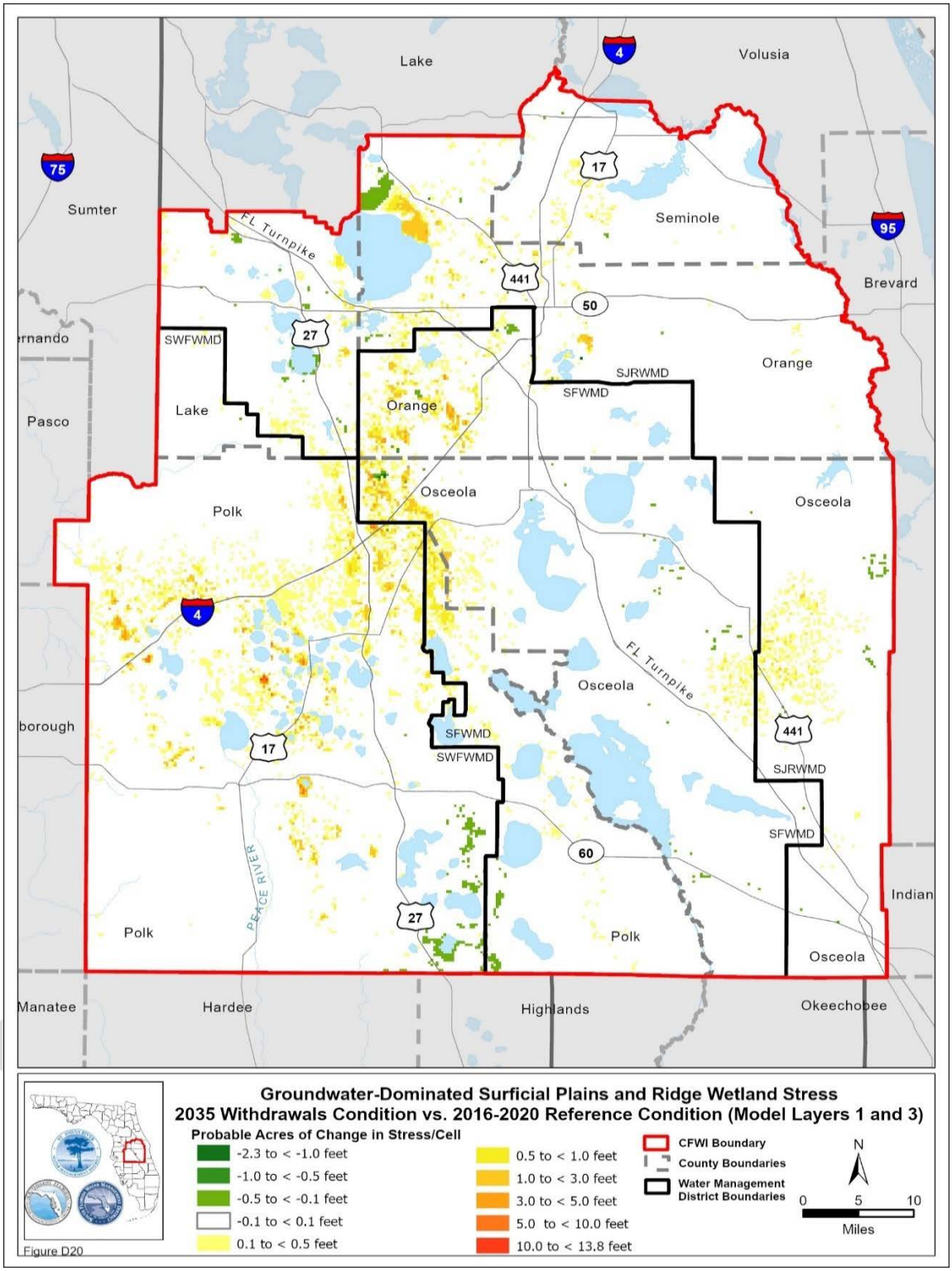


Figure D-20. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains wetlands using Model Layer 1 (surficial aquifer system) and Ridge wetlands using Model Layer 3 (Upper Floridan aquifer) to predict wetland water level change for the 2035 Withdrawals Condition.

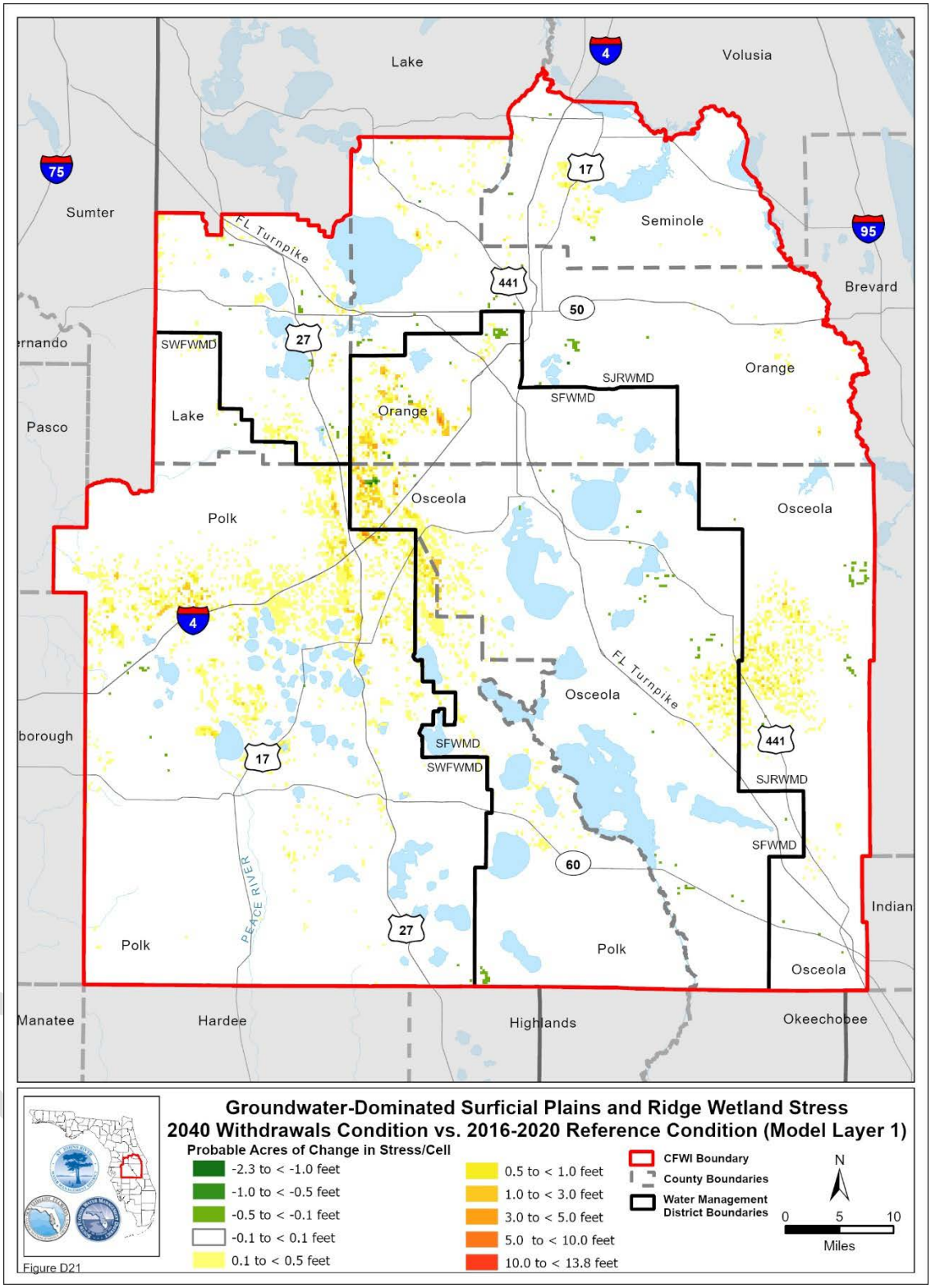


Figure D-21. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains and Ridge wetlands using Model Layer 1 (surficial aquifer system) to predict wetland water level change for the 2040 Withdrawals Condition.

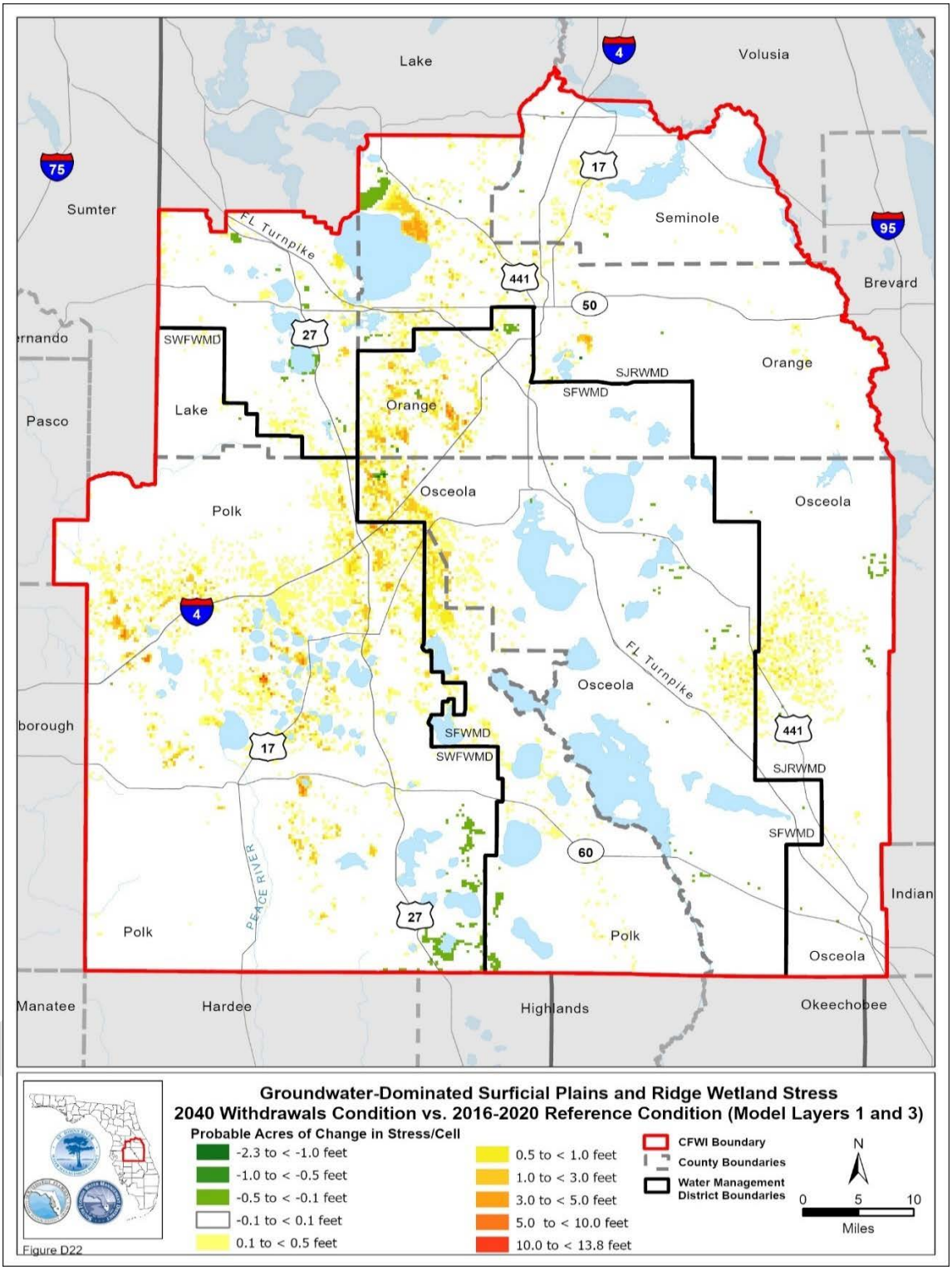


Figure D-22. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains wetlands using Model Layer 1 (surficial aquifer system) and Ridge wetlands using Model Layer 3 (Upper Floridan aquifer) to predict wetland water level change for the 2040 Withdrawals Condition.

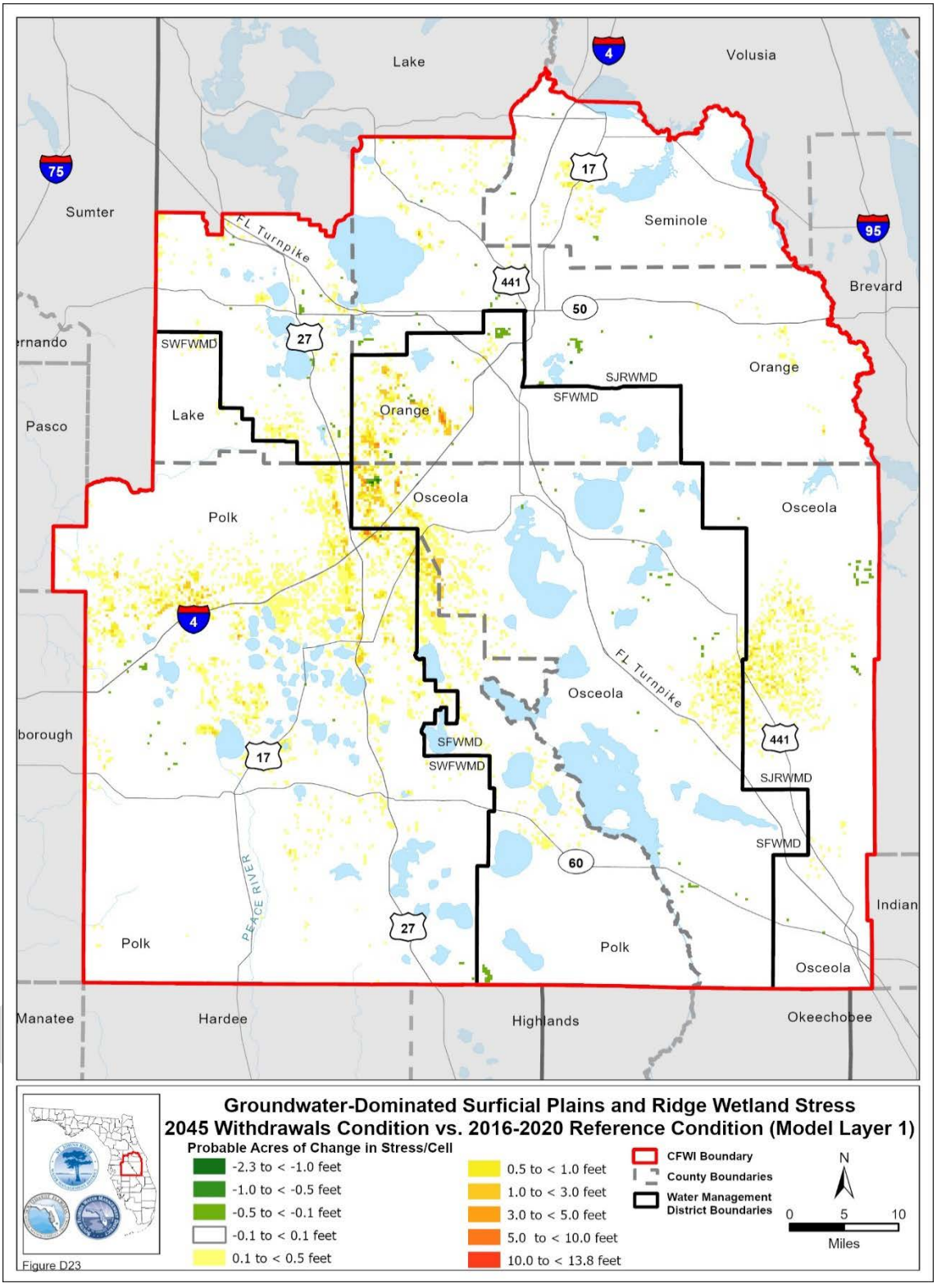


Figure D-23. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains and Ridge wetlands using Model Layer 1 (surficial aquifer system) to predict wetland water level change for the 2045 Withdrawals Condition.

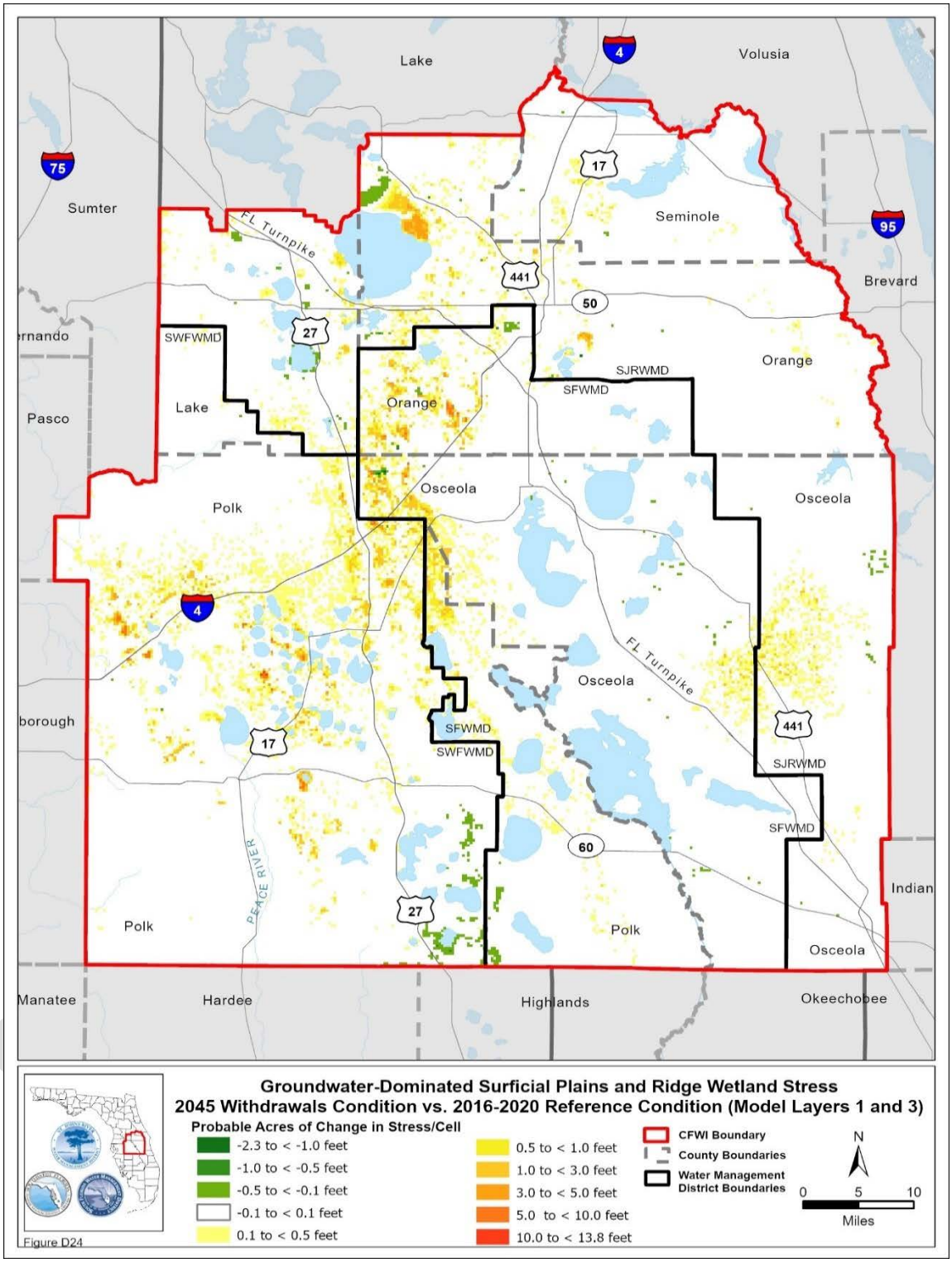


Figure D24

Figure D-24. Compared to the 2016-2020 Reference Condition, the probable acres of change in stress by model cell for Plains wetlands using Model Layer 1 (surficial aquifer system) and Ridge wetlands using Model Layer 3 (Upper Floridan aquifer) to predict wetland water level change for the 2045 Withdrawals Condition.

The difference in vertical flows between the production horizon (Model Layers 3 and 5) and the model layer below wellfield areas of concern (Model Layer 9) were evaluated against the increased withdrawals between the 2016-2020 RC and 2045 Withdrawals Condition. A map representing the predicted increased vertical flux through the bottom face of Model Layer 5 in the ECFTXv2.0 model (i.e., upward movement from the LFA to the UFA) was created showing the location of these wellfields (**Figure D-25**). The map also depicts a generalized configuration of the TDS concentrations in Model Layer 9 (LFA), reveals that these wellfields lie in an area that is predicted to experience a nominal increase in vertical flux where higher concentrations of TDS exist at depth in the LFA. **Figure D-26,** an inset of **Figure D-25,** focused on Seminole County. There are a couple of areas in the City of Sanford and Seminole County where both vertical flux and background TDS concentrations in Model Layer 9 are elevated. In these instances, the relatively small amount of additional increased flux is not expected to lead to unacceptable additional water quality degradation given the monitoring and management plans that are implemented through the CUPs associated with these assessed wellfield areas. **Figure D-27,** an inset of **Figure D-25,** focused on Polk County, which denotes a couple of areas in the cities of Winter Haven and Auburndale where both vertical flux and background TDS concentrations in Model Layer 9 are elevated. A similar map was created depicting the predicted increase in vertical flux through the bottom face of Model Layer 9 in the ECFTXv2.0 model (i.e., representing upward movement from the lower LFA to the upper LFA) (**Figure D-28**). As a qualitative assessment for water quality, this effort provides insight and identifies areas where the potential for upward flux exists due to increased pumping.

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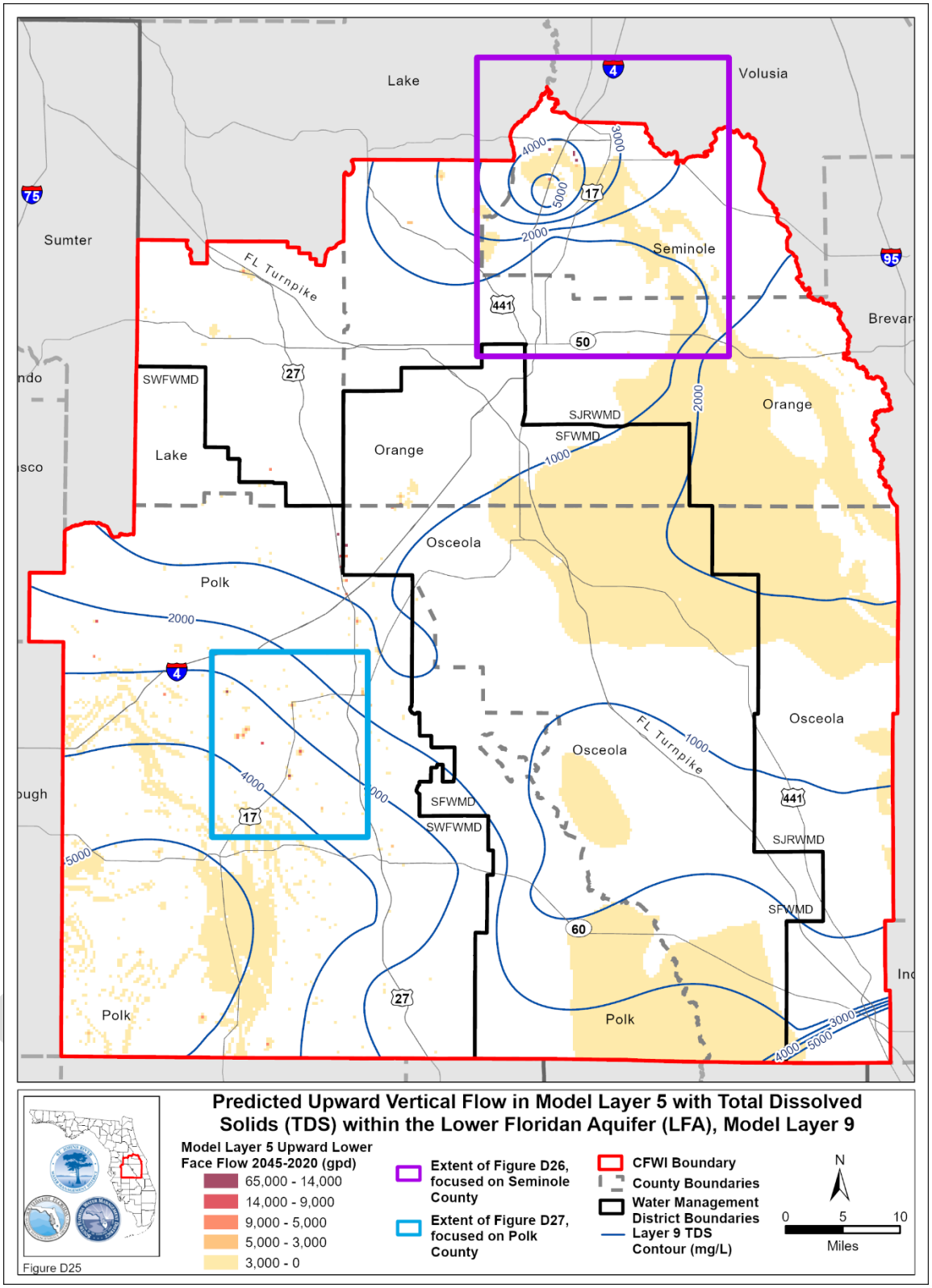


Figure D-25. Predicted increased vertical flow through the bottom face of Model Layer 5 between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition with total dissolved solids concentration contours in Model Layer 9 lower Floridan Aquifer within the Central Florida Water Initiative Planning Area.

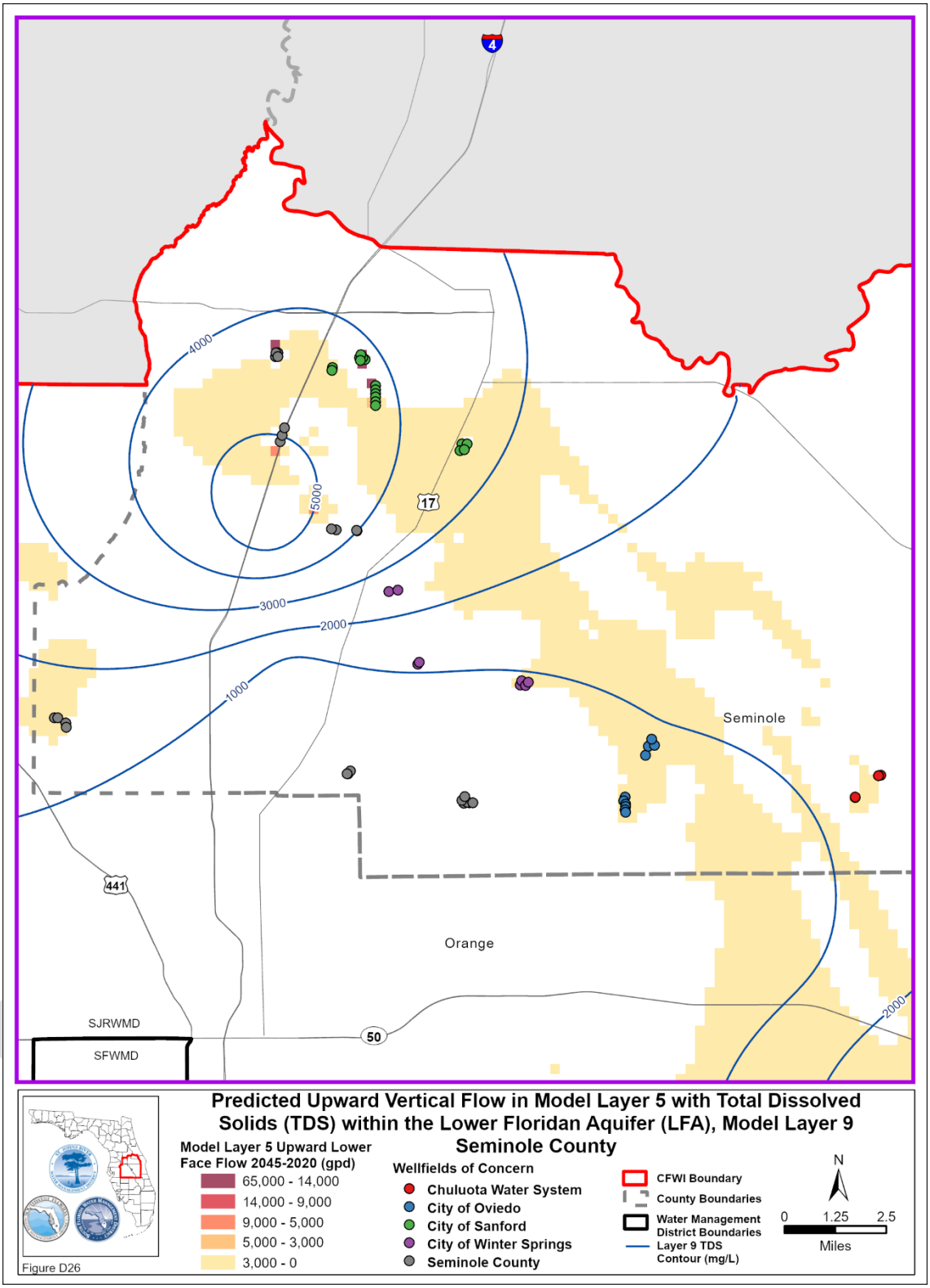


Figure D-26. Predicted increased vertical flow through the bottom face of Model Layer 5 between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition with total dissolved solids concentration contours in Model Layer 9 Lower Floridan aquifer within Seminole County.

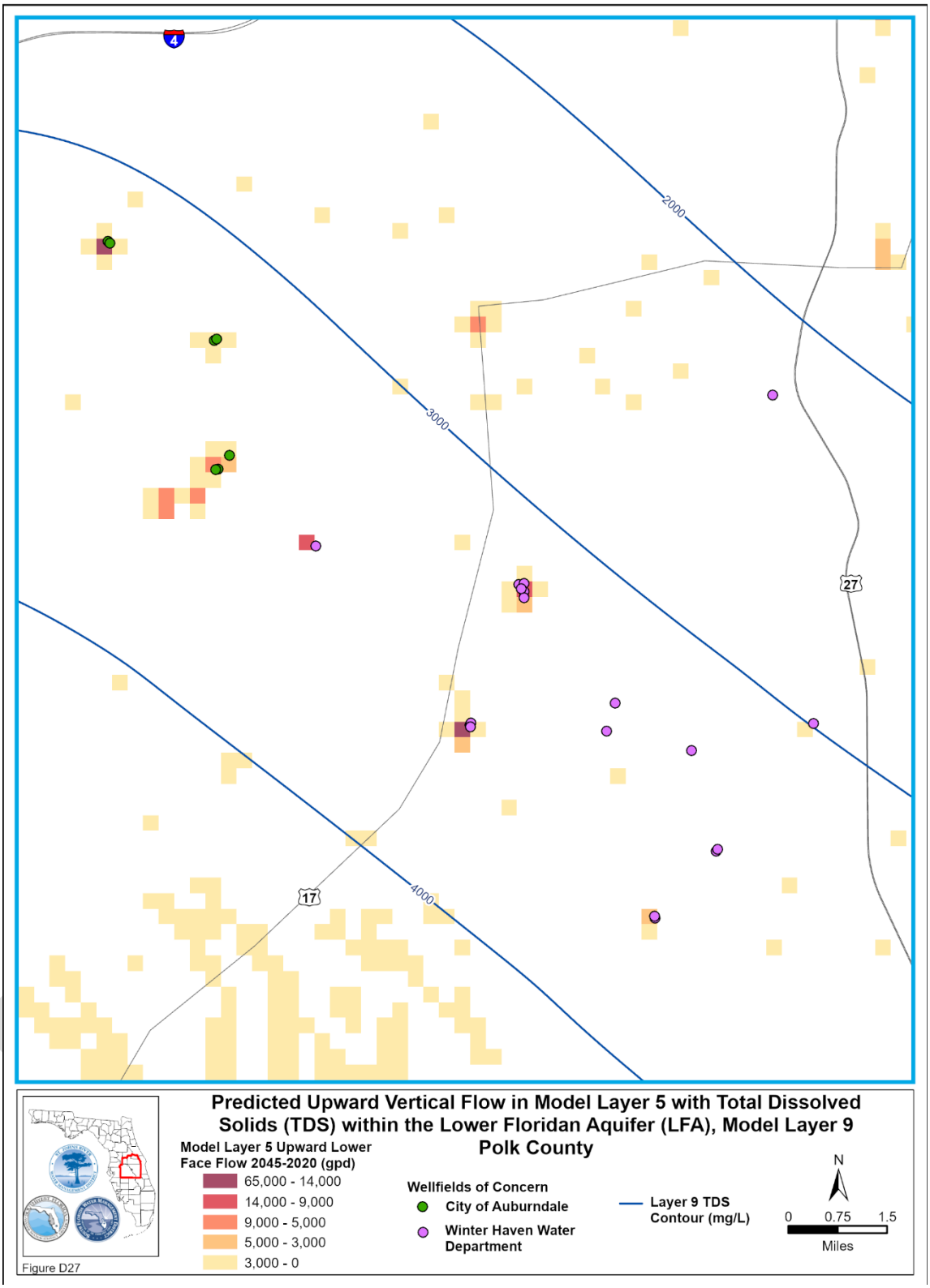


Figure D-27. Predicted increased vertical flow through the bottom face of Model Layer 5 between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition with total dissolved solids concentration contours in Model Layer 9 lower Floridan Aquifer within Polk County, Florida.

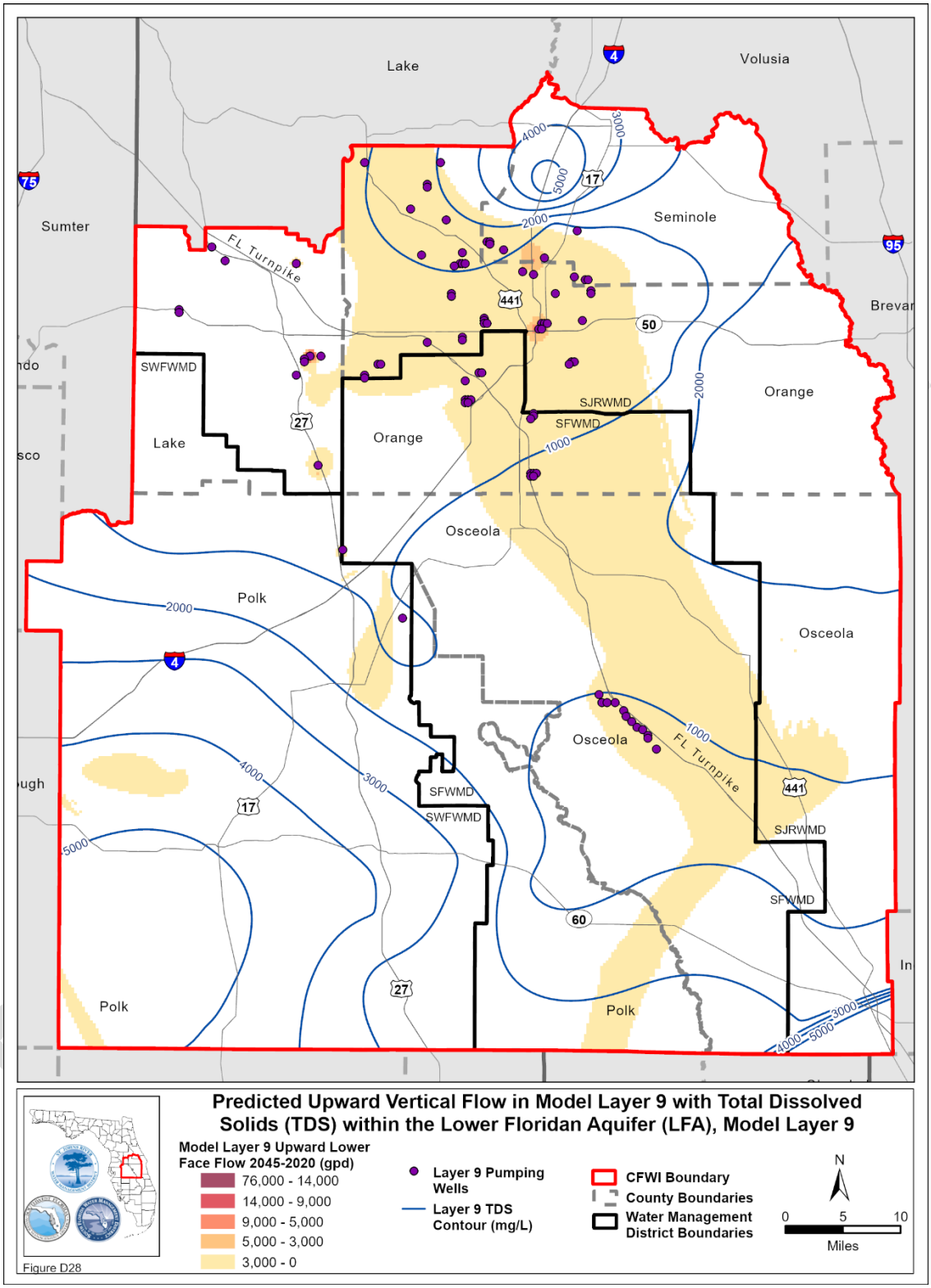


Figure D-28. Predicted upward vertical flow through the bottom face of Model Layer 9 between the 2016-2020 Reference Condition and the 2045 Withdrawals Condition with total dissolved solids contours within the Central Florida Water Initiative Planning Area.

Note: Model Layer 9 pumping wells represented as purple circles.

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E

Water Supply and Water Resource Development Project Options

INTRODUCTION

This Appendix provides a list of 140 potential water supply and water resource development project (WRDP) options for the Central Florida Water Initiative (CFWI) Planning Area, as well as 27 water conservation project options (**Figure E-1** and **Table E-1**). The project options listed in **Tables E-2** through **E-7** include 40 projects from the 2015 CFWI Regional Water Supply Plan (RWSP), 61 projects from the 2020 CFWI RWSP, and 66 new projects identified by the St. Johns River Water Management District (SJRWMD), South Florida Water Management District (SFWMD), and the Southwest Florida Water Management District (SWFWMD) (collectively referred to as the Districts) or submitted by stakeholders. The Districts solicited project updates and new project options for inclusion in the 2025 CFWI RWSP.

Cumulatively, the 140 water supply project options could treat, store, or produce up to 596 million gallons per day (mgd) (approximately 514 mgd net water) of additional water supply or water resource benefit, exceeding the 2045 projected water supply shortfall of 96 mgd. Projects are arranged by type: brackish/nontraditional groundwater, water conservation, reclaimed water, surface water, stormwater, and management strategy options. Within each type, projects are organized by project number. Projects from the 2015 or 2020 CFWI RWSP are numbered as "2015" or "2020" followed by their original project number. New projects for this 2025 CFWI RWSP are numbered as "2025" followed by a newly assigned number based on the order presented. Some of these projects are in the planning stage or conceptual in nature, and their actual water supply capacity may change after the project is implemented.

A project identified for inclusion in this 2025 CFWI RWSP document might not necessarily be selected for development by the listed implementing agency or entity. In accordance with Section 373.709(7), Florida Statutes (F.S.), nothing contained in the water supply component of a RWSP should be construed as a requirement for local governments, public or privately-owned utilities, special districts, self-suppliers, multi-jurisdictional entities, and other water suppliers to select that identified project.

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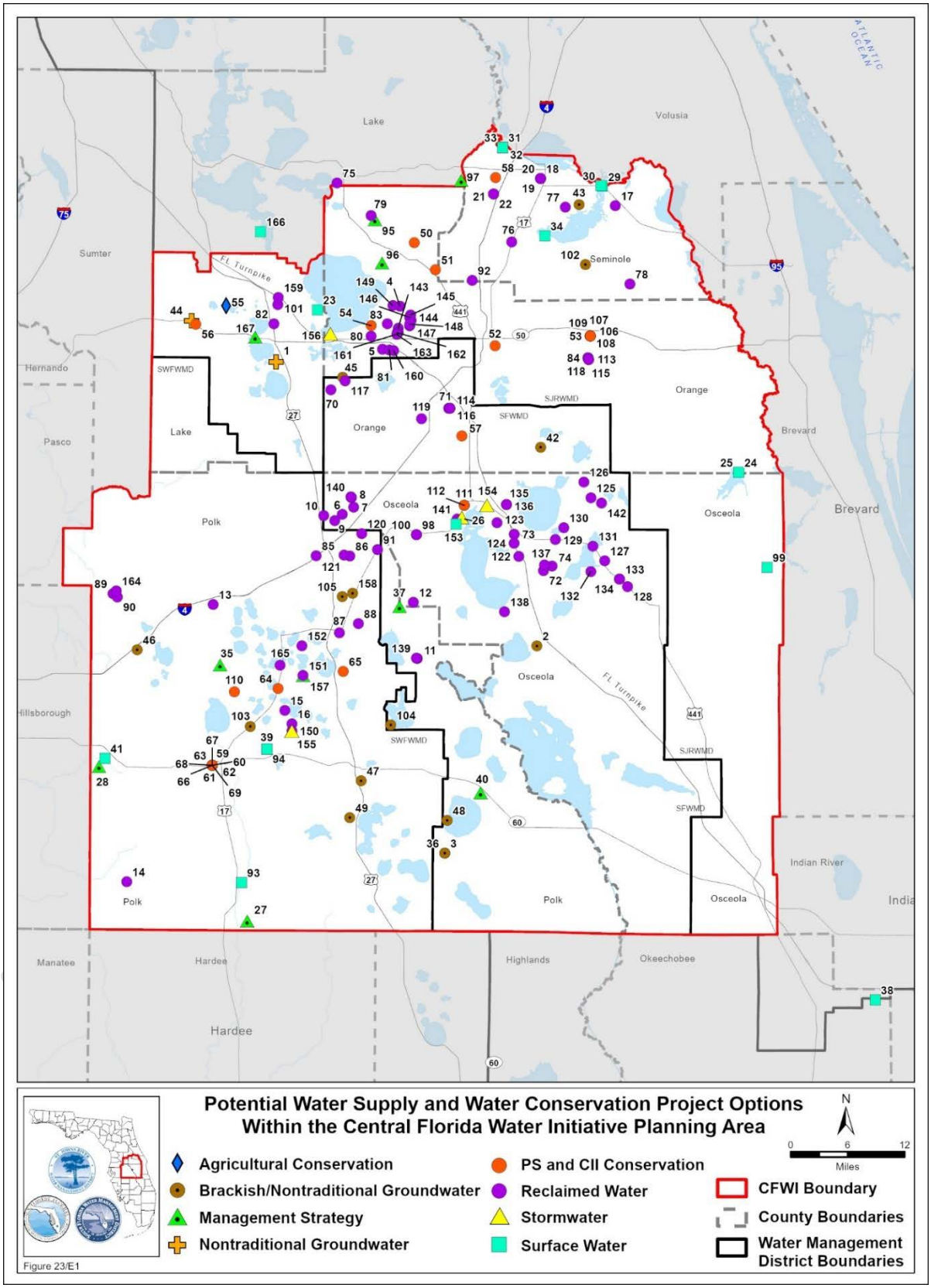


Figure E-1. Map of all CFWI Water Supply Project Options.

Note: Numbers correspond to the CFWI RWSP project numbers in **Table E-1.**

Table E-1. Potential water supply and water conservation project options within the Central Florida Water Initiative Planning Area Figure E-1 Crosswalk.

Project Map ID	RWSP Project Number	County	District	Project Name	Implementing Agency or Entity	Project Type
1	2015_1	Lake	SJRWMD	South Lake County Wellfield - Distributed	Minneola, Groveland, Clermont, Utilities, Inc of Florida	Nontraditional groundwater
2	2015_3,4,5	Osceola	SFWMD	Cypress Lake Wellfield, Treatment, and Booster Pump (Sum of CFWI 2015 RWSP Project # 3, 4, and 5)	Water Cooperative of Central Florida	Brackish groundwater
3	2015_28	Polk	SWFWMD	Polk Southeast Wellfield	PRWC	Brackish groundwater
4	2015_42	Orange	SJRWMD	City of Ocoee Northwest Reuse Re-Pump Station and Interconnection Mains	Ocoee, City of	Reclaimed Water
5	2015_44	Orange	SJRWMD	Project RENEW	OUC	Reclaimed Water
6	2015_54	Osceola	SFWMD	Goodman Road Reuse Main Extension	TWA	Reclaimed Water
7	2015_55	Osceola	SFWMD	Sinclair Road Reuse Main Extension	TWA	Reclaimed Water
8	2015_56	Osceola	SFWMD	Sandhill Road WRF Expansion	TWA	Reclaimed Water
9	2015_57	Osceola	SFWMD	Western Reuse Pumping Facility and Reuse Mains	TWA	Reclaimed Water
10	2015_60	Osceola	SFWMD	160-Acre Site AWS	TWA	Reclaimed Water
11	2015_61	Osceola	SFWMD	Lake Marion WRF Expansion Phase 1	TWA	Reclaimed Water
12	2015_62	Osceola	SFWMD	Cypress West WRF Phase 1B	TWA	Reclaimed Water
13	2015_64	Polk	SWFWMD	Auburndale Polytechnic Reclaimed Water Storage and Transmission Project	Auburndale, City of	Reclaimed Water
14	2015_99	Polk	SWFWMD	Lakeland WWTP (Northside & Glendale) Reuse Expan. to TECO 2020 - 2030, City of Lakeland	TECO, Lakeland	Reclaimed Water
15	2015_101	Polk	SWFWMD	Winter Haven Reuse Interconnect & Aquifer Recharge	Winter Haven/Polk Regional Water Cooperative	Reclaimed Water
16	2015_103	Polk	SWFWMD	Winter Haven #3 Reclaimed Water Interconnect, Storage and Pumping	Winter Haven, City of	Reclaimed Water
17	2015_110	Seminole	SJRWMD	Site 10 Pond Expansion	Sanford, City of	Reclaimed Water
18	2015_111	Seminole	SJRWMD	Reclaimed Water Orlando-Sanford International Airport Interconnection	Sanford, City of	Reclaimed Water
19	2015_112	Seminole	SJRWMD	Lake Mary Reclaimed Water System Retrofit	Sanford and Lake Mary, Cities of	Reclaimed Water
20	2015_115	Seminole	SJRWMD	Mill Creek Pond Expansion	Sanford, City of	Reclaimed Water
21	2015_120	Seminole	SJRWMD	Seminole County Residential Reclaimed Water Retrofit Project - Phase IV	Seminole County	Reclaimed Water
22	2015_121	Seminole	SJRWMD	Seminole County Residential Reclaimed Water Retrofit Project - Phase V	Seminole County	Reclaimed Water
23	2015_125	Lake	SJRWMD	SMART Project	Minneola, City of	Surface Water
24	2015_126	Orange and Osceola	SJRWMD/ SFWMD	Taylor Creek Reservoir/St Johns River Water Supply Project (Phase 2)	City of Cocoa, East Central Florida Services, Orange County, OUC, TWA, and Farmland Reserve	Surface Water
25	2020_53	Orange and Osceola	SJRWMD	Taylor Creek Reservoir Improvements Project (Phase 1)	SJRWMD	Surface Water
26	2015_128	Osceola	SFWMD	Judge Farms Reservoir & Impoundment Project	Osceola County / TWA	Stormwater

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Table E-1. Potential water supply and water conservation project options within the Central Florida Water Initiative Planning Area Figure E-1 Crosswalk (continued).

Project Map ID	RWSP Project Number	County	District	Project Name	Implementing Agency or Entity	Project Type
27	2015_133	Polk	SWFWMD	PRM RWSA / PRWC Joint Water Supply Partnership	PRWC, PRMRWSA	Management Strategy
28	2015_134	Polk	SWFWMD	TBW/ PRWC Joint Water Supply Partnership	PRWC, TBW	Management Strategy
29	2015_135	Seminole	SJRWMD	St. Johns River Near SR 46	Orange County, Cities of Casselberry, Deltona, Maitland, Oviedo, and Sanford	Surface Water
30	2015_137	Seminole	SJRWMD	Sanford ASR Well for Surface Potable Water Storage	Sanford, City of	Surface Water
31	2015_138a	Seminole	SJRWMD	St. Johns River near Yankee Lake - Option 1	Seminole County, SJRWMD	Surface Water
32	2015_138b	Seminole	SJRWMD	St. Johns River near Yankee Lake - Option 2	Seminole County, SJRWMD	Surface Water
33	2015_138c	Seminole	SJRWMD	St. Johns River near Yankee Lake - Option 3	Seminole County, SJRWMD	Surface Water
34	2015_139	Seminole	SJRWMD	Winter Springs - Lake Jesup Reclaimed Water Augmentation Project	Winter Springs, City of	Surface Water
35	2015_140	Polk	SWFWMD	Wellfield Sharing	PRWC	Management Strategy
36	2015_141	Polk	SWFWMD	PRWC Regional Transmission Southeast	PRWC	Brackish groundwater
37	2015_142	Polk	SWFWMD	Joint TWA/ Polk County Supply	TWA, Polk County Utilities	Management Strategy
38	2015_144	Okeechobee/Indian River	SFWMD/ SJRWMD	Grove Land Reservoir and STAs	Grove Land Utilities	Surface Water
39	2015_146	Polk	SWFWMD	Peace Creek Integrated Water Supply Project (Sapphire Necklace)	Winter Haven, City of / PRWC	Surface Water
40	2015_148	Orange, Osceola, Polk, Seminole, Lake	SJRWMD, SFWMD, SWFWMD	FDOT Reuse projects	FDOT, SJRWMD, SFWMD, SWFWMD	Management Strategy
41	2015_150	Polk	SWFWMD	Polk County Regional Alafia River Basin	PRWC	Surface Water
42	2020_1	Orange	SFWMD/ SJRWMD	OUC Southeast Brackish WTF and Wellfield	OUC	Brackish groundwater
43	2020_2	Seminole	SJRWMD	City of Sanford Brackish RO WTP	Sanford, City of	Brackish groundwater
44	2020_3	Lake	SJRWMD	City of Mascotte Lower Floridan Aquifer Wellfield	Mascotte, City of	Nontraditional groundwater
45	2020_4	Orange	SJRWMD	Orange County Utilities Malcom Rd Minimized Impact Project LFW	Orange County Utilities	Brackish Groundwater
46	2020_5	Polk	SWFWMD	PRWC West Polk Wellfield	PRWC	Brackish groundwater
47	2020_6	Polk	SWFWMD	Hydrogeologic Investigation of the LFA in Polk County	SWFWMD	Brackish groundwater
48	2020_7	Polk	SWFWMD	Sources/Ages of Groundwater in the LFA in Polk County	SWFWMD	Brackish groundwater
49	2020_8	Polk	SWFWMD	Lower Floridan Exploration Optical Borehole Imaging in Polk County	SWFWMD	Brackish groundwater
50	2020_9	Orange	SJRWMD	Orange County Utilities - Waterwise Neighbor Program	Orange County Utilities	PS and CII Conservation
51	2020_10	Orange	SJRWMD	Orange County Utilities - Toilet Replacement Program	Orange County Utilities	PS and CII Conservation
52	2020_11	Orange	SJRWMD	OUC Irrigation Conservation Phase 2	OUC	PS and CII Conservation
53	2020_12	Orange	SJRWMD	OCU - Waterwise Neighbor Program (new & retrofit) Ph 2	OCU	PS and CII Conservation

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Table E-1. Potential water supply and water conservation project options within the Central Florida Water Initiative Planning Area Figure E-1 Crosswalk (continued).

Project Map ID	RWSP Project Number	County	District	Project Name	Implementing Agency or Entity	Project Type
54	2020_13	Orange	SJRWMD	Winter Garden Water Conservation Program Expansion (Ph II)	Winter Garden, City of	PS and CII Conservation
55	2020_14	Lake	SJRWMD	Cherrylake Inc. Pressure Regulation	Cherrylake Inc.	Agricultural Conservation
56	2020_15	Lake	SJRWMD	Mascotte SR50 Water Main Replacement-Ph1	Mascotte, City of	PS and CII Conservation
57	2020_16	Orange	SJRWMD	OCU Waterwise Neighbor Program Year 3	OCU	PS and CII Conservation
58	2020_17	Seminole	SJRWMD	Seminole County Conservation Tool	Seminole County	PS and CII Conservation
59	2020_18	Polk	SWFWMD	Polk County Landscape/Irrigation Evaluation Program	Polk County	PS and CII Conservation
60	2020_19	Polk	SWFWMD	Polk County Landscape & Irrigation Evaluation Program	Polk County	PS and CII Conservation
61	2020_20	Polk	SWFWMD	Polk County Landscape and Irrigation Evaluation Program	Polk County	PS and CII Conservation
62	2020_21	Polk	SWFWMD	PRWC Indoor Water Conservation Incentives	PRWC	PS and CII Conservation
63	2020_22	Polk	SWFWMD	PRWC Outdoor BMPs	PRWC	PS and CII Conservation
64	2020_23	Polk	SWFWMD	Winter Haven Consumption/Conservation Programs Data Management Software	Winter Haven, City of	PS and CII Conservation
65	2020_24	Polk	SWFWMD	Lake Hamilton Distribution System Looping	Lake Hamilton, City of	PS and CII Conservation
66	2020_25	Polk	SWFWMD	CFWI Springs Conservation PRWC Polk Outdoor BMPs	PRWC, FDEP	PS and CII Conservation
67	2020_26	Polk	SWFWMD	PRWC Polk Indoor Conservation Incentives	PRWC, FDEP	PS and CII Conservation
68	2020_27	Polk	SWFWMD	CFWI Springs Conservation PRWC Polk FL Water Star Builder Rebates	PRWC, FDEP	PS and CII Conservation
69	2020_28	Polk	SWFWMD	PRWC Water Demand Management Plan	PRWC	PS and CII Conservation
70	2020_30	Orange	SFWMD	Horizon West Water Reclamation Facility	OCU	Reclaimed Water
71	2020_31	Orange	SFWMD	South Water Reclamation Facility Ph. 5 Expansion	OCU	Reclaimed Water
72	2020_32	Osceola	SFWMD	Sawgrass/Cord Avenue Reclaimed Main	TWA	Reclaimed Water
73	2020_33	Osceola	SFWMD	Reclaimed Water Main along the St. Cloud Canal	TWA	Reclaimed Water
74	2020_34	Osceola	SFWMD	Southside Water Reclamation Facility Reservoir Expansion	TWA	Reclaimed Water
75	2020_35	Lake	SJRWMD	Mount Dora RW Interconnect with Apopka	Mount Dora, City of	Reclaimed Water
76	2020_36	Seminole	SJRWMD	Longwood Septic Tank Abatement Program Transmission Main	Longwood, City of	Reclaimed Water
77	2020_37	Seminole	SJRWMD	Sanford RW Orlando-Sanford Airport Phase 2	Sanford, City of	Reclaimed Water
78	2020_38	Seminole	SJRWMD	Chuluota RW Storage Tank	Chuluota, City of	Reclaimed Water
79	2020_39	Orange	SJRWMD	Apopka Cost Share Golden Gem Road (Rd) RW Extension	Apopka, City of	Reclaimed Water
80	2020_40	Orange	SJRWMD	Winter Garden Reuse Distribution Retrofit	Winter Garden, City of	Reclaimed Water
81	2020_41	Orange	SJRWMD	Ocoee Windermere Groves RW Retrofit	Ocoee, City of	Reclaimed Water
82	2020_42	Lake	SJRWMD	City of Minneola Septic to Sewer (Phase 1-10)	Minneola, City of	Reclaimed Water

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Table E-1. Potential water supply and water conservation project options within the Central Florida Water Initiative Planning Area Figure E-1 Crosswalk (continued).

Project Map ID	RWSP Project Number	County	District	Project Name	Implementing Agency or Entity	Project Type
83	2020_43	Orange	SJRWMD	The Hammocks - RW Retrofit Project	Ocoee, City of	Reclaimed Water
84	2020_44	Orange	SJRWMD/ SFWMD	City of Orlando Eastern Regional Reclaimed Water Distribution System Improvements	Orlando, City of	Reclaimed Water
85	2020_45	Polk	SWFWMD	Polk County NERUSA CR547 Reuse	Polk County	Reclaimed Water
86	2020_46	Polk	SWFWMD	Polk County NERUSA Ernie Caldwell Reuse	Polk County	Reclaimed Water
87	2020_47	Polk	SWFWMD	Haines City Reclaimed Water MFL Recharge and AWT Feasibility	Haines City, City of	Reclaimed Water
88	2020_48	Polk	SWFWMD	Haines City Reclaimed Water Storage and Pumping Expansion	Haines City, City of	Reclaimed Water
89	2020_49	Polk	SWFWMD	Polk County Reclaimed Recharge Study in Polk NW Areas	Polk County	Reclaimed Water
90	2020_50	Polk	SWFWMD	Polk County NERUSA FDC Grove Reuse	Polk County	Reclaimed Water
91	2020_51	Polk	SWFWMD	Polk County NERUSA Loughman and Ridgewood Reclaimed Water Transmission	Polk County	Reclaimed Water
92	2020_52	Seminole	SJRWMD	Regional Water Reclamation Facility Improvement for AWT - Phase II	Altamonte Springs, City of	Reclaimed Water
93	2020_54	Polk	SWFWMD	Peace River Land Use Transition Treatment Facility and Reservoir Project	PRWC	Surface Water
94	2020_55	Polk	SWFWMD	Peace Creek Water Supply Project / Winter Haven Peace Creek Surface Water Storage	PRWC	Surface Water
95	2020_56	Orange	SJRWMD	Golden Gem Road RW Pond	Apopka, City of	Management Strategy
96	2020_57	Orange	SJRWMD	Lake Apopka North Shore Recharge Well	SJRWMD	Management Strategy
97	2020_58	Lake	SJRWMD	Wekiva Falls RV Resort	Wekiva Falls RV Resort, LLC	Management Strategy
98	2020_59	Seminole	SJRWMD	pureALTA	Altamonte Springs, City of	Reclaimed Water
99	2020_60	Osceola	SJRWMD	Pennywash/Wolf Creek Reservoir	East Central Florida Services, Inc.	Surface Water
100	2020_61	Osceola	SFWMD	Central Reclaimed Water Storage and Pumping Facility	TWA	Reclaimed Water
101	2020_62	Lake	SJRWMD	Minneola SMART - Pipeline Interconnection of WRF to Reuse Distribution System	Minneola, City of	Reclaimed Water
102	2025_1	Seminole	SJRWMD	City of Oviedo LFA Brackish Wellfield and RO WTP	Oviedo, City of	Brackish groundwater
103	2025_2	Polk	SWFWMD	Polk County CRUSA AWS Receiving Station	Polk County	Brackish groundwater
104	2025_3	Polk	SWFWMD	Polk County ERUSA AWS Receiving Station	Polk County	Brackish groundwater
105	2025_4	Polk	SWFWMD	Polk County NERUSA AWS Receiving Station	Polk County	Brackish groundwater
106	2025_5	Orange	SJRWMD/ SFWMD	OCU Waterwise Neighbor Program	OCU	PS and CII Conservation

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Table E-1. Potential water supply and water conservation project options within the Central Florida Water Initiative Planning Area Figure E-1 Crosswalk (continued).

Project Map ID	RWSP Project Number	County	District	Project Name	Implementing Agency or Entity	Project Type
107	2025_6	Orange	SJRWMD	Water Wise Neighbor Program with Advanced Targeting	OCU	PS and CII Conservation
108	2025_7	Orange	SJRWMD/ SFWMD	OCU Toilet Replacement Program	OCU	PS and CII Conservation
109	2025_8	Orange	SJRWMD/ SFWMD	Top Dressing/Soil Amendment Rebate Program	OCU	PS and CII Conservation
110	2025_9	Polk	SWFWMD	Polk County Irrigation System Evaluation Program, Phase 8	Polk County	PS and CII Conservation
111	2025_10	Osceola	SFWMD	Enhanced Conservation Program Initiatives	TWA	PS and CII Conservation
112	2025_11	Osceola	SFWMD	Soil Amendment Program w/ Construction/Development Community	TWA	PS and CII Conservation
113	2025_12	Orange	SJRWMD	Eastern Water Resource Development - IPR	OCU	Reclaimed Water
114	2025_13	Orange	SFWMD	Orlo Vista (stormwater used to augment reclaimed)	OCU	Reclaimed Water
115	2025_14	Orange	SJRWMD	EWRF 6A	OCU	Reclaimed Water
116	2025_15	Orange	SJRWMD	SWRF AWT	OCU	Reclaimed Water
117	2025_16	Orange	SFWMD	Hamlin Phase II Expansion	OCU	Reclaimed Water
118	2025_17	Orange	SJRWMD	EWRF 6B	OCU	Reclaimed Water
119	2025_18	Orange	SFWMD	Big Sand Lake (surface water used to augment reclaimed water)	OCU	Reclaimed Water
120	2025_19	Polk	SWFWMD	Polk County NERUSA Lake Wilson Reuse	Polk County	Reclaimed Water
121	2025_20	Polk	SWFWMD	Polk County NERUSA Southeast Reuse Loop	Polk County	Reclaimed Water
122	2025_21	Osceola	SFWMD	Edgewater Reclaimed Water Storage and Repump Facility	TWA	Reclaimed Water
123	2025_22	Osceola	SFWMD	Toho Reservoir AWS Stormwater Reuse Distribution Main (fka Judge Farms Reservoir)	TWA	Reclaimed Water
124	2025_23	Osceola	SFWMD	Cross-Prairie Parkway Reuse Main Extension from St. Cloud Canal to Kissimmee Park Area	TWA	Reclaimed Water
125	2025_24	Osceola	SFWMD	Jack Brack Road Reuse Main Extension	TWA	Reclaimed Water
126	2025_25	Osceola	SFWMD	Cyrils Drive Reuse Main Extension	TWA	Reclaimed Water
127	2025_26	Osceola	SFWMD	Harmony West Reclaimed Water Storage and Repump Facility	TWA	Reclaimed Water
128	2025_27	Osceola	SFWMD	Harmony East Reclaimed Water Storage and Repump Facility and Reuse Main Extension	TWA	Reclaimed Water
129	2025_28	Osceola	SFWMD	Old Hickory Tree/10th Street Reuse Main Extension	TWA	Reclaimed Water
130	2025_29	Osceola	SFWMD	Narcoossee Road Reuse Main Extension	TWA	Reclaimed Water
131	2025_30	Osceola	SFWMD	Irlo Bronson Hwy Reuse Main Extension from Pine Grove Rd. to Harmony West	TWA	Reclaimed Water
132	2025_31	Osceola	SFWMD	Hickory Tree Road Reuse Main Extension from Chaplan Road to Harmony West	TWA	Reclaimed Water
133	2025_32	Osceola	SFWMD	Harmony WRF Expansion Phase 1	TWA	Reclaimed Water

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Table E-1. Potential water supply and water conservation project options within the Central Florida Water Initiative Planning Area Figure E-1 Crosswalk (continued).

Project Map ID	RWSP Project Number	County	District	Project Name	Implementing Agency or Entity	Project Type
134	2025_33	Osceola	SFWMD	Harmony WRF Expansion Phase 2	TWA	Reclaimed Water
135	2025_34	Osceola	SFWMD	Parkway WRF Expansion Phase 1	TWA	Reclaimed Water
136	2025_35	Osceola	SFWMD	Parkway WRF Expansion Phase 2	TWA	Reclaimed Water
137	2025_36	Osceola	SFWMD	Southside WRF Expansion	TWA	Reclaimed Water
138	2025_37	Osceola	SFWMD	South Lake Toho WRF	TWA	Reclaimed Water
139	2025_38	Polk	SFWMD	Lake Marion WRF Expansion	TWA	Reclaimed Water
140	2025_39	Osceola	SFWMD	Sandhill WRF Expansion	TWA	Reclaimed Water
141	2025_40	Osceola	SFWMD	South Bermuda WRF Expansion	TWA	Reclaimed Water
142	2025_41	Osceola	SFWMD	Sunbridge WRF Expansion	TWA	Reclaimed Water
143	2025_42	Orange	SJRWMD	Admiral Pointe Neighborhood Retrofit	Ocoee, City of	Reclaimed Water
144	2025_43	Orange	SJRWMD	Richfield Neighborhood Retrofit	Ocoee, City of	Reclaimed Water
145	2025_44	Orange	SJRWMD	Wellington Place Reclaimed Connection Project	Ocoee, City of	Reclaimed Water
146	2025_45	Orange	SJRWMD	A.D. Mims Road/North Johio Shores Road Transmission Extension (Design)	Ocoee, City of	Reclaimed Water
147	2025_46	Orange	SJRWMD	Silver Bend Neighborhood Retrofit	Ocoee, City of	Reclaimed Water
148	2025_47	Orange	SJRWMD	South Johio Shores Interconnect	Ocoee, City of	Reclaimed Water
149	2025_48	Orange	SJRWMD	North Service Area Reclaim Interconnect	Ocoee, City of	Reclaimed Water
150	2025_49	Polk	SWFWMD	Reclaim Transmission Main Extension/Connections	Winter Haven, City of	Reclaimed Water
151	2025_50	Polk	SWFWMD	One Water Demonstration Project - Reuse Water Recharge	Winter Haven, City of	Reclaimed Water
152	2025_51	Polk	SWFWMD	RIB Construction	Winter Haven, City of	Reclaimed Water
153	2025_52	Osceola	SFWMD	Shingle Creek Potable Water Supply Project	TWA	Surface Water
154	2025_53	Osceola	SFWMD	Toho Reservoir 6.0 mgd Reclaimed Water Augmentation Project - Surface/stormwater Treatment Facility and Pump Stations	TWA	Stormwater
155	2025_54	Polk	SWFWMD	Logistics Parkway Stormwater Reclamation	Winter Haven, City of	Stormwater
156	2025_55	Orange	SJRWMD	Stormwater Harvesting - Alternative Water Project	Oakland, Town of	Stormwater
157	2025_56	Polk	SWFWMD	ASR Wellfield - CEI Services/Construction	Winter Haven, City of	Management Strategy
158	2025_57	Polk	SWFWMD	City of Davenport Lower Floridan Aquifer Well	Davenport, City of	Brackish Groundwater
159	2025_58	Lake	SJRWMD	Minneola Implementation of Reclaimed Water for Reuse Irrigation Project	Minneola, City of	Reclaimed Water
160	2025_59	Orange	SJRWMD	Cross Creek Neighborhood Retrofit	Ocoee, City of	Reclaimed Water
161	2025_60	Orange	SJRWMD	E & W Harbour Ct Neighborhood Retrofit	Ocoee, City of	Reclaimed Water
162	2025_61	Orange	SJRWMD	Shoal Creek I Neighborhood Retrofit	Ocoee, City of	Reclaimed Water
163	2025_62	Orange	SJRWMD	Shoal Creek II Neighborhood Retrofit	Ocoee, City of	Reclaimed Water
164	2025_63	Polk	SWFWMD	Polk County Direct Potable Reuse Feasibility and Pilot Demo	Polk County	Reclaimed Water
165	2025_64	Polk	SWFWMD	Winter Haven Direct Potable Reuse Feasibility Study	Winter Haven, City of	Reclaimed Water

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Table E-1. Potential water supply and water conservation project options within the Central Florida Water Initiative Planning Area Figure E-1 Crosswalk (continued).

Project Map ID	RWSP Project Number	County	District	Project Name	Implementing Agency or Entity	Project Type
166	2025_65	Lake	SJRWMD	SLRTAC Reclaimed Water Augmentation Project	SLRTAC Members (Groveland, Minneola, Clermont, Mascotte, Sunshine Water, and Howey-in-the-Hills)	Surface Water
167	2025_66	Lake	SJRWMD	Upper Ocklawaha River Basin Surface water Supply Alternatives Evaluation and Implementation	SLRTAC Members (Groveland, Minneola, Clermont, Mascotte, Sunshine Water, and Howey-in-the-Hills)	Management Strategy

Notes for **Table E-1**.

ASR=aquifer storage and recovery; AWS==alternative water supply; AWT==advanced wastewater treatment; BMP==best management practice; CEI==Construction, Engineering and Inspection; CFWI==Central Florida Water Initiative; CII==commercial/industrial/institutional; CR==County Road; CRUSA==Central Regional Utility Service Area; ERUSA==East Regional Utility Service Area; EWRF==East Water Reclamation Facility; FDEP==Florida Department of Environmental Protection; FDOT==Florida Department of Transportation; IPR==indirect potable reuse; LFA==Lower Floridan aquifer; MFL==minimum flows and minimum water level; MGD==million gallons per day; NERUSA==Northeast Regional Utility Service Area; OCU==Orange County Utilities; OUC==Orange Utilities Commission; PRMRWSA==Peace River Manasota Regional Water Supply Authority; PRWC==Polk Regional Water Cooperative; PS==Public Supply; RO==reverse osmosis; RW==reclaimed water; RWSA==Regional Water Supply Authority; RWSP==Regional Water Supply Plan; SFWMD==South Florida Water Management District; SJRWMD==St. Johns River Water Management District; SLRTAC==South Lake County Technical Advisory Committee; SMART==Securing Minneola's Alternative Resources for Tomorrow; SR==state road; STA==Stormwater Treatment Area; SWFWMD==Southwest Florida Water Management District; SWRF==South Water Reclamation Facility; TBW==Tampa Bay Water; TWA==Tohopekaliga Water Authority; WRF==wastewater reclamation facility; WTP==water treatment plant

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Table E-2. Updated summary of CFWI RWSP water supply and water resource development project options: Brackish/Nontraditional Groundwater Projects.

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Production Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource
2015_1	SJ00218A	Lake	SJRWMD	South Lake County Wellfield - Distributed	Minneola, Groveland, Clermont, Utilities, Inc of Florida	LFA wellfield (fresh) co-located at existing UFA wellfield sites. Participants include Groveland (3 sites), Minneola (3 sites), Clermont (2 sites) (SJ00166A), and Utilities Inc. of Florida (3 sites).	12.70	12.70	$29.12	$0.36	TBD	Construction/ Underway	WSDP
2015_3,4,5	SF00288A	Osceola	SFWMD	Cypress Lake Wellfield, Treatment, and Booster Pump (Sum of CFWI 2015 RWSP Project Nos. 3, 4, and 5)	Water Cooperative of Central Florida	LFA wellfield, RO treatment facility, and raw and treated water mains. Facility will treat brackish water and deliver to customers.	37.50	30.00	$644.74	$3.88	Substantial Completion: FY2029 for Phase 1 (15 mgd)	Design	WSDP
2015_28	SWWS00136K	Polk	SWFWMD	Polk Southeast Wellfield	PRWC	Final design, permitting, and construction of the SE Wellfield including a RO facility, brackish LFA wellfield, and UIC disposal wells located east of Lake Wales to provide water supply to PRWC members.	37.50	12.50	$247.50	TBD	Phase I: 12/31/2027, Buildout: 12/31/2040	Construction/ Underway	WSDP
2015_141	SWWS00136L	Polk	SWFWMD	PRWC Regional Transmission Southeast	PRWC	Final design, permitting, and construction of a pipeline system extending from the SE Wellfield WTF located east of Lake Wales to deliver water supply to PRWC members along the US-27 and Hwy-60 corridors.	N/A	N/A	$174.10	N/A	12/31/2027	Design	WSDP
2020_1	--	Orange	SFWMD/	OUC Southeast Brackish WTF and Wellfield	OUC	Brackish wellfield, membrane treatment, and concentrate disposal via Class I injection wells at OUC's SE WTF.	10.00	10.00	$141.16	$4.47	12/31/2030	Design	WSDP

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Table E-2. Updated summary of CFWI RWSP water supply and water resource development project options: Brackish/Nontraditional Groundwater Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Production Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or (WSDP) WRDP
2020_2	--	Seminole	SJRWMD	City of Sanford Brackish RO WTP	Sanford, City of	LFA wellfield and RO treatment.	1.00	1.00	$11.33	$3.95	TBD	Planning	WSDP
2020_3	--	Lake	SJRWMD	City of Mascotte Lower Floridan Aquifer Wellfield	Mascotte, City of	LFA wellfield (fresh) co-located at existing UFA wellfield sites.	1.00	1.00	$4.50	$0.65	3/29/2024	Complete	WSDP
2020_4	SJWS00123A	Orange	SJRWMD	Orange County Utilities Malcom Rd Minimized Impact Project LFW	Orange County Utilities	LFA well at the planned Malcolm Road Water Supply Facility.	4.00	4.00	$1.50	N/A	7/01/2018	Complete	WSDP
2020_5	SWWS00136I	Polk	SWFWMD	PRWC West Polk Wellfield	PRWC	LFA wellfield, RO treatment, deep well concentrate disposal, and transmission and distribution pipelines.	13.30	10.00	$214.00	TBD	Initial Phase 12/31/2028	Design	WSDP
2020_6	SW00136F	Polk	SWFWMD	Hydrogeologic Investigation of the LFA in Polk County	SWFWMD	Exploration and testing of LFA at 3 sites to determine potential for regional supply.	N/A	N/A	$8.50	N/A	12/31/2023	Complete	WRDP
2020_7	SWWS00136C	Polk	SWFWMD	Sources/Ages of Groundwater in the LFA in Polk County	SWFWMD	Exploration and testing of LFA in support of project 2020_6.	N/A	N/A	$0.37	N/A	9/30/2025	Construction/ Underway	WRDP

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Table E-2. Updated summary of CFWI RWSP water supply and water resource development project options: Brackish/Nontraditional Groundwater Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Production Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or (WSDP) WRDP
2020_8	SWWS00136B	Polk	SWFWMD	Lower Floridan Exploration Optical Borehole Imaging in Polk County	SWFWMD	Optical borehole study of LFA in support of project 2020_6.	N/A	N/A	$0.06	N/A	9/30/2023	Complete	WRDP
2025_1	--	Seminole	SJRWMD	City of Oviedo LFA Brackish Wellfield and RO WTP	Oviedo, City of	LFA wellfield and RO membrane treatment at the West Mitchell Hammock WTP.	2.50	2.00	$34.00	$4.87	12/31/2030	Planning	WSDP
2025_2	--	Polk	SWFWMD	Polk County CRUSA AWS Receiving Station	Polk County	Construct receiving station to accept AWS from PRWC's Southeast Wellfield Project for delivery to Polk's CRUSA.	1.00	N/A	$3.39	$0.00	12/31/2027	Design	WSDP
2025_3	--	Polk	SWFWMD	Polk County ERUSA AWS Receiving Station	Polk County	Construct receiving station to accept AWS from PRWC's Southeast Wellfield Project for delivery to Polk's ERUSA.	1.00	N/A	$4.50	$0.00	12/31/2027	Design	WSDP
2025_4	--	Polk	SWFWMD	Polk County NERUSA AWS Receiving Station	Polk County	Construct receiving station to accept AWS from PRWC's Southeast Wellfield Project for delivery to Polk's NERUSA.	1.00	N/A	$5.40	$0.01	12/31/2027	Design	WSDP

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Table E-2. Updated summary of CFWI RWSP water supply and water resource development project options: Brackish/Nontraditional Groundwater Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Production Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or (WSDP) WRDP
2025_57	--	Polk	SWFWMD	City of Davenport Lower Floridan Aquifer Well	Davenport, City of	Project consists of a previously constructed LFA well and plans for the treatment process that are currently in design. The amount of alternative water available from this supply is still to be determined.	TBD	TBD	TBD	TBD	TBD	Design	WSDP
				TOTAL			**122.50**	**83.20**	**$1,524.17**				

Notes for **Table E-2**.

AWS==alternative water supply; CFWI==Central Florida Water Initiative; CRUSA==Central Regional Utility Service Area; ERUSA==East Regional Utility Service Area; FY==fiscal year; LFA==Lower Floridan aquifer; MGD==million gallons per day; NERUSA==Northeast Regional Utility Service Area's Alternative Resources for Tomorrow; OUC==Orlando Utilities Commission; PRWC==Polk Regional Water Cooperative; RO==reverse osmosis; RWSP==Regional Water Supply Plan; SE==southeast; SFWMD==South Florida Water Management District; SJRWMD==St. Johns River Water Management District; SWFWMD==Southwest Florida Water Management District; UFA==Upper Floridan aquifer; UIC==underground injection control; WRDP==Water Resource Development Project; WSDP==Water Supply Development Project; WTF==water treatment facility; WTP==water treatment plant

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Table E-3. Updated summary of CFWI RWSP water supply and water resource development project options: Water Conservation Projects.

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/ 1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2020_9	SJWS00183A	Orange	SJRWMD	Orange County Utilities - Waterwise Neighbor Program	OCU	Year 1, Rebate program for indoor high efficiency plumbing fixtures and advanced irrigation equipment in new construction (300) and existing homes (300).	N/A	0.00	$0.41	N/A	9/1/2018	Complete	WSDP
2020_10	SJWS00184A	Orange	SJRWMD	Orange County Utilities - Toilet Replacement Program	OCU	High efficiency toilet rebate retrofit program (200).	N/A	0.00	$1.18	N/A	9/1/2018	Complete	WSDP
2020_11	SJ00189A	Orange	SJRWMD	OUC Irrigation Conservation Phase 2	OUC	Phase 2 of OUC's water conservation program targeting high use residential and commercial customers. Toilet rebates and the purchase of an online water survey tool is also included in Phase 2.	N/A	0.06	$0.62	TBD	3/30/2020	Complete	WSDP
2020_12	SJ00194A	Orange	SJRWMD	OCU - Waterwise Neighbor Program (new & retrofit) Ph 2	OCU	Year 2, rebate program for indoor high efficiency plumbing fixtures and advanced irrigation equipment in new construction (300) and existing homes (300).	N/A	0.15	$1.25	TBD	9/1/2019	Complete	WSDP

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Table E-3. Updated summary of CFWI RWSP water supply and water resource development project options: Water Conservation Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2020_13	SJ00204A	Orange	SJRWMD	Winter Garden Water Conservation Program Expansion (Ph II)	Winter Garden, City of	Phase 2 expands the City's water conservation software system which allows customers to securely access hourly, daily, and monthly usage, as well as be alerted to water leaks via portal or in receipt of email or text alerts.	N/A	0.06	$2.36	TBD	9/1/2018	Complete	WSDP
2020_14	SJ00258A	Lake	SJRWMD	Cherrylake Inc. Pressure Regulation	Cherrylake Inc.	Pressure regulation for agricultural irrigation system.	N/A	0.28	$0.41	TBD	9/30/2019	Complete	WSDP
2020_15	SJ00276A	Lake	SJRWMD	Mascotte SR 50 Water Main Replacement-Ph1	Mascotte, City of	The project replaces 7,800 LF of water mains that have been identified as leaking.	N/A	0.05	$1.00	TBD	3/29/2019	Complete	WSDP
2020_16	SJ00280A	Orange	SJRWMD	OCU Waterwise Neighbor Program Year 3	OCU	Year 3, Rebate program for indoor high efficiency plumbing fixtures and advanced irrigation equipment in new construction (300) and existing homes (300).	N/A	0.11	$0.30	TBD	3/31/2020	Complete	WSDP

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Table E-3. Updated summary of CFWI RWSP water supply and water resource development project options: Water Conservation Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2020_17	SJ00283A	Seminole	SJRWMD	Seminole County Conservation Tool	Seminole County	Purchase of the UF water conservation software that allows the county to inform high-water use customers of their conservation potential and conservation programs or educational sessions.	N/A	0.30	$0.41	TBD	9/30/2020	Complete	WSDP
2020_18	SWWS00370A	Polk	SWFWMD	Polk County Landscape/ Irrigation Evaluation Program	Polk County	Irrigation system evaluations to single family, multi-family, and commercial customers (200), 100 rain sensor replacements, and distribute 200 conservation kits, and educational materials, program promotion, and surveys.	N/A	0.03	$0.06	$1.31	5/31/2019	Complete	WSDP
2020_19	SWWS00375A	Polk	SWFWMD	Polk County Landscape and Irrigation Evaluation Program	Polk County	Irrigation system evaluations to single family, multi-family, and commercial customers (300), 150 rain sensor replacements, and distribution of conservation kits (300), educational materials, program promotion, and surveys.	N/A	0.04	$0.08	$1.31	7/31/2019	Complete	WSDP
2020_20	SWWS00378A	Polk	SWFWMD	Polk County Landscape and Irrigation Evaluation Program	Polk County	Irrigation system evaluations to single family, multi-family, and commercial customers (300), 150 rain sensor replacements, and distribution of conservation kits (300), educational materials, program promotion, and surveys.	N/A	0.04	$0.09	$1.39	7/28/2020	Complete	WSDP

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Table E-3. Updated summary of CFWI RWSP water supply and water resource development project options: Water Conservation Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2020_21	SWWS00388A	Polk	SWFWMD	PRWC Indoor Water Conservation Incentives	PRWC	Residential high efficiency toilet rebates (1,120). 2,400 conservation kits and enhanced educational kits will also be distributed.	N/A	0.09	$0.16	$1.87	11/30/2022	Complete	WSDP
2020_22	SWWS00392A	Polk	SWFWMD	PRWC Outdoor BMPs	PRWC	Outdoor irrigation and landscape rebate program. Includes 7 FFL rebates of up to $2,000 (based on landscaped area), 200 smart irrigation ET controllers (homeowner education), 400 wireless rain sensors, 300 irrigation evaluations with education, and rain sensor installation as needed.	N/A	0.11	$0.19	$2.18	5/31/2023	Complete	WSDP
2020_23	SWWS00394A	Polk	SWFWMD	Winter Haven Consumption/ Conservation Programs Data Management Software	Winter Haven, City of	Implement a water conservation software system which allows customers to securely access usage data including potential water leaks, compare water use with neighbors, water restrictions, and promote utility conservation incentives, etc. via a portal (19,000).	N/A	0.02	$0.12	$5.00	3/1/2021	Complete	WSDP
2020_24	SWWS00399A	Polk	SWFWMD	Lake Hamilton Distribution System Looping	Lake Hamilton, City of	Design, permitting, and construction of 5,200 LF of new potable water lines and associated components to eliminate dead ends which will reduce line flushing in 5 areas.	N/A	0.02	$0.52	$6.43	12/31/2022	Complete	WSDP

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Table E-3. Updated summary of CFWI RWSP water supply and water resource development project options: Water Conservation Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2020_25	SWWS00401A	Polk	SWFWMD	CFWI Springs Conservation PRWC Polk Outdoor BMPs	PRWC, Department Environmental Protection	Outdoor irrigation and landscape rebate program. Includes 50 FFL rebates of up to $2,000 (based on landscaped area), 220 smart irrigation ET controllers (homeowner education), and 590 wireless rain sensors including education during installation.	N/A	0.05	$0.33	$1.80	5/31/2023	Complete	WSDP
2020_26	SWWS00402A	Polk	SWFWMD	PRWC Polk Indoor Conservation Incentives	PRWC, Department Environmental Protection	Residential high efficiency toilet rebates (1,500 total or 300 units) and distribution of 1,300 conservation kits and educational materials.	N/A	0.09	$0.24	$0.46	11/30/2022	Complete	WSDP
2020_27	SWWS00403A	Polk	SWFWMD	CFWI Springs Conservation PRWC Polk FL Water Star Builder Rebates	PRWC, Department Environmental Protection	Provide 500 rebates (up to $700) to home builders who build homes to Florida Water Star^{SM} standards and submit proof of Florida Water Star^{SM} certification. DEP funded with District/County providing program administration.	N/A	0.07	$0.70	$2.02	11/30/2022	Complete	WSDP
2020_28	SWWS00354A	Polk	SWFWMD	PRWC Water Demand Management Plan	PRWC	Demand Management Plan to assess available water conservation potential and provide a long-term demand management implementation strategy, including an economic analysis between AWS and water conservation projects.	N/A	TBD	$0.34	N/A	9/30/2020	Complete	WSDP

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Table E-3. Updated summary of CFWI RWSP water supply and water resource development project options: Water Conservation Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_5	--	Orange	SJRWMD/ SFWMD	OCU Waterwise Neighbor Program	OCU	Per Annum Rebate Program for Indoor High Efficiency plumbing fixtures and advanced irrigation equipment in new and existing homes (300).	N/A	0.00	$0.36	TBD	1 per Fiscal Year	Ongoing	WSDP
2025_6	--	Orange	SJRWMD	Water Wise Neighbor Program with Advanced Targeting	OCU	Per Annum Rebate Program for Indoor High Efficiency plumbing fixtures and advanced irrigation equipment in 200 homes.	N/A	0.01	$0.06	TBD	1 per Fiscal Year	Ongoing	WSDP
2025_7	--	Orange	SJRWMD/ SFWMD	OCU Toilet Replacement Program	OCU	Per Annum High efficiency toilet rebate retrofit program (200 homes).	N/A	0.00	$0.02	TBD	1 per Fiscal Year	Ongoing	WSDP
2025_8	--	Orange	SJRWMD/ SFWMD	Top Dressing/Soil Amendment Rebate Program	OCU	Per Annum Rebate program for top dressing and/or soil amendments on existing lawns in the county (100 top dressed homes and 50 amended homes).	N/A	0.02	$0.11	TBD	1 per Fiscal Year	Concept	WSDP
2025_9	SWWS00594A	Polk	SWFWMD	Polk County Irrigation System Evaluation Program, Phase 8	Polk County	Make services available to customers for up to three conservation activities, including: irrigation evaluations, installation of rain sensors, and installation of WaterSense-labeled irrigation controllers and necessary components. Also included are educational materials, program promotion/administration, and follow-up irrigation evaluations to ensure success of the program.	N/A	0.05	$0.15	TBD	6/30/2027	Construction /Underway	WSDP

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Table E-3. Updated summary of CFWI RWSP water supply and water resource development project options: Water Conservation Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_10	--	Osceola	SFWMD	Enhanced Conservation Program Initiatives	TWA	1) Model Home Efficiency Retrofit & Education Program: Program to promote retrofitting existing residential homes with low water use fixtures, irrigation control devices, and education material distribution; 2) Water Audit Incentive Program: Incentive program for customers to have water audits performed; 3) Smart Irrigation Retrofit Program: Program to retrofit existing irrigation controllers with Smart irrigation controllers; and 4) Upgrade Conservation Customer Portal: Upgrade portal to include high water use and leak detection for customer education and to identify water saving opportunities.	N/A	TBD	TBD	TBD	12/31/2027	Concept	WSDP
2025_11	--	Osceola	SFWMD	Soil Amendment Program w/ Construction/ Development Community	TWA	Program to work with the development community to include soil amendments in new construction to reduce irrigation demands.	N/A	TBD	TBD	TBD	12/31/2027	Concept	WSDP
				TOTALS			**0.00**	**1.64**	**$11.46**				

Notes for **Table E-3**.

AWS==alternative water supply; BMP==best management practices; CFWI==Central Florida Water Initiative; DEP==Department of Environmental Protection; ET==evapotranspiration; FFL==Florida-Friendly Landscape™; Florida Water Star℠; LF==linear feet; mgd==million gallons per day; N/A==not applicable; OCU==Orange County Utilities; OUC==Orlando Utilities Commission; PRWC==Polk Regional Water Cooperative; SR==State Road; TBD==to be determined; TWA==Tohopekaliga Water Authority; UF==University of Florida; WSDP==Water Supply Development Project

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects.

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2015_42	SJ00219A	Orange	SJRWMD	City of Ocoee Northwest Reuse Re-Pump Station and Interconnection Mains	Ocoee, City of	Phase1A: Includes construction of RW transmission pipelines and pump stations. This project will pump up to 1 mgd of RW from Orange County NWRF. Phase 1B: 1.4 mg storage tank and pump station at the Ocoee WWTP and reclaimed water transmission main from the OCU connection point to the new tank. Phase 2: Includes construction of reclaimed water transmission loop across Forest Lake Golf Course, 2 mg storage tank, and pump station.	4.20	1.60	$19.87	$1.42	Phase 1A: 2026 Phase 1B: 2026 Phase 2: 2030	Design	WSDP
2015_44	SJ00220A	Orange	SJRWMD	Project RENEW	OUC	Regional reclaimed water project originally planned to provide pumping mitigation. The project may be re-evaluated to determine if there is excess reclaimed water available and the best location(s) for the reuse.	TBD	TBD	TBD	TBD	TBD	Concept	WSDP
2015_54	--	Osceola	SFWMD	Goodman Road Reuse Main Extension	TWA	Extend a 24-inch reclaimed water main 7,000 LF from Tri-CR to Happy Trails. This project, in conjunction with the Western Reclaimed Water Pump Station project, will enable reuse from the South Bermuda WRF to be used in the Sandhill service area. The project may eliminate the need for the Indian Ridge Reuse Augmentation Facility.	4.00	0.00	$3.69	NA	12/31/2022	Complete	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2015_55	--	Osceola	SFWMD	Sinclair Road Reuse Main Extension	TWA	Construct 9,500 LF of 16-inch reclaimed main from Tri-CR to interconnect South Bermuda WRF service area to Sandhill WRF service area. The project may eliminate the need for the Indian Ridge Reuse Augmentation Facility.	0.40	0.00	$5.39	NA	12/31/2022	Complete	WSDP
2015_56	--	Osceola	SFWMD	Sandhill Road WRF Expansion	TWA	Construct a 4.5 mgd reclaimed water storage tank and required appurtenances at the Sandhill Road WRF; for treatment capacity expansion.	4.50	0.00	$1.50	NA	12/31/2023	Complete	WSDP
2015_57	--	Osceola	SFWMD	Western Reuse Pumping Facility and Reuse Mains	TWA	Construct a 4 mgd reclaimed water storage tank, pumps, a pump building, and components. Construct 3,800 LF of 36-inch and 24-inch low pressure reclaimed water main to be routed from the existing Imperial Pump Station to the proposed Western Reuse Pumping Facility.	4.00	0.00	$10.98	NA	12/31/2022	Complete	WSDP
2015_60	--	Osceola	SFWMD	160-Acre Site AWS	TWA	Construction of five 1 mgd wells, treatment, piping, and appurtenances along the 160-acre site (RIBs) to withdraw groundwater as an impact offset project for PS.	5.00	3.20	$16.19	$3.52	12/31/2027	Design	WSDP
2015_61	--	Osceola	SFWMD	Lake Marion WRF Expansion Phase 1	TWA	Construct a 2.5 mg reclaimed water storage tank and reclaimed water pumping system at the Lake Marion WRF.	2.50	0.00	$4.68	NA	12/31/2020	Complete	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2015_62	--	Osceola	SFWMD	Cypress West WRF Phase 1B	TWA	Construct two 7.5 mg reclaimed water storage tanks and associated pumping system at the Cypress West WRF and the plant expansion.	6.00	0.00	$3.75	N/A	12/31/2019	Complete	WSDP
2015_64	SWWS00126A	Polk	SWFWMD	Auburndale Polytechnic Reclaimed Water Storage and Transmission Project	Auburndale, City of	Project provides 1.5 mgd of reclaimed water for irrigation uses at Florida Polytechnic University and Lake Myrtle Park.	1.50	1.13	$3.26	$0.72	1/31/2022	Complete	WSDP
2015_99	SWWS00048A	Polk	SWFWMD	Lakeland WWTP (Northside & Glendale) Reuse Expan. to TECO 2020 - 2030, City of Lakeland	TECO, Lakeland	Expansion of RO treatment facility for future flow increases from existing transmission lines.	7.00	7.00	$53.00	TBD	12/31/2017	Complete	WSDP
2015_101	SWWS00133A	Polk	SWFWMD	Winter Haven Reuse Interconnect & Aquifer Recharge	Winter Haven/Polk Regional Water Cooperative	Site feasibility investigation (N796) of an aquifer recharge project using reclaimed water provided by the City's Wastewater Treatment Plant No. 3.	0.50[b]	0.50[b]	$0.30[b]	$1.25	12/31/2020	Cancelled	WSDP
2015_103	SWWS00097A	Polk	SWFWMD	Winter Haven Plant #3 Reclaimed Water Interconnect, Storage and Pumping	Winter Haven, City of	Construction of an interconnect between the City's two reclaimed water systems, including transmission mains, pump station, and a 5 mg storage tank.	0.30	0.15	$10.29	$16.69	12/1/2023	Complete	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2015_110	--	Seminole	SJRWMD	Site 10 Pond Expansion	Sanford, City of	Expansion of reclaimed water storage at Site 10 to address TMDLs within Lake Jesup basin. This project will facilitate the Sanford/Volusia County reclaimed water interconnect and may provide reclaimed water to Oviedo, Winter Springs, and Casselberry.	N/A	Storage	$9.60	$1.11	TBD	Concept	WSDP
2015_111	--	Seminole	SJRWMD	Reclaimed Water Orlando-Sanford International Airport Interconnection	Sanford, City of	Extension of the existing SSWRC reclaimed water line to connect to the existing 16-inch reclaimed water line on Victoria Street; irrigation pipeline installation within and around the airport.	1.50	1.12	$8.47	$1.11	TBD	Concept	WSDP
2015_112	SJ0223A	Seminole	SJRWMD	Lake Mary Reclaimed Water System Retrofit	Sanford and Lake Mary, Cities of	Retrofit the existing reclaimed water system in the subdivisions of Hills of Lake Mary, Tuscany, Manderley, Reserve, Timacuan, and Woodbridge; expanding the reclaimed water distribution system of Lake Mary.	0.60	0.36	$5.53	$1.11	TBD	Concept	WSDP
2015_115	--	Seminole	SJRWMD	Mill Creek Pond Expansion	Sanford, City of	Increase the Mill Creek pond storage volume by building up the berm.	N/A	Storage	$0.39	$1.11	TBD	Concept	WSDP
2015_120	SJ0025A	Seminole	SJRWMD	Seminole County Residential Reclaimed Water Retrofit Project - Phase IV	Seminole County	Construct reclaimed water distribution lines for landscape irrigation in several Heathrow communities.	0.30	0.18	$2.17	$0.83	TBD	Concept	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2015_121	--	Seminole	SJRWMD	Seminole County Residential Reclaimed Water Retrofit Project - Phase V	Seminole County	Construct reclaimed water distribution lines for landscape irrigation in several Heathrow communities.	0.70	0.42	$4.56	$0.83	TBD	Concept	WSDP
2020_30	--	Orange	SFWMD	Horizon West Water Reclamation Facility	OCU	Construct a new WRF in the Horizon West area.	5.00	N/A	$74.00	NA	8/1/2023	Complete	WSDP
2020_31	--	Orange	SFWMD	South Water Reclamation Facility Ph. 5 Expansion	OCU	Expansion of the South Water Reclamation Facility from 43 mgd to 56 mgd.	13.00	N/A	$84.70	NA	10/1/2019	Complete	WSDP
2020_32	--	Osceola	SFWMD	Sawgrass/Cord Avenue Reclaimed Main	TWA	Install reclaimed water distribution lines along Sawgrass/Cord Avenue.	3.00	N/A	$5.00	NA	12/31/2025	Design	WSDP
2020_33	--	Osceola	SFWMD	Reclaimed Water Main along the St. Cloud Canal	TWA	Install reclaimed water distribution lines along the St. Cloud Canal/C 31 Canal Extension	5.00	N/A	$5.00	NA	12/31/2035	Planning	WSDP
2020_34	--	Osceola	SFWMD	Southside Water Reclamation Facility Reservoir Expansion	TWA	Expand the reuse storage pond at the Southside WRF by 36 mg from 89 mg to 125 mg.	36.00	0.00	$7.10	N/A	12/31/2026	Design	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2020_35	SJ00188A	Lake	SJRWMD	Mount Dora RW Interconnect with Apopka	Mount Dora, City of	Construct a reclaimed water interconnect between the City of Mt. Dora and City of Apopka	3.00	3.00	$1.10	TBD	2/28/2020	Complete	WSDP
2020_36	SJ00193A	Seminole	SJRWMD	Longwood Septic Tank Abatement Program Transmission Main	Longwood, City of	Construct a 4-mile sewer transmission pipe connecting the City with the Altamonte Springs Regional Water Reclamation Facility. Project provides water quality and water supply with additional reclaimed water available to customers.	0.70	0.70	$4.66	TBD	6/26/2020	Complete	WSDP
2020_37	SJ00198A	Seminole	SJRWMD	Sanford RW Orl-Sanford Airport Phase 2	Sanford, City of	Construct a reclaimed water distribution line along Lake Mary Blvd from the Sanford Water Resource Center to the Brisson West Development and Silvestry Development	0.10	0.10	$0.41	TBD	2/28/2019	Complete	WSDP
2020_38	SJ00199A	Seminole	SJRWMD	Chuluota RW Storage Tank	Chuluota, City of	Construct a 0.5 mg reclaimed water storage tank, associated pumping facilities, and modification and reactivation of the existing pond and pump station at the Chuluota WWTP site	0.15	0.15	$1.18	TBD	8/1/2018	Complete	WSDP
2020_39	SJ00208A	Orange	SJRWMD	Apopka Cost Share Golden Gem Rd RW Extension	Apopka, City of	Construct 10,500 LF of reclaimed water distribution line along Golden Gem Road between Ponkan Road and Kelly Park Road, a pump station, and storage pond	5.00	5.00	$0.62	TBD	12/31/2027	Construction/ Underway	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2020_40	SJ00212A	Orange	SJRWMD	Winter Garden Reuse Distribution Retrofit	Winter Garden, City of	Construct 221 reclaimed water retrofits in the Stoneybrook West community (final phase).	0.10	0.10	$1.25	TBD	6/30/2019	Complete	WSDP
2020_41	SJ00279A	Orange	SJRWMD	Ocoee Windermere Groves RW Retrofit	Ocoee, City of	Construct 128 RW retrofits in the Windermere Groves neighborhood.	0.02	0.02	$0.41	$2.47	9/30/2019	Complete	WSDP
2020_42	--	Lake	SJRWMD	City of Minneola Septic to Sewer (Phase 1-10)	Minneola, City of	Phased project to convert septic tanks to the centralized sewer system. This project has water quality and water supply benefit by increasing wastewater flows, to send to reclaimed water to over 160 businesses and 3,500 homes.	0.80	0.80	$50.00	N/A	12/31/2040	Construction/ Underway	WSDP
2020_43	--	Orange	SJRWMD	The Hammocks - Reclaimed Water Retrofit Project	Ocoee, City of	Construct 125 reclaimed water retrofits for landscape irrigation in the Hammocks neighborhood.	0.05	0.05	$0.42	$1.01	2/15/2021	Complete	WSDP
2020_44	--	Orange	SJRWMD/ SFWMD	City of Orlando Eastern Regional Reclaimed Water Distribution System Improvements	Orlando, City of	Expansion of the City's ERRWDS service area by making hydraulic improvements to include a 3 mg reclaimed water storage tank and 6,000 gpm high service pump station(s). thereby increasing available reclaimed water supplies to City of Orlando, OUC, and OCU customers.	30.00	17.00	$9.40	NA	12/31/2025	Planning	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2020_45	SWWS00149A	Polk	SWFWMD	Polk County NERUSA CR547 Reuse	Polk County	Construct 6,900 LF of reclaimed water distribution line to supply approximately 1,060 residential irrigation customers.	0.38	0.38	$0.87	$0.66	12/31/2019	Complete	WSDP
2020_46	SWWS00155A	Polk	SWFWMD	Polk County NERUSA Ernie Caldwell Reuse	Polk County	Construct 10,300 LF of 16 to 24-inch reclaimed water distribution line to supply approximately 1,100 residential irrigation customers in the Ridgewood Lake Area.	0.41	0.41	$2.11	$1.56	6/30/2020	Complete	WSDP
2020_47	SWWS00143A	Polk	SWFWMD	Haines City Reclaimed Water MFL Recharge and AWT Feasibility	Haines City, City of	Feasibility evaluation of reclaimed water recharge sites, components, and advanced treatment necessary to assist in meeting MFLs for Lake Eva.	0.00	0.00	$0.30	N/A	7/31/2021	Complete	WRDP
2020_48	SWWS00144A	Polk	SWFWMD	Haines City Reclaimed Water Storage and Pumping Expansion	Haines City, City of	Construct a reclaimed water transfer pump station, storage tank, high service pump station, booster station, and other necessary appurtenances	0.00	0.00	$6.16	$0.00	12/31/2023	Complete	WSDP
2020_49	SWWS00135A	Polk	SWFWMD	Polk Co Reclaimed Recharge Study in Polk NW Areas	Polk County	Feasibility study to develop Reclaimed Water Aquifer Recharge project concept to supplement Polk County's NWRUSA water supplies	1.50	1.50	$1.19	TBD	3/1/2022	Cancelled	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2020_50	SWWS00156A	Polk	SWFWMD	Polk County NERUSA FDC Grove Reuse	Polk County	Construct 13,600 LF of 6 to 8-inch reclaimed water distribution line to supply approximately 400 residential irrigation customers	0.14	0.14	$1.70	$2.96	12/31/2019	Construction/ Underway	WSDP
2020_51	SWWS00153A	Polk	SWFWMD	Polk County NERUSA Loughman and Ridgewood Reclaimed Water Transmission	Polk County	Construct 12,400 LF of 12 to 24-inch reclaimed water distribution line to supply approximately 915 residential irrigation customers	3.45	3.45	$2.50	$2.17	12/31/2019	Complete	WSDP
2020_52	--	Seminole	SJRWMD	Regional Water Reclamation Facility Improvement for AWT – Phase II	Altamonte Springs, City of	Phase II expands capacity from 9.0 mgd to 12.5 mgd and improves nutrient reduction TN 6 ppm to 3 ppm TP from 3 ppm to 1 ppm	3.50	3.50	$3.00	$0.26	3/31/2021	Complete	WSDP
2020_59	==	Seminole	SJRWMD	pureALTA	Altamonte Springs, City of	This phase is for the design and construction of a 0.3 to 0.5 mgd full-scale potable reuse project.	0.50	0.50	$6.34	$2.61	11/15/2017	Complete	WSDP
2020_61	--	Osceola	SFWMD	Central Reclaimed Water Storage and Pumping Facility	TWA	Construct 26,000 LF of reclaimed water transmission pipeline, two 10 mg storage tanks, and 30 mgd of pumping capacity.	14.00	14.00	$25.00	$1.79	12/31/2035	Planning	WSDP
2020_62	--	Lake	SJRWMD	Minneola SMART – Pipeline Interconnection of WRF to Reuse Distribution System	Minneola, City of	Construct an interconnect pipeline between the City's WRF and the potable supply system and conversion of an existing pipeline, currently used for these purposes, to distribute public access reclaimed water from the WRF to end users	0.34	1.00	$2.20	$0.85	12/31/2025	Planning	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_12	--	Orange	SJRWMD	Eastern Water Resource Development - IPR	OCU	The IPR project in Orange County would consist of constructing a pilot treatment facility, potentially utilizing advanced treatments like ozone/biological activated filter or membrane technology, to combat emerging contaminants.	TBD	TBD	$6.50	$4.00	12/31/2028	Concept	WSDP
2025_13	--	Orange	SFWMD	Orlo Vista (stormwater used to augment reclaimed)	OCU	Utilizing Shingle Creek's water to augment SWRF's reclaimed water supply and mitigate flooding at the Orlo Vista neighborhood.	2.5 - 5.00	2.50	$12.00	$2.25	TBD	Planning	WSDP
2025_14	--	Orange	SJRWMD	EWRF 6A	OCU	Expansion of EWRF's reclaimed water storage and pumping.	5.00	5.00	$39.00	TBD	12/31/2026	Construction/ Underway	WSDP
2025_15	--	Orange	SJRWMD	SWRF AWT	OCU	Upgrading South WRF to AWT plant.	NA	N/A	$110.00	N/A	TBD	Planning	WSDP
2025_16	--	Orange	SFWMD	Hamlin Phase II Expansion	OCU	Expansion of Hamlin WRF from 5 to 10 mgd.	5.00	5.00	$70.00	TBD	12/31/2027	Planning	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_17	--	Orange	SJRWMD	EWRF 6B	OCU	Plant expansion from 24 to 31 mgd.	5.00	5.00	$56.00	TBD	12/31/2028	Planning	WSDP
2025_18	--	Orange	SFWMD	Big Sand Lake (surface water used to augment reclaimed water)	OCU	Surface water augmentation of reclaimed water	0.50	0.50	$2.50	$5.00	TBD	Concept	WSDP
2025_19	SWWS00524	Polk	SWFWMD	Polk County NERUSA Lake Wilson Reuse	Polk County	Construct 5,000 LF of reclaimed water transmission mains to supply	0.20	0.20	$0.53	TBD	12/31/2024	Construction/Underway	WSDP
2025_20	SWWS00523A	Polk	SWFWMD	Polk County NERUSA Southeast Reuse Loop	Polk County	Construct 24,800 LF of reclaimed water transmission mains to construct a loop to supply approximately 1,365 residential irrigation customers	0.50	0.50	$4.37	TBD	12/31/2023	Complete	WSDP
2025_21	--	Osceola	SFWMD	Edgewater Reclaimed Water Storage and Repump Facility	TWA	Construct two new 2.5 mg reuse storage tanks (5 mg total) and repump facility in the Kissimmee Park area. Southside WRF is where is this going to be tied in the future and eventually the entire system; Parkway WRF will be second to connect to this project	5.00	0.00	$10.00	N/A	12/31/2026	Design	WSDP
2025_22	--	Osceola	SFWMD	Toho Reservoir AWS Stormwater Reuse Distribution Main (fka Judge Farms Reservoir)	TWA	Construct 19,000 LF of 20-inch reuse main from the Toho Reservoir WTF in NeoCity to Macy Island Road at Tohoqua (capacity counted in Toho Reservoir plant).	6.00	0.00	$9.56	N/A	12/31/2027	Design	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_23	--	Osceola	SFWMD	Cross-Prairie Parkway Reuse Main Extension from St. Cloud Canal to Kissimmee Park Area	TWA	Construct 8,000 LF of 20-inch reuse main from St. Cloud Canal at Tohoqua to Nolte Road at Kissimmee Park (Toho Reservoir) (capacity counted in Toho Reservoir Plant)	6.00[a]	0.00	$4.00	N/A	12/31/2028	Design	WSDP
2025_24	--	Osceola	SFWMD	Jack Brack Road Reuse Main Extension	TWA	Construct 14,000 LF of 20-inch reuse main on Jack Brack Road from Sabel Glen Drive to the Sunbridge WRF	5.00	0.00	$7.00	N/A	12/31/2028	Design	WSDP
2025_25	--	Osceola	SFWMD	Cyrils Drive Reuse Main Extension	TWA	Construct 11,300 LF of 16-inch reuse main on Cyrils Drive from Absher Drive to Zuni Road (Sunbridge WRF)	2.50	0.00	$7.63	N/A	12/31/2025	Construction/ Underway	WSDP
2025_26	--	Osceola	SFWMD	Harmony West Reclaimed Water Storage and Repump Facility	TWA	Construct new 2.5 mg reuse storage tank and repump facility in the Harmony West Area	2.50	0.00	$8.00	N/A	12/31/2030	Planning	WSDP
2025_27	--	Osceola	SFWMD	Harmony East Reclaimed Water Storage and Repump Facility and Reuse Main Extension	TWA	Construct new 2.5 mg reuse storage tank and repump facility in the Harmony East Area	2.50	0.00	$8.00	N/A	12/31/2032	Planning	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_28	--	Osceola	SFWMD	Old Hickory Tree/10th Street Reuse Main Extension	TWA	Construct 11,000 LF of 16-inch reuse main on Old Hickory Tree Road from Hickory Tree Elementary School to 10th Street on 10th Street from Old Hickory Tree Road to Narcoossee Road, and on Narcoossee Road to Lilian Lee Road (Southside WRF)	3.00	0.00	$5.40	N/A	12/31/2027	Design	WSDP
2025_29	--	Osceola	SFWMD	Narcoossee Road Reuse Main Extension	TWA	Construct 3,000 LF of 16-inch reuse main on Narcoossee Road from Rummell Road to Terrapin Blvd (Southside WRF).	3.00	0.00	$1.50	N/A	12/31/2025	Planning	WSDP
2025_30	--	Osceola	SFWMD	Irlo Bronson Hwy Reuse Main Extension from Pine Grove Rd. to Harmony West	TWA	Construct 15,000 LF of 16-inch reuse main from Pine Grove Road to Botanic Blvd to interconnect Toho's St. Cloud and Harmony areas	3.00	0.00	$7.40	N/A	12/31/2031	Planning	WSDP
2025_31	--	Osceola	SFWMD	Hickory Tree Road Reuse Main Extension from Chaplan Road to Harmony West	TWA	Construct 25,000 LF of 16-inch reuse main from Chaplan Road to US 192 to interconnect Toho's St. Cloud and Harmony areas	3.00	0.00	$12.30	TBD	12/31/2032	Planning	WSDP
2025_32	--	Osceola	SFWMD	Harmony WRF Expansion Phase 1	TWA	Expand Harmony WRF from 0.499 to 0.75 mgd.	0.25	0.25	$9.00	TBD	12/31/2024	Construction/Underway	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_33	--	Osceola	SFWMD	Harmony WRF Expansion Phase 2	TWA	Expand Harmony WRF from 0.75 to 1.3 mgd.	0.55	0.55	$22.00	TBD	12/31/2027	Design	WSDP
2025_34	--	Osceola	SFWMD	Parkway WRF Expansion Phase 1	TWA	Expand the Parkway WRF from 1.0 to 2.0 mgd.	1.00	1.00	$10.00	TBD	12/31/2027	Design	WSDP
2025_35	--	Osceola	SFWMD	Parkway WRF Expansion Phase 2	TWA	Expand the Parkway WRF from 2.0 to 3.5 mgd, including reuse storage and pumping.	1.50	1.50	$42.00	TBD	12/31/2030	Planning	WSDP
2025_36	--	Osceola	SFWMD	Southside WRF Expansion	TWA	Expand the Southside WRF from 7.6 to 10.6 mgd	3.00	3.00	$52.00	TBD	12/31/2033	Planning	WSDP
2025_37	--	Osceola	SFWMD	South Lake Toho WRF	TWA	New 1.0 mgd WRF in the South Lake Toho/Green Island Ranch area, including storage and high-service pumping	1.00	1.00	$35.00	TBD	12/31/2033	Planning	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_38	--	Polk	SFWMD	Lake Marion WRF Expansion	TWA	Expand the Lake Marion WRF from 3.0 to 4.5 mgd, including new storage and high service pumping	1.50	1.50	$42.00	TBD	12/31/2032	Planning	WSDP
2025_39	--	Osceola	SFWMD	Sandhill WRF Expansion	TWA	Expand the Sandhill WRF from 7.5 to 9 mgd, including new reuse storage and high service pumping	1.50	1.50	$22.00	TBD	12/31/2033	Planning	WSDP
2025_40	--	Osceola	SFWMD	South Bermuda WRF Expansion	TWA	Expand the South Bermuda WRF from 14.0 to 16.0 mgd	2.00	2.00	$23.00	TBD	12/31/2026	Design	WSDP
2025_41	--	Osceola	SFWMD	Sunbridge WRF Expansion	TWA	Expand the Sunbridge WRF from 1.0 to 3.5 mgd	2.50	2.50	$63.00	TBD	12/31/2029	Planning	WSDP
2025_42	--	Orange	SJRWMD	Admiral Pointe Neighborhood Retrofit	Ocoee, City of	Construct 166 reclaimed water retrofits in the Admiral Pointe neighborhood and an interconnect to Lake Olympia Club	0.06	0.06	$2.42	$4.64	12/31/2030	Concept	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_43	--	Orange	SJRWMD	Richfield Neighborhood Retrofit	Ocoee, City of	Construct 71 reclaimed water retrofits in the Richfield subdivision, including an interconnect to the 16" reclaimed water main on Johio Shores Road.	0.02	0.02	$1.08	$6.41	12/31/2032	Concept	WSDP
2025_44	--	Orange	SJRWMD	Wellington Place Reclaimed Connection Project	Ocoee, City of	Construct 76 reclaimed water retrofits in the Wellington Place subdivision including an 8" line extension to Clarke Road.	0.01	0.01	$0.34	$4.41	12/31/2031	Concept	WSDP
2025_45	--	Orange	SJRWMD	A.D. Mims Road/ North Johio Shores Road Transmission Extension (Design)	Ocoee, City of	Design and construction of the North Johio 16-inch reclaimed water main from the existing reclaimed water main on A.D. Mims towards the Waterside subdivision entrance on New Victor Road.	N/A	N/A	$2.98	N/A	12/31/2027	Concept	WSDP
2025_46	--	Orange	SJRWMD	Silver Bend Neighborhood Retrofit	Ocoee, City of	Construct 182 reclaimed water retrofits in the Silver Bend subdivision.	0.03	0.03	$2.13	$8.24	12/31/2033	Concept	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_47	--	Orange	SJRWMD	South Johio Shores Interconnect	Ocoee, City of	Construct the South Johio 16" reclaimed water main to extend from the North Johio Project to Rachels Ridge Loop.	N/A	N/A	$3.22	N/A	12/31/2030	Concept	WSDP
2025_48	--	Orange	SJRWMD	North Service Area Reclaim Interconnect	Ocoee, City of	Construction of roughly 3,000 LF of reclaimed water transmission pipeline to serve Ocoee Village Center Mixed Use Development	0.31	0.31	$0.90	$0.34	12/31/2026	Concept	WSDP
2025_49	--	Polk	SWFWMD	Reclaim Transmission Main Extension/ Connections	Winter Haven, City of	Last phase of reclaimed transmission loop that will ring the City of Winter Haven to provide reclaimed water to strategic locations and projects within the city	2.00	2.00	$25.00	TBD	12/31/2028	Construction/Underway	WSDP
2025_50	--	Polk	SWFWMD	One Water Demonstration Project - Reuse Water Recharge	Winter Haven, City of	Aquifer recharge project located at BradCo Project site. Designed to recharge 2 mgd.	2.00	1.00	$50.00	TBD	12/31/2027	Design	WRDP AND WSDP
2025_51	--	Polk	SWFWMD	RIB Construction	Winter Haven, City of	Feasibility study of Rapid Infiltration Basin to recharge the Floridan aquifer	0.50	25.00	$3.50	TBD	12/31/2027	Planning	WRDP AND WSDP
2025_58	--	Lake	SJRWMD	Minneola Implementation of Reclaimed Water for Reuse Irrigation Project	Minneola, City of	Install/retrofit 2 transfer pumps and piping to move water from the chlorine contact chamber to the reclaimed water storage tank and 2 high service pumps and piping for distribution of reclaimed water.	1.20	1.20	$1.00	TBD	1/1/2026	Construction/Underway	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_59	--	Orange	SJRWMD	Cross Creek Neighborhood Retrofit	Ocoee, City of	Construct 322 reclaimed water retrofits in the Cross Creek subdivision.	0.04	0.04	$4.43	$12.74	12/31/2035	Concept	WSDP
2025_60	--	Orange	SJRWMD	E & W Harbour Ct Neighborhood Retrofit	Ocoee, City of	Construct 26 reclaimed water retrofits in the E & W Harbour subdivision.	0.01	0.01	$0.44	$5.58	12/31/2038	Concept	WSDP
2025_61	--	Orange	SJRWMD	Shoal Creek I Neighborhood Retrofit	Ocoee, City of	Construct 55 reclaimed water retrofits in Phase I of the Shoal Creek subdivision.	0.01	0.01	$1.22	$14.46	12/31/2037	Concept	WSDP
2025_62	--	Orange	SJRWMD	Shoal Creek II Neighborhood Retrofit	Ocoee, City of	Construct 34 reclaimed water retrofits in Phase II of the Shoal Creek subdivision.	0.01	0.01	$0.60	$7.38	12/31/2039	Concept	WSDP
2025_63	--	Polk	SWFWMD	Polk County Direct Potable Reuse Feasibility and Pilot Demo	Polk County	DPR feasibility study and 29,000 gpd educational/testing pilot project to test the development of a future DPR project for new potable water supply. Project includes data collection, laboratory services, design, permitting, construction and demonstration testing involving a field scale investigation of the advanced treatment of reclaimed water as well as at least one year of education and testing.	0.00	0.00	$2.59	TBD	12/31/2024	Construction/ Underway	WSDP

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Table E-4. Updated summary of CFWI RWSP water supply and water resource development project options: Reclaimed Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_64	--	Polk	SWFWMD	Winter Haven Direct Potable Reuse Feasibility Study	Winter Haven, City of	DPR feasibility study to provide information on the potential future development of a DPR project for new potable water supply. Project includes data collection and laboratory services, source water characterization, desktop evaluation and costing of available advanced treatment technologies for reclaimed water.	0.00	0.00	$0.20	TBD	12/31/2024	Construction/Underway	WSDP
					TOTALS		**237.83 to 240.33**	**130.15**	**$ 1,263.69**				

Notes for **Table E-4.**

[a] Project capacity is counted as part of another project.

[b] Project cancelled; therefore, values are not counted in table totals.

AWS==alternative water supply; AWT==advanced wastewater management; CFWI==Central Florida Water Initiative; CR==county road; DEP==Department of Environmental Protection; DPR==direct potable reuse; EWRF==East Water Reclamation Facility; fka==formally known as; gpm==gallons per minute; IPR==indirect potable reuse; LF==linear feet; MFL==minimum flow and minimum water level; mg==million gallons; mgd==million gallons per day; NERUSA==Northwest Regional Utility Service Area; NW==northwest; NWRF==North Water Reclamation Facility; NWRUSA==Northwest Regional Utility Service Area; OCU==Orange County Utilities; OUC==Orlando Utilities Commission; ppm==parts per million; PS==public supply; RD==road; RO==reverse osmosis; RW==reclaimed water; RIB==rapid infiltration basin; SFWMD==South Florida Water Management District; RWSP==Regional Water Supply Plan; SJRWMD==St. Johns River Water Management District; SMART==Securing Minneola Alternative Resources for Tomorrow; SSWRC==Sanford South Water Resource Center; SWFWMD==Southwest Florida Water Management District; SWRF==South Water Reclamation Facility; TBD==to be determined; TMDL==total maximum daily load; TN==total nitrogen; TP==total phosphorus; TWA==Tohopekaliga Water Authority; WRDP==Water Resource Development Project; WRF==water reclamation facility; WSDP==Water Supply Development Project; WWTP==wastewater treatment plant

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Table E-5. Updated summary of CFWI RWSP water supply and water resource development project options: Surface Water Projects.

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2015_125	--	Lake	SJRWMD	SMART Project	Minneola, City of	Construct an intake for surface water from Lake Apopka, surface water treatment, storage, and a reclaimed water transmission system	5.00	5.00	$29.01	$5.43	TBD	Concept	WSDP
2015_126	SJ00241A	Orange and Osceola	SJRWMD/ SFWMD	Taylor Creek Reservoir / St Johns River Water Supply Project (Phase 2)	Cocoa, City of, East Central Florida Services, Orange County, OUC, TWA, and Farmland Reserve	WSD phase of the regional project to construct an intake structure, treatment, storage, and transmission facilities to withdraw from Taylor Creek Reservoir and the St. Johns River. Refer to RWSP Project # 2020_53 for project phase 1.	60.00	54.00	$692.83	$3.14	TBD	Planning	WSDP
2020_53	SJ00082A	Orange and Osceola	SJRWMD	Taylor Creek Reservoir Improvements Project (Phase 1)	SJRWMD	WRD project to raise and improve the existing L-73 Section 1 (L-73) and modify the reservoir operating schedule to help increase AWS availability within the reservoir. Refer to RWSP Project # 2015_126 for the project phase 2.	17.00[a]	17.00[a]	$89.60	TBD	12/31/2031	Design	WRDP

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Table E-5. Updated summary of CFWI RWSP water supply and water resource development project options: Surface Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2015_135	--	Seminole	SJRWMD	St. Johns River Near SR 46	Orange County, cities of Casselberry, Deltona, Maitland, Oviedo, and Sanford	Construct an intake for brackish surface water from the St. Johns River, water treatment and concentrate management facilities, point-of-connection ground storage, and a potable water transmission system. May be used for reclaimed water supplementation.	50.00	40.00	$634.94	$5.09	TBD	Concept	WSDP
2015_137	--	Seminole	SJRWMD	Sanford ASR Well for Surface Potable Water Storage	Sanford, City of	Store water withdrawn from a nontraditional source, most likely brackish surface water from the St. Johns River.	1.00	N/A	$4.99	N/A	TBD	Concept	WSDP
2015_138a	--	Seminole	SJRWMD	St. Johns River Near Yankee Lake – Option 1	Seminole County, SJRWMD	Expand the existing 5 mgd brackish surface water source at Yankee Lake Regional Surface WTP up to 45 mgd. Project includes additional treatment, ground storage, and concentrate management. Project would provide potable water to various end users (Seminole County, Sanlando, Leesburg, LUSI, Apopka, and Volusia County).	50.00	40.00	$614.5	$4.36	TBD	Concept	WSDP
2015_138b	--	Seminole	SJRWMD	St. Johns River Near Yankee Lake – Option 2	Seminole County, SJRWMD	Option 2 is identical to Option 1 except for end users. Option 2 includes OUC instead of Volusia County	N/A	N/A	$583.19	$4.36	TBD	Concept	WSDP

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Table E-5. Updated summary of CFWI RWSP water supply and water resource development project options: Surface Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2015_138c	--	Seminole	SJRWMD	St. Johns River Near Yankee Lake – Option 3	Seminole County, SJRWMD	Expand the existing 5 mgd brackish surface water source at Yankee Lake Regional Surface WTP up to 45 mgd. Project includes additional treatment, ground storage, and concentrate management. Project would provide up to 27.6 mgd potable water to various end users (Seminole County, Sanlando, Apopka, and OUC) and includes an option to inject 12.4 mgd into the UFA near Wekiwa and Rock Springs	N/A	N/A	$544.98	$4.44	TBD	Concept	WSDP
2015_139	--	Seminole	SJRWMD	Winter Springs - Lake Jesup Reclaimed Water Augmentation Project	Winter Springs, City of	Construct surface water storage tank and transmission lines for reclaimed water supplementation in two phases: Phase A – 3 pumps Phase B – 2 pumps	2.20	2.20	$9.24	$2.25	12/31/2025	Concept	WSDP
2015_144	--	Okeechobee/Indian River	SFWMD/SJRWMD	Grove Land Reservoir and STAs	Grove Land Utilities	Construct a reservoir and STA to retain water from the C-23, C-24, and C-25 Canals, which would otherwise be lost to tide. Discharge treated water to the headwaters of the St. Johns River as an AWS for water utilities and other water users	N/A	100.00	$691.00	$0.91	1/31/2026	Planning	WRDP and WSDP

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Table E-5. Updated summary of CFWI RWSP water supply and water resource development project options: Surface Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2015_146	SWWS00136E	Polk	SWFWMD	Peace Creek Integrated Water Supply Project (Sapphire Necklace)	PRWC, Winter Haven, City of	Peace Creek Sapphire Necklace wetland restoration and aquifer recharge system	1.50	1.50	$146.00	TBD	TBD	Planning	WRDP
2015_150	SWWS00301A	Polk	SWFWMD	Polk County Regional Alafia River Basin	PRWC	Construct a surface water intake structure on the Alafia River, SW treatment, and transmission to Polk County	TBD	TBD	TBD	TBD	TBD	Concept	WSDP
2020_54	SWWS00513A	Polk	SWFWMD	Peace River Land Use Transition Treatment Facility and Reservoir Project	PRWC	Construct an intake structure, pump station, storage, surface water treatment, and transmission of supply from the Peace River in southern Polk County	TBD	TBD	TBD	TBD	TBD	Postponed, water availability limited	WSDP
2020_55	SWWS00136E	Polk	SWFWMD	Peace Creek Water Supply Project / Winter Haven Peace Creek Surface Water Storage	PRWC	Phase I: feasibility study, formation of a watershed partnership, selection and evaluation of aquifer recharge sites, preliminary design report, integrated WSP, site permitting, and preliminary rate analysis.	TBD	TBD	TBD	TBD	TBD	Postponed likely not feasible	WRDP and WSDP

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Table E-5. Updated summary of CFWI RWSP water supply and water resource development project options: Surface Water Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2020_60	--	Osceola	SJRWMD	Pennywash/Wolf Creek Reservoir	East Central Florida Services, Inc.	Conceptual new 20 mgd surface water reservoir near the junction of Pennywash and Wolf Creeks, as part of the North Ranch Sector Plan (per 163.3245(4)(b), F.S. to be included in the RWSP)	20.00	20.00	TBD	TBD	TBD	Conceptual	WSDP
2025_52	--	Osceola	SFWMD	Shingle Creek Potable Water Supply Project	TWA	Modification of existing non-potable water supply facility (reuse augmentation) to provide potable water	6.00	6.00	$120.00	TBD	TBD	Design	WSDP
2025_65	--	Lake	SJRWMD	SLRTAC Reclaimed Water Augmentation Project	SLRTAC Members (Cities of Groveland, Minneola, Clermont, Mascotte, Sunshine Water, and Howey-in-the-Hills)	Construct a surface water intake, treatment system, and transmission lines for supplementation to reclaimed water in South Lake County.	10.00	10.00	TBD	TBD	12/31/2035	Concept	WSDP
				TOTALS			**205.70**	**278.70**	**$ 4,160.63**				

Notes for **Table E-5.**

[a] Project capacity is counted as part of another project.

ASR==aquifer storage recovery; AWS==alternative water source; CFWI==Central Florida Water Initiative; F.S.==Florida Statute; GW==groundwater; mgd==million gallons per day; N/A==not applicable; OUC==Orlando Utilities Commission; PRWC==Polk Regional Water Cooperative; RWSP==Regional Water Supply Plan; SMART== Securing Minneola's Alternative Resources for Tomorrow; SFWMD==South Florida Water Management District; SJRWMD==St. Johns River Water Management District; SLRTAC==South Lake Regional Technical Advisory Committee; SR==state road; STA==stormwater treatment area; SW==surface water; TBD==to be determined; SWFWMD==Southwest Florida Water Management District; UFA==Upper Floridan aquifer; WRD==Water Resource Development; WRDP==Water Resource Development Project; WSDP== WSDP==Water Supply Development Project; WSD== Water Supply Development; WSP==Water Supply Plan; WTP==wastewater treatment plan.

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Table E-6. Updated summary of CFWI RWSP water supply and water resource development project options: Stormwater Projects.

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2015_128	SF00267A	Osceola	SFWMD	Judge Farms Reservoir & Impoundment Project	Osceola County/ TWA	Impound stormwater and surface water from Mill Slough and East City Ditch for subsequent treatment and distribution for public access reuse.	5.00[a]	0.00	$30.75	$0.99	12/31/2021	Complete	WSDP
2025_53	--	Osceola	SFWMD	Toho Reservoir 6.0 mgd Reclaimed Water Augmentation Project - Surface/storm water Treatment Facility and Pump Stations	TWA	The Toho Reservoir 6.0 mgd Reclaimed Water Augmentation Project - Treatment Facility and Pump Stations (the Project) will use treated surface water to provide up to 6.0 mgd of treated water to Toho's reclaimed water system with potential in a future phase as a potable water supply. This Project builds upon the Judge Farms Reservoir & Impoundment Project) (RWSP 2015-128) constructed in 2021 by Osceola County and partially funded by Toho and SFWMD. The Project will construct pump stations, raw water lines, and treatment facilities to deliver irrigation quality water to Toho's reclaimed system with water from the Toho Reservoir.	8.22	6.00	$135.00	TBD	12/31/2027	Design	WSDP
2025_54	--	Polk	SWFWMD	Logistics Parkway Stormwater Reclamation	Winter Haven, City of	Regional stormwater	TBD	TBD	TBD	TBD	12/31/2028	Planning	WSDP

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Table E-6. Updated summary of CFWI RWSP water supply and water resource development project options: Stormwater Projects (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_55	--	Orange	SJRWMD	Stormwater Harvesting - Alternative Water Project	Oakland, Town of	Construction of a 3.3 mg stormwater pond (northwest corner of the Oakland Nature Preserve), with treatment through disc filters and chlorination. Construction of a pump station to connect to an existing 10-inch pipe for the landscape irrigation of 188 homes. This is a multi-phase project with future expansions, achieving full capacity by 2035.	3.30	1.06	$6.58	$13.16	10/1/2035	Design	WSDP
					TOTALS		**11.52**	**7.06**	**$ 172.33**				

Notes for **Table E-6.**

[a] Project capacity is counted as part of another project.

CFWI==Central Florida Water Initiative; mg==million gallons; mgd==million gallons per day; RWSP==Regional Water Supply Plan; SFWMD==South Florida Water Management District; SJRWMD==St. Johns River Water Management District; SWFWMD==Southwest Florida Water Management District; TBD==to be determined; TWA==Tohopekaliga Water Authority.

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Table E-7. Updated summary of CFWI RWSP water supply and water resource development project options: Management Strategies.

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2015_133	SW00305A	Polk	SWFWMD	PRMRWSA / PRWC Joint Water Supply Partnership	PRWC, PRMRWSA	Partnership to interconnect PRWC to PRMRWSA system	N/A	TBD	N/A	N/A	N/A	Concept	WSDP
2015_134	--	Polk	SWFWMD	TBW/ PRWC Joint Water Supply Partnership	PRWC, TBW	Partnership to interconnect PRWC to TBA Regional system.	N/A	TBD	N/A	N/A	N/A	Concept	WSDP
2015_140	--	Polk	SWFWMD	Wellfield Sharing	PRWC	The sharing of UFA wells throughout the county to optimize permit vs. actual use and minimize impacts. Cost includes additional UFA wells and transfer pumping system.	TBD	TBD	TBD	TBD	TBD	Concept	WRDP AND WSDP
2015_142	--	Polk	SWFWMD	Joint TWA/Polk County Supply	TWA, PCU	Regional transfer of existing water capacity	TBD	TBD	TBD	TBD	TBD	Concept	WSDP
2015_148	--	Orange,/Osceola,/Polk,/Seminole/ Lake	SJRWMD/ SFWMD/SWFWMD	FDOT Reuse projects	FDOT, SJRWMD, SFWMD, SWFWMD	Potential future stormwater projects for water resource development or water supply, coordinated by the Districts and FDOT	TBD	TBD	TBD	TBD	TBD	Concept	WRDP AND WSDP

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Table E-7. Updated summary of CFWI RWSP water supply and water resource development project options: Management Strategies (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2020_56	--	Orange	SJRWMD	Golden Gem Road RW Pond	Apopka, City of	Construction of a pond for reclaimed water storage and aquifer enhancement with a storage capacity of 200 to 400 mg.	N/A	N/A	$3.43	$9.82	3/30/2022	Complete	WRDP and WSDP
2020_57	--	Orange	SJRWMD	Lake Apopka North Shore Recharge Well	SJRWMD	Aquifer recharge via a recharge well located near the City's surface water withdrawal facility adjacent to LANS.	5.00	5.00	TBD	TBD	TBD	Concept	WRDP
2020_58	--	Lake	SJRWMD	Wekiva Falls RV Resort	Wekiva Fall RV Resort, LLC	Potential aquifer enhancement to be achieved through required actions on a CUP: install flow restriction device, permanent operation plan, and external source of contamination evaluation.	TBD	TBD	TBD	TBD	TBD	Concept	WRDP and WSDP
2025_56	--	Polk	SWFWMD	ASR Wellfield – CEI Services/ Construction	Winter Haven, City of	Winter Haven's East Winter Haven ASR/Recovery and Wetland Restoration Project Constructed Wetland Treatment System ASR Well Program	TBD	TBD	TBD	TBD	12/31/2026	Design	WRDP and WSDP

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Table E-7. Updated summary of CFWI RWSP water supply and water resource development project options: Management Strategies (continued).

RWSP Project #	DEP Project ID	County	District	Project Name	Implementing Agency or Entity	Project Description	Project Capacity (mgd)	Generated or Water Resource Benefit (mgd)	Total Capital Cost ($M)	Unit Cost ($/1,000 gallons)	Estimated Completion Date	Project Status	Water Supply or Water Resource Development
2025_66	--	Lake	SJRWMD	UORB Surface Water Supply Alternatives Evaluation and Implementation	SLRTAC Members (Groveland, Minneola, Clermont, Mascotte, Sunshine Water, and Howey-in-the-Hills)	Evaluate irrigation and/or injected aquifer recharge recovery, including treatment and distribution alternatives, to meet potable and/or non-potable demand with UORB surface water sources; including implementation of the selected alternatives to reduce and/or augment FAS use.	11.00	10.00	TBD	TBD	TBD	Concept	WSDP
					TOTALS		**16.00**	**15.00**	**$3.43**				
					ALL WATER SUPPLY OPTION TOTALS		**593.55 – 596.05**	**515.75**	**$7,135.71**				

Notes for Table E-7.

ASR==aquifer storage and recovery CEI==Construction, Engineering and Inspection; CFWI==Central Florida Water Initiative; CUP==consumptive use permit; FAS==Floridan aquifer system; FDOT==Florida Department of Transportation; LANS==Lake Apopka North Shore; PCU==Polk County Utilities; PRWC==Polk Regional Water Cooperative; PRMRWSA==Peace River Manasota Regional Water Supply Authority; mg==million gallons; mgd==million gallons per day; NA==not applicable; RV== recreation vehicle; RW==reclaimed water; RWSA== Regional Water Supply Plan; RWSP==Regional Water Supply Authority; SFWMD==South Florida Water Management District; SJRWMD==St. Johns River Water Management District; SLRTAC==South Lake Regional Technical Advisory Committee; SWFWMD==Southwest Florida Water Management District; TBW==Tampa Bay Water; TBD==to be determined; UFA==Upper Floridan aquifer; UORB==Upper Ocklawaha River Basin; WRDP==Water Resource Development Project; WSDP==Water Supply Development Project.

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