



Florida Statewide Agricultural Irrigation Demand

Appendix D – Other Agricultural Water Use Projections



Appendix D – Other Agricultural Water Use Projections

List of Tables

Table D- 1. Freeze Protection Estimates by Crop for Each Water Management District.....	D-1
Table D- 2. Freeze Protection Estimates by County.....	D-2
Table D- 3. Conservation Estimates by Crop, NFWMD.....	D-4
Table D- 4. Conservation Estimates by Crop, SFWMD.....	D-4
Table D- 5. Conservation Estimates by Crop, SJRWMD.....	D-4
Table D- 6. Conservation Estimates by Crop, SRWMD.....	D-5
Table D- 7. Conservation Estimates by Crop, SWFWMD.....	D-5
Table D- 8. Conservation Estimates by County.....	D-6
Table D- 9. County totals of livestock and aquaculture water demand, MGD.....	D-8
Table D-10. Livestock and Aquaculture Water Demand - Current to Future Estimates by County.....	D-10
Table D-11. Total Water Use by County - Irrigation Demand, Livestock/Aquaculture, Freeze Totals.....	D-13

Table D-1. Freeze Protection Estimates by Crop for Each Water Management District

NFWWMD							
Crop	2023	2025	2030	2035	2040	2045	2050
Citrus	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Fruit (Non-citrus)	0.07	0.08	0.08	0.08	0.08	0.08	0.08
Greenhouse/Nursery	-	-	-	-	-	-	-
Total	0.09	0.09	0.09	0.09	0.09	0.09	0.10
SFWMD							
Crop	2023	2025	2030	2035	2040	2045	2050
Citrus	9.34	9.31	9.28	9.19	9.06	9.00	8.99
Fruit (Non-citrus)	0.27	0.27	0.27	0.24	0.23	0.23	0.23
Greenhouse/Nursery	-	-	-	-	-	-	-
Total	9.60	9.58	9.54	9.43	9.30	9.23	9.23
SJRWMD							
Crop	2023	2025	2030	2035	2040	2045	2050
Citrus	2.00	1.95	1.88	1.77	1.69	1.60	1.51
Fruit (Non-citrus)	1.84	1.81	1.72	1.69	1.54	1.50	1.44
Greenhouse/Nursery	5.43	5.39	5.26	5.14	5.03	4.86	4.75
Total	9.27	9.15	8.86	8.60	8.26	7.96	7.71
SRWMD							
Crop	2023	2025	2030	2035	2040	2045	2050
Citrus	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Fruit (Non-citrus)	1.24	1.24	1.25	1.27	1.27	1.27	1.27
Greenhouse/Nursery	-	-	-	-	-	-	-
Total	1.25	1.25	1.26	1.28	1.28	1.29	1.29
SWFWMD							
Crop	2023	2025	2030	2035	2040	2045	2050
Citrus	24.70	24.47	23.93	23.42	22.82	22.22	21.57
Fruit (Non-citrus)	7.77	7.66	7.28	6.93	6.72	6.42	6.29
Greenhouse/Nursery	-	-	-	-	-	-	-
Total	32.48	32.12	31.20	30.34	29.53	28.64	27.86

Table D-2. Freeze Protection Estimates by County

Freeze Demands, MGD							
County	2023	2025	2030	2035	2040	2045	2050
Alachua	1.57	1.57	1.57	1.57	1.57	1.57	1.57
Baker	-	-	-	-	-	-	-
Bay	-	-	-	-	-	-	-
Bradford	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Brevard	0.01	0.01	0.01	0.01	0.00	0.00	0.00
Broward	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-
Charlotte	0.86	0.85	0.81	0.78	0.77	0.77	0.74
Citrus	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Clay	-	-	-	-	-	-	-
Collier	1.70	1.69	1.69	1.62	1.58	1.56	1.56
Columbia	-	-	-	-	-	-	-
DeSoto	9.55	9.53	9.51	9.49	9.42	9.36	9.32
Dixie	-	-	-	-	-	-	-
Duval	-	-	-	-	-	-	-
Escambia	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Franklin	-	-	-	-	-	-	-
Flagler	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Gadsden	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Gilchrist	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Glades	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Gulf	-	-	-	-	-	-	-
Hamilton	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Hardee	5.89	5.87	5.81	5.71	5.65	5.58	5.51
Hendry	2.91	2.91	2.90	2.89	2.85	2.83	2.83
Hernando	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Highlands	5.74	5.62	5.28	4.96	4.62	4.27	3.92
Hillsborough	5.47	5.35	5.08	4.80	4.59	4.37	4.23
Holmes	-	-	-	-	-	-	-
Indian River	0.82	0.82	0.81	0.79	0.77	0.74	0.72
Jackson	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lafayette	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Lake	1.42	1.37	1.27	1.16	1.08	0.98	0.88
Lee	0.46	0.46	0.46	0.46	0.44	0.44	0.44
Leon	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Levy	0.23	0.23	0.24	0.24	0.24	0.24	0.24

Table D-2. Freeze Protection Estimates by County (continued)

Freeze Demands, MGD							
County	2023	2025	2030	2035	2040	2045	2050
Liberty	-	-	-	-	-	-	-
Madison	0.13	0.13	0.13	0.14	0.14	0.14	0.14
Manatee	0.81	0.81	0.81	0.81	0.81	0.77	0.74
Marion	0.41	0.39	0.35	0.35	0.24	0.23	0.23
Martin	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Miami-Dade	-	-	-	-	-	-	-
Monroe	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-
Okaloosa	-	-	-	-	-	-	-
Okeechobee	0.19	0.19	0.17	0.16	0.16	0.12	0.12
Orange	0.20	0.20	0.20	0.17	0.13	0.11	0.05
Osceola	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Palm Beach	-	-	-	-	-	-	-
Pasco	0.20	0.18	0.10	0.09	0.06	0.01	0.01
Pinellas	-	-	-	-	-	-	-
Polk	4.66	4.62	4.51	4.39	4.29	4.18	4.07
Putnam	1.36	1.36	1.36	1.36	1.36	1.36	1.36
Santa Rosa	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Sarasota	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Seminole	0.02	0.02	0.01	0.00	0.00	0.00	0.00
St. Johns	-	-	-	-	-	-	-
St. Lucie	1.33	1.32	1.32	1.32	1.31	1.31	1.30
Sumter	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Suwannee	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Taylor	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Union	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Volusia	4.20	4.17	4.04	3.95	3.85	3.72	3.63
Wakulla	-	-	-	-	-	-	-
Walton	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-
Total	52.69	52.20	50.96	49.75	48.46	47.21	46.18

Table D-3. Conservation Estimates by Crop, NFWWMD

NFWWMD						
Crop	2025	2030	2035	2040	2045	2050
Citrus	-	-	-	-	-	-
Field Crops	0.52	1.52	1.94	1.97	1.97	1.97
Fruit (Non-citrus)	0.00	0.01	0.02	0.02	0.02	0.02
Greenhouse/Nursery	0.09	0.31	0.55	0.76	1.02	1.18
Hay	0.03	0.09	0.19	0.22	0.25	0.27
Potatoes	0.00	0.00	0.00	0.00	0.00	0.00
Sod	0.08	0.27	0.44	0.59	0.73	0.82
Sugarcane	-	-	-	-	-	-
Vegetables (Fresh Market)	0.02	0.05	0.05	0.05	0.05	0.05
Total	0.74	2.25	3.18	3.61	4.04	4.32

Table D-4. Conservation Estimates by Crop, SFWMD

SFWMD						
Crop	2025	2030	2035	2040	2045	2050
Citrus	0.27	0.45	0.51	0.53	0.53	0.54
Field Crops	0.05	0.16	0.27	0.37	0.40	0.38
Fruit (Non-citrus)	0.54	1.54	2.34	2.86	3.27	3.55
Greenhouse/Nursery	1.73	7.24	12.56	17.22	21.58	25.75
Hay	0.38	1.06	1.54	1.82	2.03	2.17
Potatoes	0.14	0.45	0.60	0.67	0.63	0.65
Sod	0.49	1.58	2.61	3.48	4.37	5.17
Sugarcane	3.66	4.42	4.38	4.36	4.35	4.34
Vegetables (Fresh Market)	3.21	10.46	13.78	14.57	14.62	14.61
Total	10.48	27.37	38.59	45.87	51.78	57.16

Table D-5. Conservation Estimates by Crop, SJRWMD

SJRWMD						
Crop	2025	2030	2035	2040	2045	2050
Citrus	0.00	0.00	0.00	0.00	0.00	0.00
Field Crops	0.15	0.47	0.68	0.78	0.84	0.85
Fruit (Non-citrus)	0.08	0.17	0.22	0.23	0.25	0.25
Greenhouse/Nursery	0.68	2.27	3.48	4.40	5.20	5.75
Hay	0.26	0.68	1.01	1.23	1.40	1.52
Potatoes	0.46	1.55	2.28	2.81	3.11	3.33
Sod	0.25	0.82	1.39	1.82	2.26	2.76
Sugarcane	-	-	-	-	-	-
Vegetables (Fresh Market)	0.30	0.76	0.78	0.74	0.71	0.65
Total	2.18	6.72	9.84	12.00	13.76	15.11

Table D-6. Conservation Estimates by Crop, SRWMD

SRWMD						
Crop	2025	2030	2035	2040	2045	2050
Citrus	0.00	0.01	0.02	0.02	0.03	0.03
Field Crops	1.94	6.54	10.71	14.61	15.37	15.46
Fruit (Non-citrus)	0.07	0.18	0.27	0.36	0.40	0.42
Greenhouse/Nursery	0.30	0.99	1.85	2.71	3.85	4.45
Hay	0.36	1.19	2.15	2.62	2.99	3.30
Potatoes	0.01	0.03	0.03	0.03	0.03	0.03
Sod	0.01	0.04	0.07	0.10	0.12	0.15
Sugarcane	-	-	-	-	-	-
Vegetables (Fresh Market)	0.51	1.21	1.56	1.62	1.63	1.63
Total	3.21	10.20	16.66	22.06	24.42	25.47

Table D-7. Conservation Estimates by Crop, SWFWMD

SWFWMD						
Primary Crop	2025	2030	2035	2040	2045	2050
Citrus	-	-	-	-	-	-
Field Crops	0.18	0.56	0.77	0.80	0.80	0.81
Fruit (Non-citrus)	0.64	1.72	2.41	2.86	3.14	3.34
Greenhouse/Nursery	0.34	1.08	1.74	2.32	2.85	3.32
Hay	0.15	0.42	0.63	0.78	0.90	1.00
Potatoes	0.06	0.20	0.30	0.33	0.37	0.39
Sod	0.16	0.55	0.87	1.12	1.40	1.64
Sugarcane	-	-	-	-	-	-
Vegetables (Fresh Market)	0.73	1.96	2.02	2.04	2.03	2.00
Total	2.26	6.49	8.73	10.25	11.49	12.50

Table D-8. Conservation Estimates by County

County	Conservation Estimates, MGD					
	2025	2030	2035	2040	2045	2050
Alachua	0.29	0.92	1.47	1.93	2.17	2.35
Baker	0.01	0.02	0.03	0.04	0.04	0.05
Bay	0.02	0.06	0.10	0.14	0.18	0.20
Bradford	0.02	0.07	0.11	0.15	0.18	0.19
Brevard	0.19	0.53	0.71	0.71	0.71	0.73
Broward	0.05	0.17	0.28	0.33	0.39	0.44
Calhoun	0.06	0.20	0.29	0.35	0.40	0.44
Charlotte	0.34	1.04	1.38	1.24	1.07	0.96
Citrus	0.02	0.07	0.11	0.14	0.16	0.17
Clay	0.02	0.05	0.08	0.11	0.13	0.16
Collier	1.13	3.66	5.01	5.47	5.60	5.75
Columbia	0.10	0.33	0.58	0.78	0.88	0.94
DeSoto	0.18	0.54	0.65	0.74	0.82	0.89
Dixie	0.14	0.36	0.58	0.79	0.90	0.93
Duval	0.02	0.08	0.13	0.17	0.22	0.24
Escambia	0.04	0.12	0.18	0.21	0.23	0.25
Franklin	-	-	-	-	-	-
Flagler	0.21	0.65	1.00	1.25	1.51	1.69
Gadsden	0.08	0.25	0.40	0.50	0.59	0.66
Gilchrist	0.45	1.44	2.38	3.13	3.54	3.62
Glades	1.68	4.78	7.53	9.62	11.58	13.44
Gulf	0.00	0.00	0.01	0.01	0.01	0.01
Hamilton	0.30	0.99	1.53	1.95	2.10	2.17
Hardee	0.19	0.54	0.77	0.96	1.13	1.29
Hendry	2.36	4.14	4.89	5.16	5.34	5.47
Hernando	0.04	0.11	0.18	0.23	0.29	0.34
Highlands	0.62	1.60	2.42	3.05	3.60	4.11
Hillsborough	0.55	1.49	2.06	2.46	2.74	2.93
Holmes	0.01	0.02	0.03	0.03	0.04	0.04
Indian River	0.23	0.68	0.85	0.97	1.04	1.03
Jackson	0.46	1.36	1.78	1.88	1.97	2.04
Jefferson	0.08	0.25	0.41	0.55	0.64	0.71
Lafayette	0.26	0.86	1.41	1.86	2.06	2.13
Lake	0.20	0.65	0.97	1.21	1.38	1.53
Lee	0.27	0.79	0.96	1.08	1.17	1.20
Leon	0.01	0.02	0.03	0.04	0.04	0.04

Table D-8. Conservation Estimates by County (continued)

County	Conservation Estimates, MGD					
	2025	2030	2035	2040	2045	2050
Levy	0.53	1.65	2.64	3.25	3.58	3.74
Liberty	0.00	0.00	0.00	0.00	0.00	0.00
Madison	0.45	1.44	2.37	3.21	3.43	3.52
Manatee	0.57	1.55	1.82	1.97	2.13	2.24
Marion	0.13	0.37	0.50	0.55	0.60	0.65
Martin	1.18	2.42	3.03	3.47	3.78	4.16
Miami-Dade	1.50	4.60	7.11	9.18	11.02	12.68
Monroe	-	-	-	-	-	-
Nassau	0.01	0.05	0.08	0.10	0.11	0.12
Okaloosa	0.01	0.01	0.02	0.03	0.04	0.04
Okeechobee	0.35	0.99	1.31	1.43	1.49	1.40
Orange	0.10	0.28	0.43	0.50	0.57	0.63
Osceola	0.33	1.09	1.69	2.23	2.78	3.33
Palm Beach	0.52	1.70	2.57	3.19	3.67	4.10
Pasco	0.02	0.05	0.07	0.06	0.04	0.05
Pinellas	0.00	0.00	0.00	0.00	0.01	0.01
Polk	0.26	0.78	1.22	1.57	1.87	2.13
Putnam	0.23	0.72	1.11	1.45	1.71	1.90
Santa Rosa	0.03	0.08	0.16	0.21	0.28	0.30
Sarasota	0.05	0.18	0.26	0.34	0.40	0.46
Seminole	0.04	0.11	0.15	0.13	0.11	0.13
St. Johns	0.46	1.45	2.03	2.46	2.74	2.94
St. Lucie	0.35	1.09	1.47	1.74	1.92	2.07
Sumter	0.06	0.17	0.26	0.34	0.41	0.45
Suwannee	0.80	2.48	4.02	5.37	5.91	6.19
Taylor	0.01	0.04	0.06	0.07	0.07	0.08
Union	0.02	0.06	0.09	0.10	0.11	0.12
Volusia	0.23	0.72	1.12	1.43	1.66	1.81
Wakulla	0.00	0.00	0.01	0.01	0.01	0.01
Walton	0.02	0.06	0.09	0.11	0.13	0.15
Washington	0.01	0.02	0.03	0.04	0.04	0.05
Total	18.88	53.03	77.00	93.79	105.49	114.56

Table D-9. County Totals of Livestock and Aquaculture Water Demand, MGD

County	Dairy Cows	Beef and Other Cows	Chickens, broilers	Chickens, layers	Equine	Goats	Hogs	Sheep	Aquaculture
Alachua	0.02	0.54	0.00	0.00	0.02	0.01	0.00	0.00	0.08
Baker	-	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Bay	-	0.01	-	0.00	0.00	0.00	0.00	0.00	0.01
Bradford	-	0.09	0.00	-	0.01	0.00	0.00	0.00	0.16
Brevard	-	0.28	0.00	0.00	0.01	0.00	0.00	0.00	0.26
Broward	0.00	-	0.00	0.00	0.02	0.00	0.00	0.00	0.08
Calhoun	-	0.02	0.00	0.00	0.00	0.00	-	0.00	0.36
Charlotte	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.24
Citrus	-	0.12	0.00	0.00	0.01	0.00	0.00	0.00	0.01
Clay	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	-
Collier	-	0.12	-	0.00	0.00	0.00	0.00	0.00	0.05
Columbia	0.01	0.35	-	-	0.01	0.00	0.00	0.00	0.02
DeSoto	0.18	0.79	-	0.00	0.01	0.00	0.00	0.00	0.55
Dixie	-	0.05	0.00	-	0.00	0.00	0.00	0.00	0.01
Duval	-	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.13
Escambia	0.00	0.12	0.00	0.00	0.01	0.00	0.00	0.00	0.38
Flagler	-	0.06	-	0.00	0.00	0.00	-	-	-
Franklin	-	0.00	-	0.00	-	-	-	-	0.01
Gadsden	0.00	0.05	0.00	-	0.00	0.00	0.00	0.00	0.01
Gilchrist	2.86	0.45	0.00	0.00	0.01	0.00	0.00	0.00	-
Glades	-	0.78	0.00	0.00	0.00	-	0.00	0.00	0.71
Gulf	-	0.02	-	0.00	0.00	-	-	-	0.23
Hamilton	-	0.09	0.05	0.00	0.00	0.00	-	0.00	0.00
Hardee	0.94	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Hendry	-	0.78	-	-	0.00	0.00	-	0.00	0.33
Hernando	0.00	0.11	0.00	0.00	0.02	0.00	0.00	0.00	-
Highlands	-	0.89	0.00	0.00	0.01	0.00	0.00	0.00	0.15
Hillsborough	0.01	0.40	0.00	0.00	0.03	0.00	0.00	0.00	3.10
Holmes	0.07	0.15	0.02	0.00	0.01	0.00	0.00	0.00	0.12
Indian River	-	0.28	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Jackson	-	0.41	0.03	0.00	0.01	0.00	0.00	0.00	2.81
Jefferson	-	0.35	0.00	0.00	0.01	0.00	0.00	0.00	0.05
Lafayette	0.54	0.21	0.22	0.01	0.00	0.00	0.00	0.00	0.04
Lake	0.00	0.31	0.00	-	0.02	0.01	0.00	0.00	0.02
Lee	0.00	0.12	0.00	0.00	0.01	0.00	0.00	0.00	0.09
Leon	-	0.02	0.00	0.00	0.01	0.00	0.00	0.00	-
Levy	0.00	0.56	0.00	0.00	0.06	0.00	0.00	0.00	-

Table D-9. County Totals of Livestock and Aquaculture Water Demand, MGD (continued)

County	Dairy Cows	Beef and Other Cows	Chickens, Broilers	Chickens, Layers	Equine	Goats	Hogs	Sheep	Aquaculture
Liberty	-	0.01	0.00	0.00	-	0.00	0.00	-	0.06
Madison	-	0.32	0.15	-	0.00	0.00	0.00	0.00	0.02
Manatee	-	0.47	0.00	0.00	0.01	0.00	0.00	0.00	0.07
Marion	0.01	0.49	0.00	0.00	0.29	0.01	0.00	0.00	0.09
Martin	0.01	0.30	0.00	0.00	0.03	0.00	0.00	0.00	0.04
Miami-Dade	0.01	0.09	-	0.00	0.02	0.00	0.00	0.00	5.22
Monroe	-	-	-	-	-	-	-	-	0.02
Nassau	0.01	0.06	-	0.00	0.00	0.00	0.00	0.00	0.07
Okaloosa	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.07
Okeechobee	4.76	1.88	0.00	-	0.01	0.00	0.00	0.00	0.13
Orange	0.00	0.20	0.00	0.00	0.01	0.00	0.00	0.00	0.02
Osceola	0.00	1.19	0.00	0.00	0.01	0.00	0.00	0.00	0.29
Palm Beach	0.00	0.17	0.00	0.00	0.09	0.00	0.00	0.00	0.05
Pasco	0.00	0.42	0.00	0.24	0.02	0.00	0.00	0.00	-
Pinellas	-	-	-	0.00	0.00	-	-	-	-
Polk	0.01	1.31	0.00	-	0.02	0.00	0.00	0.00	0.77
Putnam	-	0.16	0.00	-	0.01	0.00	0.00	0.00	0.21
Santa Rosa	0.00	0.08	0.00	0.00	0.01	0.00	0.00	-	0.49
Sarasota	-	0.17	0.00	0.00	0.00	0.00	-	0.00	0.15
Seminole	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.00	-
St. Johns	-	0.01	-	0.00	0.01	0.00	0.00	0.00	0.22
St. Lucie	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Sumter	-	0.40	0.00	-	0.02	0.00	0.00	0.00	1.58
Suwannee	1.29	0.45	0.44	0.01	0.02	0.00	0.00	0.00	0.02
Taylor	-	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.01
Union	0.00	0.09	-	0.00	0.00	0.00	0.00	0.00	0.00
Volusia	0.01	0.12	0.00	0.00	0.03	0.00	0.00	0.00	0.51
Wakulla	-	0.01	0.00	0.00	0.00	0.00	0.00	-	0.02
Walton	0.00	0.08	0.08	0.00	0.01	0.00	0.00	0.00	0.03
Washington	-	0.11	0.00	0.00	0.01	0.00	0.00	0.00	0.19
Total	10.77	18.80	1.06	0.27	1.00	0.11	0.03	0.05	20.41

Table D-10. Livestock and Aquaculture Water Demand - Current to Future Estimates by County

County	Livestock water use totals, MGD; 2023	Aquaculture water use totals, MGD; 2023	Livestock water use totals, MGD; 2050	Aquaculture water use totals, MGD; 2050
Alachua	0.60	0.08	0.60	0.08
Baker	0.05	0.03	0.05	0.03
Bay	0.01	0.01	0.01	0.01
Bradford	0.10	0.16	0.10	0.16
Brevard	0.29	0.26	0.29	0.26
Broward	0.02	0.08	0.02	0.08
Calhoun	0.02	0.36	0.02	0.36
Charlotte	0.15	0.24	0.15	0.24
Citrus	0.14	0.01	0.14	0.01
Clay	0.09	-	0.09	-
Collier	0.12	0.05	0.12	0.05
Columbia	0.38	0.02	0.38	0.02
Desoto	0.98	0.55	0.98	0.55
Dixie	0.05	0.01	0.05	0.01
Duval	0.04	0.13	0.04	0.13
Escambia	0.13	0.38	0.13	0.38
Flagler	0.06	-	0.06	-
Franklin	0.00	0.01	0.00	0.01
Gadsden	0.06	0.01	0.06	0.01
Gilchrist	3.33	-	3.33	-
Glades	0.78	0.71	0.78	0.71
Gulf	0.02	0.23	0.02	0.23
Hamilton	0.14	0.00	0.14	0.00
Hardee	1.81	0.01	1.81	0.01
Hendry	0.78	0.33	0.78	0.33
Hernando	0.14	-	0.14	-
Highlands	0.90	0.15	0.90	0.15
Hillsborough	0.44	3.10	0.44	3.10
Holmes	0.25	0.12	0.25	0.12
Indian River	0.29	0.00	0.29	0.00
Jackson	0.46	2.81	0.46	2.81
Jefferson	0.36	0.05	0.36	0.05
Lafayette	0.99	0.04	0.99	0.04
Lake	0.34	0.02	0.34	0.02
Lee	0.13	0.09	0.13	0.09
Leon	0.03	-	0.03	-
Levy	0.62	-	0.62	-
Liberty	0.02	0.06	0.02	0.06

County	Livestock water use totals, MGD; 2023	Aquaculture water use totals, MGD; 2023	Livestock water use totals, MGD; 2050	Aquaculture water use totals, MGD; 2050
Madison	0.48	0.02	0.48	0.02
Manatee	0.48	0.07	0.48	0.07
Marion	0.80	0.09	0.80	0.09
Martin	0.35	0.04	0.35	0.04
Miami-Dade	0.13	5.22	0.13	5.22
Monroe	-	0.02	-	0.02
Nassau	0.07	0.07	0.07	0.07
Okaloosa	0.04	0.07	0.04	0.07
Okeechobee	6.65	0.13	6.65	0.13
Orange	0.21	0.02	0.21	0.02
Osceola	1.20	0.29	1.20	0.29
Palm Beach	0.28	0.05	0.28	0.05
Pasco	0.68	-	0.68	-
Pinellas	0.00	-	0.00	-
Polk	1.34	0.77	1.34	0.77
Putnam	0.17	0.21	0.17	0.21
Santa Rosa	0.10	0.49	0.10	0.49
Sarasota	0.18	0.15	0.18	0.15
Seminole	0.06	-	0.06	-
St. Johns	0.02	0.22	0.02	0.22
St. Lucie	0.40	0.01	0.40	0.01
Sumter	0.42	1.58	0.42	1.58
Suwannee	2.21	0.02	2.21	0.02
Taylor	0.12	0.01	0.12	0.01
Union	0.10	0.00	0.10	0.00
Volusia	0.17	0.54	0.17	0.54
Wakulla	0.02	0.02	0.02	0.02
Walton	0.18	0.03	0.18	0.03
Washington	0.12	0.19	0.12	0.19
Total	32.09	20.45	32.09	20.45
Livestock and Aquaculture Total		52.54		52.54

Table D-11. Total Water Use by County - Irrigation Demand, Livestock/Aquaculture, Freeze Totals

County	Total Water Use						
	2023	2025	2030	2035	2040	2045	2050
Alachua	17.45	17.45	17.52	17.60	17.68	17.80	17.84
Baker	0.40	0.40	0.40	0.40	0.39	0.39	0.39
Bay	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Bradford	1.20	1.19	1.19	1.19	1.18	1.18	1.17
Brevard	12.13	11.76	11.05	10.23	9.37	8.79	8.29
Broward	2.41	2.41	2.40	2.40	2.41	2.40	2.40
Calhoun	3.42	3.41	3.41	3.40	3.39	3.38	3.37
Charlotte	26.47	25.98	24.57	23.16	21.41	19.76	18.25
Citrus	2.25	2.24	2.23	2.23	2.23	2.22	2.21
Clay	0.81	0.81	0.81	0.81	0.81	0.81	0.82
Collier	76.48	75.97	74.67	73.38	72.08	70.90	69.97
Columbia	4.90	5.01	5.43	5.65	5.89	6.40	6.71
DeSoto	73.00	72.94	72.27	72.19	71.75	71.22	70.67
Dixie	7.26	7.32	7.45	7.60	7.77	8.00	8.27
Duval	1.47	1.47	1.47	1.48	1.48	1.47	1.47
Escambia	3.01	3.16	3.57	3.88	4.20	4.76	5.08
Flagler	11.01	11.11	11.32	11.50	11.81	12.02	12.17
Franklin	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Gadsden	5.04	5.06	5.06	5.04	5.04	5.05	5.03
Gilchrist	25.39	25.56	26.06	26.68	27.41	28.19	28.70
Glades	83.18	98.49	112.70	112.72	112.70	112.67	112.63
Gulf	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Hamilton	15.40	15.45	15.66	15.79	15.95	16.22	16.30
Hardee	47.90	47.70	46.76	46.30	45.83	45.28	44.72
Hendry	222.20	221.99	221.64	221.38	220.75	220.50	220.11
Hernando	2.06	2.06	2.06	2.06	2.06	2.07	2.07
Highlands	87.13	86.25	83.58	81.40	79.07	76.50	73.99
Hillsborough	43.68	43.12	41.28	39.36	37.85	36.29	34.98
Holmes	0.93	0.93	0.92	0.92	0.92	0.91	0.91
Indian River	23.46	22.96	21.69	20.71	19.72	18.73	17.57
Jackson	31.86	31.79	31.93	31.97	32.05	32.18	32.18
Jefferson	4.26	4.24	4.23	4.23	4.21	4.20	4.18
Lafayette	13.02	13.22	13.86	14.42	15.18	16.16	16.71
Lake	15.37	15.06	14.17	13.21	12.31	11.43	10.60
Lee	18.45	17.90	16.49	15.25	14.50	13.66	12.61
Leon	0.46	0.45	0.45	0.45	0.45	0.45	0.45
Levy	28.62	28.86	29.66	30.28	30.80	31.72	32.21
Liberty	0.11	0.10	0.10	0.10	0.10	0.10	0.10
Madison	23.91	24.04	24.55	24.91	25.46	26.10	26.43
Manatee	45.80	45.64	44.67	43.73	43.14	42.50	41.90
Marion	10.51	10.24	9.85	9.38	8.64	8.17	7.87
Martin	62.49	61.24	59.36	57.57	55.86	54.05	52.78

County	Total Water Use						
	2023	2025	2030	2035	2040	2045	2050
Miami-Dade	79.85	79.89	79.90	79.93	79.96	80.03	80.03
Monroe	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Nassau	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Okaloosa	0.49	0.49	0.49	0.50	0.50	0.49	0.49
Okeechobee	27.76	27.17	25.43	23.98	22.91	21.79	20.57
Orange	5.45	5.34	4.95	4.59	4.04	3.63	3.09
Osceola	27.94	29.61	30.02	30.56	31.01	31.57	31.52
Palm Beach	452.44	452.48	452.49	452.49	452.52	452.53	452.55
Pasco	2.89	2.61	2.05	1.77	1.44	1.04	1.04
Pinellas	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Polk	66.21	65.67	63.55	62.35	60.92	59.30	57.67
Putnam	13.76	13.76	13.75	13.76	13.78	13.77	13.78
Santa Rosa	1.97	2.10	2.40	2.63	2.92	3.32	3.72
Sarasota	4.01	4.01	4.00	4.01	4.01	4.00	4.00
Seminole	1.89	1.82	1.65	1.30	0.81	0.60	0.60
St. Johns	22.31	22.21	21.91	21.62	21.38	21.17	20.87
St. Lucie	39.96	39.81	39.33	38.93	38.54	37.99	37.11
Sumter	5.96	5.96	5.94	5.94	5.93	5.92	5.90
Suwannee	40.98	41.13	41.87	42.44	43.08	44.00	44.48
Taylor	0.71	0.71	0.70	0.70	0.70	0.68	0.68
Union	1.12	1.11	1.11	1.11	1.10	1.10	1.09
Volusia	17.55	17.44	17.04	16.67	16.28	15.84	15.49
Wakulla	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Walton	1.18	1.17	1.17	1.17	1.17	1.17	1.16
Washington	0.84	0.83	0.82	0.82	0.81	0.80	0.79
Total	1,872	1,883	1,879	1,865	1,850	1,838	1,823