
Appendix I
Water Conservation and Water Reuse Survey Results

Summary of Conservation-Related Questionnaire Responses

Utility	County	Planning Region	Conservation Rate Structure (residential)	Landscape irrigation restrictions	Low volume plumbing building codes	Xeriscape landscape ordinances	Leak detection programs	Water conservation public education	Water shortage plan	Reuse efforts	Other (current unless otherwise noted)
Escambia County Utilities	Escambia	1	=				X	X	X	X	
Destin	Okaloosa	2	+	*	*	*	X	X	*	X	
Fort Walton Beach	Okaloosa	2	+		X	X	X	X	*	X	
Hurlburt Field	Okaloosa	2	N/A	*	X		X	X		*	
Mary Esther	Okaloosa	2	+			X		X	*	X	
Niceville	Okaloosa	2	+	*	X	*	*	X	X	X	Planned: surface water drafting
OCWS - Bluewater	Okaloosa	2	=		X	X	X	X		*	
OCWS - Garniers	Okaloosa	2	=		X	X	X	X		*	
OCWS - Mid County	Okaloosa	2	=		X		X	X			
OCWS - West	Okaloosa	2	=		X	X	X	X			
Valparaiso	Okaloosa	2	=		X						
Midway	Santa Rosa	2	+	*				*		X	Escalating water rates for high end users
Milton	Santa Rosa	2		X				X	*		
Navarre Beach	Santa Rosa	2		*	X	*	*	*	*		
Point Baker	Santa Rosa	2	=								
Florida Community Services	Walton	2	N/A	X	X	*	X	X	X	X	Punitive rate schedule to discourage landscape irrigation
South Walton Utilities	Walton	2	+	X	X		*		*	X	
Bay County Public Utilities	Bay	3									
Lynn Haven	Bay	3	=		X					*	
Parker	Bay	3			X		X	*	X		
Springfield	Bay	3	=								
Tyndall AFB	Bay	3	N/A							*	
Graceville	Jackson	4	=								
Alligator Point	Franklin	5	+					X			Planned: meter all customer
Eastpoint	Franklin	5								X	
Lanark Village	Franklin	5	=		X		*	X			Planned: meter all customer
Lighthouse Utilities	Gulf	5	=			*	X	X			
Florida State Hospital	Gadsden	6									Landscape designed with low maintenance plants with minimum irrigation requirements. All irrigation on timers for efficient use of water
Greensboro	Gadsden	6									
Havana	Gadsden	6	=				X	X			
Talquin - Gadsden Regional	Gadsden	6	+								
Monticello	Jefferson	7									
Tallahassee	Leon	7									
Talquin - Bradfordville	Leon	7	+	X	X	*	X	X	X	*	
Talquin - Lake Jackson	Leon	7	+	X	X	*	X	X	X	*	
Talquin - Leon East	Leon	7	+	X	X	*	X	X	X	*	
Talquin - Leon South	Leon	7	+	X	X	*	X	X	X		
Talquin - Pineridge	Leon	7	+	X	X	*	X	X	X		
Sopchoppy	Wakulla	7	-								
Talquin - Gulf Coast	Wakulla	7	+	X	X	*	X	X	X	*	

X Current

* Planned

N/A Not Applicable

= Flat rate structure

- (-) Rate structure (increased water use=lower rates)

+ (+) Rate structure (increased water use=higher rates)

If user is listed with blank spaces, then information concerning programs was not provided through the questionnaire

For users not listed, no survey was received

DEP Annual Reuse Reports Summary

	Facility Name	Location	County	Planning Region	DEP ID#	Disinfection Level	Capacity in Mgal/d	Avg Flow 1996	Reuse Type	SubType	Area in Acres
1	ECU - Bayou Marcus Water Reclamation Facility	Pensacola	Escambia	1	1017C02213	basic	2.000	1.599	Industrial	Treatment plant	N/A
2	ECU - Cantonment WWTP	Cantonment	Escambia	1	1017C72366	basic	0.700	0.449	Industrial	Treatment plant	N/A
3	ECU - Main Street WWTP	Pensacola	Escambia	1	1017M01012	basic	20.000	15.880	Industrial	Treatment plant	N/A
4	ECU - Pensacola Beach WWTP	Pensacola Beach	Escambia	1	1017M10769	IM	2.400	0.760	Industrial	Treatment plant	N/A
5	Moreno Court WWTP	Pensacola	Escambia	1	FLA010049001	Low	0.140	0.056	GW recharge	Rapid infiltration basins	1.35
6	Crestview WWTP, Spray Field System	Crestview	Okaloosa	2	1046M08287	basic	2.100	1.245	Ag. Irrigation	Other crops	240
7	Destin Water Users	Destin	Okaloosa	2	1046P01503	H1	1.200	0.350	Public access	Golf course irrigation	153.1
8	Destin Water Users	Destin	Okaloosa	2	1046P01504	H1	0.658	0.250	Public access	Other public access	90
9	Destin Water Users	Destin	Okaloosa	2	1046P01505	H1	0.300	0.094	GW recharge	Absorption fields	7.01
10	Fort Walton Beach Municipal Golf Course	Fort Walton Beach	Okaloosa	2	1046M05905	basic	3.100	2.911	Public access	Other Public Access	428
11	Fort Walton Beach Municipal Golf Course	Fort Walton Beach	Okaloosa	2	1046M05906	H1	1.550	0.407	Public access	Golf course irrigation	330
12	Hurlburt Field - East Bay Swamp (receiving wetland)	Mary Esther	Okaloosa	2	FLA010187	basic	1.000	0.669	Wetlands	N/A	660
13	Mary Esther Sprayfield	Mary Esther	Okaloosa	2	FLA010191	0.5	1.100	0.645	Ag. Irrigation	Other crops	180
14	NVOC Regional Sewer Board	Niceville	Okaloosa	2	FLA010185	basic	3.000	2.200	Ag. Irrigation	Hay	290
15	NVOC Regional Sewer Board	Niceville	Okaloosa	2	FLA010186	H1	0.650	0.397	Public access	Golf course irrigation	69
16	NVOC Regional Sewer Board	Niceville	Okaloosa	2	FLA010187	H	0.068		Public access	Other public access	5
17	OCWS - Garniers WWTF	Ft. Walton Beach	Okaloosa	2	FLA010184	H1	6.500	4.360	Ag. Irrigation	Other crops	
18	OCWS - Russel F. W. Stephenson WWTP	Mary Esther	Okaloosa	2	FLA010182	0.5	1.000	0.419	GW recharge	Rapid infiltration basins	
19	Okaloosa Correctional Institution	Crestview	Okaloosa	2	1046M08287	basic	2.100	1.245	Ag. Irrigation	Other crops	240
20	Okaloosa Correctional Institution	Crestview	Okaloosa	2	1046S35991	basic	0.225	0.104	GW recharge	Absorption fields	10
21	Holley Navarre Water System Franchise Area	Navarre	Santa Rosa	2	FLA010211	HL	0.500	0.379	Public access	Golf course irrigation	93.6
22	Navarre Beach Wastewater Reuse System	Navarre Beach	Santa Rosa	2	1017C10770	IM	0.932	0.162	Industrial	Treatment plant	N/A
23	Stonebrook Golf Course	Pace	Santa Rosa	2	1057P07643	H1	0.450	0.300	Public access	Golf course irrigation	190
24	Tiger Point Golf Course	Gulf Breeze	Santa Rosa	2	FLA010212001	H1	2.000	1.172	Public access	Golf course irrigation	225
25	Freepport WWTP	Freepport	Walton	2	1066M02902	basic	0.150	0.090	GW recharge	Rapid infiltration basins	1.91
26	Pt. Washington WWTP	Seagrove	Walton	2	FLA010252	basic	0.567	0.225	GW recharge	Rapid infiltration basins	18.46
27	Sandestin WWTF	Sandestin Beach Resort	Walton	2	1066P05959	H1	1.200	0.764	Public access	Golf course irrigation	482
28	South Walton Utilities - Emerald Bay, Inc. ROW	Destin	Walton	2	1066P02421	H1	0.909	0.233	Public access	Golf course irrigation	117.24
29	South Walton Utilities - Emerald Shores	Destin	Walton	2	1066P02422	H1	0.060	0.011	Public access	Other public access	7.7
30	South Walton Utilities - percolation ponds	Destin	Walton	2	1066P02423	H1	2.500	0.463	GW recharge	Absorption fields	19.768
31	Walton Correctional Institution		Walton	2	FLA01025401	basic	0.175	0.148	GW recharge	Rapid infiltration basins	20
32	Bay Point Golf Course	Panama City Beach	Bay	3	1003P00098	H1	0.500	0.238	Public access	Golf course irrigation	95
33	Jackson Correctional Institution	Malone	Jackson	4	1032504181	0.8	0.220	0.214	Ag. Irrigation	Sod	27.5
34	Sneads Irrigation Field	Sneads	Jackson	4	FLA010115		0.495	0.566	Ag. Irrigation	Other crops	20
35	Washington Correctional Institution	Greenhead	Washington	4	FLA010260	basic	0.270	0.105	GW recharge	Absorption fields	3.3
36	Carabelle WWTP	Carabelle	Franklin	5	FLA010064	basic	0.300	0.181	Ag. Irrigation	Other crops	30.06
37	Eastpoint Water and Sewer	Eastpoint	Franklin	5	1019M19040		0.165	0.210	Ag. Irrigation	Other crops	23
38	Lanark Village WWTP	Lanark Village	Franklin	5	1019M19050	basic	0.100	0.081	Ag. Irrigation	Other crops	18
39	Gulf Correctional Institution	Wewahitchka	Gulf	5	FLA010105	basic	0.350	0.004	Ag. Irrigation	Other crops	36.8
40	Jefferson Correctional Institution	Monticello	Jefferson	7	3133S02670		0.180	0.120	Ag. Irrigation	Other crops	1.9
41	Tallahassee SE Farm Facility (Lake Bradford Rd WWTF)	Tallahassee	Leon	7	FLA010140	basic	4.500	3.210	Ag. Irrigation	Other crops	1995
42	Tallahassee SE Farm Facility (Thomas P. Smith WWTF)	Tallahassee	Leon	7	FLA010139	basic	27.500	13.650	----- included above -----		
43	Talquin - Killearn Lakes WWTP	Tallahassee	Leon	7	FLA010173	basic	0.350	0.218	Ag. Irrigation	Other crops	120
44	Talquin - Lake Jackson WWTP	Tallahassee	Leon	7	FLA010171	basic	0.560	0.202	GW recharge	Rapid infiltration basins	6.16

Source: Florida Department of Environmental Protection Annual Reuse Reports, 1996

Appendix 2
Data Collection Questionnaires and Mailing List

USGS/NFWMD GOLF COURSE QUESTIONNAIRE

Golf Course Name _____ Date _____
Contact _____ Title _____
Phone _____ County _____
NFWMD Consumptive Use Permit Number _____

Existing Facilities

1. Golf course location (street address) _____

2. Year established _____ Previous Name _____

3. Total acreage _____ Acres irrigated _____ Number of holes _____

4. Source of irrigation water

- | | | |
|--|--|--|
| <input type="checkbox"/> Ground | <input type="checkbox"/> Surface | <input type="checkbox"/> Purchased or provided |
| # Wells _____ | Source _____ | Source _____ |
| <input type="checkbox"/> Floridan aquifer | <input type="checkbox"/> Natural | <input type="checkbox"/> Reuse |
| <input type="checkbox"/> Sand and gravel aquifer | <input type="checkbox"/> Holding/recovery pond | <input type="checkbox"/> Public supply |
| <input type="checkbox"/> Surficial | Is the surface water augmented by wells | |
| <input type="checkbox"/> Unknown | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

5. Is the irrigation system metered Yes No

6. Source of potable (drinking) water

- | | | |
|--|----------------------------------|------------------------------------|
| <input type="checkbox"/> Ground | <input type="checkbox"/> Surface | <input type="checkbox"/> Purchased |
| # Wells _____ | Source _____ | Source _____ |
| <input type="checkbox"/> Floridan aquifer | | |
| <input type="checkbox"/> Sand and gravel aquifer | | |
| <input type="checkbox"/> Surficial | | |
| <input type="checkbox"/> Unknown | | |

7. Total design capacity of irrigation system _____

8. Is the irrigation system interconnected with any other utility or facility Yes No

Who _____

USGS/NFWMD GOLF COURSE QUESTIONNAIRE

Golf Course Name _____ Date _____
 Contact _____ Title _____
 Phone _____ County _____
 NFWMD Consumptive Use Permit Number _____

Existing Demand

	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>Units</u>
9. Total annual metered water used, if available	_____	_____	_____	_____
10. Total annual non-metered water used	_____	_____	_____	_____
Method used to estimate non-metered water	_____			

	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>Units</u>
11. Total annual amount of water applied <u>per acre in inches</u>	_____	_____	_____	_____
12. Estimated percent from each source				
A. Ground	_____	_____	_____	
B. Surface	_____	_____	_____	
C. Reuse	_____	_____	_____	
D. Public Supply	_____	_____	_____	
13. A. Peak month	_____	_____	_____	
B. Amount used that month	_____	_____	_____	_____
14. A. Peak day	_____	_____	_____	
B. Amount used that day	_____	_____	_____	_____

USGS/NFWMD GOLF COURSE QUESTIONNAIRE

Golf Course Name _____ Date _____
 Contact _____ Title _____
 Phone _____ County _____
 NFWMD Consumptive Use Permit Number _____

Future Demand and Facilities

YEAR	<u>2000</u>	<u>2010</u>	<u>2020</u>	<u>Units</u>
15. Projected future annual demand	_____	_____	_____	_____
16. Projected average daily use	_____	_____	_____	_____
17. Projected maximum day	_____	_____	_____	_____
18. Do you project changes in your irrigated acreage (more or less)	_____	_____	_____	_____

19. Will you meet the demands for these years with your current

	<u>2000</u>	<u>2010</u>	<u>2020</u>
Capacity	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sources	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

20. If not, how will you meet future demands (volume and anticipated year)
- | | | | |
|--|---|---------------------------------------|--------------------------------|
| <input type="checkbox"/> Expanding water sources | <input type="checkbox"/> Expanding facilities | <input type="checkbox"/> Conservation | <input type="checkbox"/> Reuse |
| Year _____ | Year _____ | Year _____ | Year _____ |
| Amount _____ | Amount _____ | Amount _____ | Amount _____ |
| <input type="checkbox"/> Ground | | | |
| <input type="checkbox"/> Surface | | | |
| <input type="checkbox"/> Purchase | | | |

21. What changes are planned for your water system and what year are they anticipated

USGS/NFWFMD GOLF COURSE QUESTIONNAIRE

Golf Course Name _____ Date _____
Contact _____ Title _____
Phone _____ County _____
NFWFMD Consumptive Use Permit Number _____

Water Conservation Efforts

22. If in the event of extremely dry conditions, what would be the minimum amount of water, or frequency of irrigation, that you would need

23. If reclaimed wastewater was available to you over the next five years, would you use it as your primary source of irrigation water

Yes No

If no, why not

Additional Information

Please return to:

Richard L. Marella
USGS Water Resources Division
227 N. Bronough Street, Suite 3015
Tallahassee, FL 32301

Thank you for your time and effort. If you have any questions please call Richard Marella at (904) 942-9500 ext. 3004

Prepared by

Name _____ Title _____

Date _____ Mailed / Visited

USGS/NFWMD INDUSTRIAL QUESTIONNAIRE

Company Name _____ Date _____
 Contact _____ Title _____
 Phone _____ County _____
 NFWMD Consumptive Use Permit Number _____ DEP ID _____

Existing Facilities

1. Year established _____ Previous Name _____

2. Source of water used for **processing or cooling purposes**

- | | | |
|--|----------------------------------|--|
| <input type="checkbox"/> Ground | <input type="checkbox"/> Surface | <input type="checkbox"/> Purchased or provided |
| # Wells _____ | Source _____ | Source _____ |
| <input type="checkbox"/> Floridan aquifer | | <input type="checkbox"/> Reuse |
| <input type="checkbox"/> Sand and gravel aquifer | | <input type="checkbox"/> Public supply |
| <input type="checkbox"/> Surficial | | |
| <input type="checkbox"/> Unknown | | |

3. Source of **potable (drinking) water**

- | | | |
|--|----------------------------------|--|
| <input type="checkbox"/> Ground | <input type="checkbox"/> Surface | <input type="checkbox"/> Purchased or provided |
| # Wells _____ | Source _____ | Source _____ |
| <input type="checkbox"/> Floridan aquifer | | |
| <input type="checkbox"/> Sand and gravel aquifer | | |
| <input type="checkbox"/> Surficial | | |
| <input type="checkbox"/> Unknown | | |

	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>Units</u>
4. Total system design capacity				
A. Processing/Cooling	_____	_____	_____	_____
B. Drinking/Domestic	_____	_____	_____	_____

USGS/NFWMD INDUSTRIAL QUESTIONNAIRE

Company Name _____ Date _____
 Contact _____ Title _____
 Phone _____ County _____
 NFWMD Consumptive Use Permit Number _____ DEP ID _____

Existing Demand

	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>Units</u>
5. A. Total amount of water used	_____	_____	_____	_____
B. Domestic purposes	_____	_____	_____	_____
C. Cooling purposes	_____	_____	_____	_____
D. Processing purposes	_____	_____	_____	_____
E. Other (specify) _____	_____	_____	_____	_____
6. Amount of water withdrawn	_____	_____	_____	_____
7. Amount of water purchased	_____	_____	_____	_____
8. Maximum day				
Volume	_____	_____	_____	_____
Date	_____	_____	_____	_____
9. Minimum day				
Volume	_____	_____	_____	_____
Date	_____	_____	_____	_____
		<u>Date</u>	<u>Amount</u>	<u>Units</u>
10 A. Maximum day on record since 1985		_____	_____	_____
Event or cause _____				
B. Maximum month on record since 1985		_____	_____	_____
C. Maximum three month period on record since 1985		_____	_____	_____
11. Is water recirculated for other uses	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
If yes, approximately how much water is recirculated (amount or percent)	_____			

USGS/NFWMD INDUSTRIAL QUESTIONNAIRE

Company Name _____ Date _____
 Contact _____ Title _____
 Phone _____ County _____
 NFWMD Consumptive Use Permit Number _____ DEP ID _____

Future Demand and Facilities

	YEAR	<u>2000</u>	<u>2010</u>	<u>2020</u>	<u>Units</u>
12. Projected average daily use		_____	_____	_____	_____
A. Domestic purposes		_____	_____	_____	_____
B. Cooling purposes		_____	_____	_____	_____
C. Processing purposes		_____	_____	_____	_____
D. Other (specify) _____		_____	_____	_____	_____
13. Projected maximum day		_____	_____	_____	_____

	<u>2000</u>	<u>2010</u>	<u>2020</u>
14. Will you meet the demands for these years with your current			
Capacity	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sources	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

- 15. If not, how will you meet future demands (volume and anticipated year)**
- | | | | |
|--|---|---------------------------------------|--------------------------------|
| <input type="checkbox"/> Expanding water sources | <input type="checkbox"/> Expanding facilities | <input type="checkbox"/> Conservation | <input type="checkbox"/> Reuse |
| Year _____ | Year _____ | Year _____ | Year _____ |
| Amount _____ | Amount _____ | Amount _____ | Amount _____ |
- Ground
 Surface
 Purchase

16. What changes are planned for your water system and what year are they anticipated

17. What changes are planned for your facility (expansion, downtime) and what year are they anticipated

USGS/NFWMD INDUSTRIAL QUESTIONNAIRE

Company Name _____ Date _____
Contact _____ Title _____
Phone _____ County _____
NFWMD Consumptive Use Permit Number _____ DEP ID _____

Water Conservation Efforts

18. What water conservation programs or actions do you currently have or use

19. If reclaimed wastewater was available to you over the next five years would or could you use it as a source of water for cooling or processing

Yes No

If no, why not

Additional Information

Please return to:

Richard L. Marella
USGS Water Resources Division
227 N. Bronough Street, Suite 3015
Tallahassee, FL 32301

Thank you for your time and effort. If you have any questions please call Richard Marella at (904) 942-9500 ext. 3004

Prepared by

Name _____ Title _____

Date _____ Mailed / Visited

USGS/NFWMD POWER GENERATION QUESTIONNAIRE

Company Name _____ Date _____
 Contact _____ Title _____
 Phone _____ County _____
 NFWMD Consumptive Use Permit Number _____ DEP ID _____

Existing Facilities

1. Year built _____ Previous Name _____

2. Source of water used for **processing or cooling purposes**

- | | | |
|--|----------------------------------|--|
| <input type="checkbox"/> Ground | <input type="checkbox"/> Surface | <input type="checkbox"/> Purchased or provided |
| # Wells _____ | Source _____ | Source _____ |
| <input type="checkbox"/> Floridan aquifer | | <input type="checkbox"/> Reuse |
| <input type="checkbox"/> Sand and gravel aquifer | | <input type="checkbox"/> Public supply |
| <input type="checkbox"/> Surficial | | |
| <input type="checkbox"/> Unknown | | |

3. Source of **potable (drinking) water**

- | | | |
|--|----------------------------------|--|
| <input type="checkbox"/> Ground | <input type="checkbox"/> Surface | <input type="checkbox"/> Purchased or provided |
| # Wells _____ | Source _____ | Source _____ |
| <input type="checkbox"/> Floridan aquifer | | |
| <input type="checkbox"/> Sand and gravel aquifer | | |
| <input type="checkbox"/> Surficial | | |
| <input type="checkbox"/> Unknown | | |

	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>Units</u>
4. Total system design capacity				
A. Processing/Cooling	_____	_____	_____	_____
B. Drinking/Domestic	_____	_____	_____	_____

USGS/NFWMD POWER GENERATION QUESTIONNAIRE

Company Name _____ Date _____
 Contact _____ Title _____
 Phone _____ County _____
 NFWMD Consumptive Use Permit Number _____ DEP ID _____

Existing Demand

	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>Units</u>
5. A. Total amount of water used	_____	_____	_____	_____
B. Domestic purposes	_____	_____	_____	_____
C. Cooling purposes	_____	_____	_____	_____
D. Processing purposes	_____	_____	_____	_____
E. Other (specify) _____	_____	_____	_____	_____
6. Amount of water withdrawn	_____	_____	_____	_____
7. Amount of water purchased	_____	_____	_____	_____
8. Maximum day				
Volume	_____	_____	_____	_____
Date	_____	_____	_____	
9. Minimum day				
Volume	_____	_____	_____	_____
Date	_____	_____	_____	
		<u>Date</u>	<u>Amount</u>	<u>Units</u>
10 A. Maximum day on record since 1985		_____	_____	_____
Event or cause _____				
B. Maximum month on record since 1985		_____	_____	_____
C. Maximum three month period on record since 1985		_____	_____	_____
11. Is water recirculated for other uses	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
If yes, approximately how much water is recirculated (amount or percent)	_____			

USGS/NFWMD POWER GENERATION QUESTIONNAIRE

Company Name _____ Date _____
 Contact _____ Title _____
 Phone _____ County _____
 NFWMD Consumptive Use Permit Number _____ DEP ID _____

Future Demand and Facilities

YEAR	<u>2000</u>	<u>2010</u>	<u>2020</u>	<u>Units</u>
12. Projected average daily use	_____	_____	_____	_____
A. Domestic purposes	_____	_____	_____	_____
B. Cooling purposes	_____	_____	_____	_____
C. Processing purposes	_____	_____	_____	_____
D. Other (specify) _____	_____	_____	_____	_____
13. Projected maximum day	_____	_____	_____	_____

14. Will you meet the demands for these years with your current	<u>2000</u>	<u>2010</u>	<u>2020</u>	
Capacity	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sources	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

- 15. If not, how will you meet future demands (volume and anticipated year)**
- | | | | |
|--|---|---------------------------------------|--------------------------------|
| <input type="checkbox"/> Expanding water sources | <input type="checkbox"/> Expanding facilities | <input type="checkbox"/> Conservation | <input type="checkbox"/> Reuse |
| Year _____ | Year _____ | Year _____ | Year _____ |
| Amount _____ | Amount _____ | Amount _____ | Amount _____ |
- Ground
 Surface
 Purchase

16. What changes are planned for your water system and what year are they anticipated

17. What changes are planned for your facility (expansion, downtime) and what year are they anticipated

USGS/NFWFMD POWER GENERATION QUESTIONNAIRE

Company Name _____ Date _____
Contact _____ Title _____
Phone _____ County _____
NFWFMD Consumptive Use Permit Number _____ DEP ID _____

Water Conservation Efforts

18. What water conservation programs or actions do you currently have or use

19. If reclaimed wastewater was available to you over the next five years would or could you use it as a source of water for cooling or processing

Yes No

If no, why not

Additional Information

Please return to:

Richard L. Marella
USGS Water Resources Division
227 N. Bronough Street, Suite 3015
Tallahassee, FL 32301

Thank you for your time and effort. If you have any questions please call Richard Marella at (904) 942-9500 ext. 3004

Prepared by

Name _____ Title _____

Date _____ Mailed / Visited

USGS/NFWWMD PUBLIC SUPPLY QUESTIONNAIRE

Utility Name _____ Date _____
 Contact _____ Title _____
 Phone _____ County _____
 NFWWMD Consumptive Use Permit Number _____ DEP ID _____

Existing Facilities

1. Source of water

- Ground Surface Purchased
 # Wells _____ Source _____ Source _____
 Floridan aquifer
 Sand and gravel aquifer
 Surficial
 Unknown

1994 1995 1996 Units

2. Total system design capacity _____ _____ _____ _____

3. Is the system interconnected with another utility or facility? Yes No

Who _____ Size (Line diameter) _____

Existing Demand

1994 1995 1996 Units

- 4. A. Raw water produced (withdrawn)** _____ _____ _____ _____
- B. Water purchased (raw or treated)** _____ _____ _____ _____
- C. Water sold wholesale (raw or treated)** _____ _____ _____ _____
- D. Total water to distribution system** _____ _____ _____ _____

USGS/NFWMD PUBLIC SUPPLY QUESTIONNAIRE

Utility Name _____ Date _____
 Contact _____ Title _____
 Phone _____ County _____
 NFWMD Consumptive Use Permit Number _____ DEP ID _____

Existing Demand (Continued)

	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>Month</u>
5. Estimated Population served	_____	_____	_____	_____
6. Total number of service connections	_____	_____	_____	_____
A. Residential	_____	_____	_____	_____
B. Commercial	_____	_____	_____	_____
C. Industrial	_____	_____	_____	_____
D. Other (specify) _____	_____	_____	_____	_____
E. Unmetered connections	_____	_____	_____	_____

	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>Units</u>
7. Amount of water billed for	_____	_____	_____	_____
8. Amount of water lost/unaccounted for	_____	_____	_____	_____
9. Maximum day	Volume _____	_____	_____	_____
	Date _____	_____	_____	_____
10. Minimum day	Volume _____	_____	_____	_____
	Date _____	_____	_____	_____

	<u>Date</u>	<u>Amount</u>	<u>Units</u>
11. A. Maximum day on record since 1985	_____	_____	_____
Event or cause _____			
B. Maximum month on record since 1985	_____	_____	_____
C. Maximum three month period on record since 1985	_____	_____	_____

USGS/NFWMD PUBLIC SUPPLY QUESTIONNAIRE

Utility Name _____ Date _____
 Contact _____ Title _____
 Phone _____ County _____
 NFWMD Consumptive Use Permit Number _____ DEP ID _____

Future Demand and Facilities

	<u>2000</u>	<u>2010</u>	<u>2020</u>	<u>Units</u>
12. Projected population served	_____	_____	_____	
13. Projected service connections	_____	_____	_____	
14. Projected average daily use	_____	_____	_____	_____
15. Projected maximum day	_____	_____	_____	_____
16. Projected capacity	_____	_____	_____	_____

17. Will you meet the demands for these years with your current

	<u>2000</u>	<u>2010</u>	<u>2020</u>
Capacity	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sources	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

18. If not, how will you meet future demands (anticipated year and amount)

- | | | | |
|--|---|---------------------------------------|--------------------------------|
| <input type="checkbox"/> Expanding water sources | <input type="checkbox"/> Expanding facilities | <input type="checkbox"/> Conservation | <input type="checkbox"/> Reuse |
| Year _____ | Year _____ | Year _____ | Year _____ |
| Amount _____ | Amount _____ | Amount _____ | Amount _____ |
- Ground
 Surface
 Purchase

USGS/NFWMD PUBLIC SUPPLY QUESTIONNAIRE

Utility Name _____ Date _____
Contact _____ Title _____
Phone _____ County _____
NFWMD Consumptive Use Permit Number _____ DEP ID _____

Water Conservation Efforts

19. Please indicate which water conservation programs are currently in place or planned

Current	Planned	Effective Date (or anticipated date)	
<input type="checkbox"/>	<input type="checkbox"/>	_____	Restrictions on landscape irrigation
<input type="checkbox"/>	<input type="checkbox"/>	_____	Building codes which require low-volume plumbing fixtures
<input type="checkbox"/>	<input type="checkbox"/>	_____	Xeriscape landscape ordinances
<input type="checkbox"/>	<input type="checkbox"/>	_____	Leak detection programs
<input type="checkbox"/>	<input type="checkbox"/>	_____	Water conservation public education programs
<input type="checkbox"/>	<input type="checkbox"/>	_____	Water shortage plan or guidelines in the event of dry conditions
<input type="checkbox"/>	<input type="checkbox"/>	_____	Reuse efforts
<input type="checkbox"/>	<input type="checkbox"/>	_____	Other (explain) _____

Additional Information

Please attach a copy of the following information:

1. Rate Structure or current rates for water customers
2. Most recent map of your potable water service area

Please return to:

Richard L. Marella
USGS Water Resources Division
227 N. Bronough Street, Suite 3015
Tallahassee, FL 32301

Thank you for your time and effort. If you have any questions please call Richard Marella at (904) 942-9500 ext. 3004

Prepared by

Name _____ Title _____

Date _____ Mailed / Visited _____

Commercial-industrial questionnaire list

FINAL 6/15/98

Utility/Owner/Plant	Plant/Facility	Questionnaire		County	Region	ASC
		Contacted	Replied			
Arizona Chemicals	Bay County Plant	Visit	Yes	Bay	III	4
Stone Container		Mail	Yes	Bay	IV	
Champion International Paper		Visit	Yes	Escambia	I	
Monsanto Chemicals		Visit	Yes	Escambia	I	
U.S. Navy	Pensacola NAS	Mail	Yes	Escambia	I	
Quincy Corp. Inc. (Quincy Farms)		Visit	Yes	Gadsden	VI	
Arizona Chemicals	Port St. Joe Plant	Visit	Yes	Gulf	V	2
Florida Coast Paper Co., LLC		Visit	Yes	Gulf	V	2
U.S. Air Force	Eglin Air Force Base	Visit	Yes	Okaloosa	II	1
U.S. Air Force	Hurlburt Field	Visit	Yes	Okaloosa	II	1
Air Products Incorporated		Visit	Yes	Santa Rosa	II	
Sterling Fibers, Inc.		Visit	Yes	Santa Rosa	II	
Primex Technologies	St. Marks Plant	Visit	Yes	Wakulla	VII	
Perdue Farms		Visit	Yes	Walton	II	1

Golf course questionnaire list

FINAL 6/15/98

Name/Owner	Facility	Questionnaire		County	Region	ASC
		Contacted	Replied			
Bay Point Yacht and Country Club		Mail		Bay	III	4
Club at Sandy Creek, The		Mail	Yes	Bay	III	
Edgewater Beach Resort Golf Course		Mail		Bay	III	4
Holiday Golf and Racquet Club		Mail		Bay	III	4
Hombre Golf Club (Edgewater Estates)		Mail		Bay	III	
Majette Dunes Golf and Country Club	City Sports	Mail		Bay	III	
Panama City Country Club		Mail		Bay	III	
Signal Hill Golf Course		Mail		Bay	III	
U.S. Air Force	Tyndall/Pelican Point GC			Bay	III	
A. C. Read Golf Club		Mail	Yes	Escambia	I	
Champions Golf Club		Mail		Escambia	I	
Creekside Golf Club		Mail		Escambia	I	
Green Meadows Golf Course		Mail		Escambia	I	
Marcus Pointe Golf Course		Mail		Escambia	I	
Monsanto Employees Golf Association		Mail	Yes	Escambia	I	
Pensacola Country Club		Mail	Yes	Escambia	I	
Pensacola, City of	Osceola Municipal Golf Course	Mail		Escambia	I	
Perdido Bay Resort		Mail		Escambia	I	
Scenic Hills Country Club		Mail		Escambia	I	
U.S. Navy	Saufley Golf Course	Mail		Escambia	I	
Golf Club of Quincy		Mail		Gadsden	VI	
Seminole Valley Golf Course		Mail	Yes	Gadsden	VI	
Saint Josephs Bay Country Club		Mail		Gulf	V	2
Bonifay Country Club		Mail		Holmes	IV	
Florida Caverns Golf Course		Phone		Jackson	IV	
Great Oaks Golf Course		Mail		Jackson	IV	
Magnolia Oaks Golf Course		Mail	Yes	Jackson	IV	
Jefferson Country Club		Mail	Yes	Jefferson	VII	
Capital City Country Club		Mail	Yes	Leon	VII	
Golden Eagle Country Club		Mail	Yes	Leon	VII	
Hilaman Park Golf Club		Mail		Leon	VII	
Killearn Golf and Contry Club		Mail	Yes	Leon	VII	
Seminole Golf Course		Mail		Leon	VII	
Summerbrooke Golf and Country Club		Mail	Yes	Leon	VII	
Emerald Bay Plantation		Mail	Yes	Oka/Walton	II	1
Garden of Destin, The		Mail		Oka/Walton	II	1
Indian Bayou Golf and Country Club		Mail		Oka/Walton	II	1
Sandpiper Cove Golf Course		Mail		Oka/Walton	II	1
Seascape Resort, Incorporated.		Visit		Oka/Walton	II	1
Bluewater Bay Country Club		Visit	Yes	Okaloosa	II	1
Fort Walton Beach, City of	Municipal Golf Course	Mail		Okaloosa	II	1
Foxwood Country Club		Mail		Okaloosa	II	
Island Golf Center		Mail	Yes	Okaloosa	II	1
Regatta Bay		Mail	Yes	Okaloosa	II	2
Rocky Bayou Country Club		Mail		Okaloosa	II	1
Shalimar Pointe Golf and Country Club		Mail		Okaloosa	II	1
Shoal River Golf Course		Mail	Yes	Okaloosa	II	
U.S. Air Force	Eglin AFB Golf Course	Visit		Okaloosa	II	1
Club at Hidden Creek, The		Mail		Santa Rosa	II	1
Gator Lakes Golf Course		Mail		Santa Rosa	II	1
Stonebrook Village Golf Course		Mail		Santa Rosa	II	
Tanglewood Golf and Country Club		Mail		Santa Rosa	II	
Tiger Point Golf and Country Club		Mail		Santa Rosa	II	1
U.S. Navy	Whiting Field Golf Course	Mail	Yes	Santa Rosa	II	
Village Golf Center	Stonebridge Golf Course	Mail		Santa Rosa	II	
Wildwood Golf Course		Mail	Yes	Wakulla	VII	
D.I. Developers, Inc.		Mail		Walton	II	1
Sandestin Resort Golf Course		Visit		Walton	II	1
Santa Rosa Golf and Beach Club		Visit	Yes	Walton	II	1
Falling Waters Country Club		Mail	Yes	Washington	IV	
Sunny Hills Golf and Country Club		Mail		Washington	IV	

Utility/Owner/Plant	Plant/Facility	Questionnaire		County	Region	ASC
		Contacted	Replied			
Gulf Power Company	Smith	Visit	Yes	Bay	III	
Gulf Power Company	Crist	Visit	Yes	Escambia	I	
Gulf Power Company	Scholtz	Visit	Yes	Jackson	IV	
Timber Energy		Visit	Yes	Liberty	IV	
City of Tallahassee	Hopkins	Visit	Yes	Leon	VII	
City of Tallahassee	Purdom	Visit	Yes	Wakulla	VII	

Public supply questionnaire list

FINAL 6/15/98

Utility/Owner	Plant/Facility	Questionnaire		County	Region	ASC
		Contacted	Replied			
Bay County Water System		Visit	Yes	Bay	III	
Bayside Park		Mail		Bay	III	2
Callaway, City of		Mail		Bay	III	
Cedar Grove Water System		Mail		Bay	III	
Lynn Haven, City of		Mail	Yes	Bay	III	
Mexico Beach, City of		Visit	Yes	Bay	III	2
Panama City Beach, City of		Visit	Yes	Bay	III	4
Panama City, City of		Mail	Phone	Bay	III	
Parker, City of		Mail	Yes	Bay	III	
Springfield, City of		Mail	Yes	Bay	III	
U.S. Air Force	Tyndall Air Force Base	Mail	Yes	Bay	III	
Escambia County Utilities		Visit	Yes	Escambia	I	
Molino Utilities		Mail	Yes	Escambia	I	
Peoples Water Service Company		Mail		Escambia	I	
Alligator Point Water District		Visit	Yes	Franklin	V	3
Apalachicola, City of		Visit	Yes	Franklin	V	3
Carrabelle, City of		Visit	Yes	Franklin	V	3
Eastpoint Water and Sewer		Visit	Yes	Franklin	V	3
Lanark Village Water and Sewer		Visit	Yes	Franklin	V	3
St. George Island Utility Company		Visit	Yes	Franklin	V	3
Chattahoochee, City of		Mail		Gadsden	VI	
Florida Department of Corrections	Chattahoochee State Hospital	Mail	Yes	Gadsden	VI	
Greensboro, Town of		Visit	Yes	Gadsden	VI	5
Gretna, Town of		Visit	Yes	Gadsden	VI	5
Havana, Town of		Mail	Yes	Gadsden	VI	
Quincy, City of		Visit		Gadsden	VI	5
Talquin Electric Cooperative	Gadsden Regional	Visit	Yes	Gadsden	VI	5
Lighthouse Utilities Company		Visit	Yes	Gulf	V	2
Port St. Joe, City of		Visit	Yes	Gulf	V	2
Bonifay, City of		Mail		Holmes	IV	
Florida Department of Corrections	Apalachee Correctional Facility	Mail		Holmes	IV	
Graceville, City of		Mail	Yes	Jackson	IV	
Marianna, City of		Mail		Jackson	IV	
Monticello, City of		Mail		Jefferson	VII	
Tallahassee, City of		Visit	Yes	Leon	VII	
Talquin Electric Cooperative	Bradfordville Regional	Visit	Yes	Leon	VII	
Talquin Electric Cooperative	Lake Jackson Regional	Visit	Yes	Leon	VII	
Talquin Electric Cooperative	Meadows at Wood Run	Visit	Yes	Leon	VII	
Talquin Electric Cooperative	Pineridge Estates	Visit	Yes	Leon	VII	
Auburn Water System		Mail		Okaloosa	II	
Crestview, City of		Mail		Okaloosa	II	
Destin Water Users Inc.		Visit	Yes	Okaloosa	II	1
Fort Walton Beach, City of		Visit	Yes	Okaloosa	II	1
Mary Esther, City of		Visit	Yes	Okaloosa	II	1
Niceville, City of		Visit	Yes	Okaloosa	II	1
Okaloosa County Water and Sewer		Visit	Yes	Okaloosa	II	1
Valparaiso, city of		Visit	Yes	Okaloosa	II	1
East Milton Water System		Mail		Santa Rosa	II	
Holly/Navarre Water System		Visit	Yes	Santa Rosa	II	1
Midway Water System		Visit	Yes	Santa Rosa	II	1
Milton, City of		Mail	Yes	Santa Rosa	II	
Moore Creek-Mt. Carmel Utilities		Mail		Santa Rosa	II	
Navarre Beach Utility System		Visit	Yes	Santa Rosa	II	1
Pace Water System		Mail		Santa Rosa	II	
Point Baker Water System		Mail	Yes	Santa Rosa	II	
Gulf Coast		Mail	Yes	Wakulla	VII	
Sopchoppy, Town of		Mail	Yes	Wakulla	VII	
DeFuniak Springs, City of		Mail		Walton	II	
Florida Community Services Corporation		Visit	Yes	Walton	II	1
Freeport, City of		Visit		Walton	II	1
South Walton Utility Company		Visit	Yes	Walton	II	1
Chipley, City of		Mail		Washington	IV	

Appendix 3
Technical Memorandum and Projection Flow Chart

June 29, 1998

TO: Douglas Barr, Executive Director
Northwest Florida Water Management District

FROM: Richard L. Marella, Geographer
Tallahassee, Florida

SUBJECT: Technical Memorandum: Methodology for water use projections

The methodologies discussed below will be used to project future water use in the Northwest Florida Water Management District (NFWFMD) for the years 2000, 2005, 2010, and 2020.

Population Projections: The future population for each county will be estimated by projecting the population based on historical aggregate population trends or changes. These projections will be made by fitting a curve to the historical data from the Census and the University of Florida, Bureau of Economic and Business Research (BEBR), and extrapolating it into the future in five year increments (Figure 1). One of six different curves will be fit to the historical data (Linear, Geometric, Parabolic, Modified Exponential, Gompertz, and Logistic). The appropriate curve will be selected based on statistical analysis and past trends, and the resulting projection will be compared against those published by BEBR, in the county comprehensive plans, and other sources (utility or other studies).

Public Supply: Projections for public supply water use will be made by using historical water-use values for a six (1990-96), nine (1988-96), or twelve (1985-96) year period between 1985 and 1996 (based on data reported by DEP, NFWFMD, and the individual utilities). These projections will be made by fitting a curve to the historical data and extrapolating it into the future in five year increments (Figure 2). Six different curves will be fit to the historical data (Linear, Geometric, Parabolic, Modified Exponential, Gompertz, and Logistic). The appropriate curve will be selected based on statistical analysis and past trends, and the resulting projections will be compared against the water use projections provided by the utility. Projections will be made for all utilities greater than 0.01 Mgal/d within each county and Area of Special Concern (ASC). Assumptions

will include a growth trend for each utility that is comparable to past trends (unless build out or expansion is noted through contact with the utility, comprehensive plans, or other sources). Estimates of population served by each utility will be examined by reviewing Census tract populations for 1995 and overlaying the service areas of the individual utilities as well as examining the Affordable Housing Needs Assessment population data calculated by the Schimburg Center. Population data sources will be prioritized in order of validity.

Projected water use values for each utility will be compared to an estimated per capita water use for each utility. The population served for each utility will be projected by taking the estimated population served for the years 1970, 1975, 1980, 1985, 1990, and 1995 by utility and selecting one of the six different curves to project the population served for the years 2000, 2005, 2010, 2015 and 2020 (Figure 3). The population served for these years will then be divided into the projected water use to calculate a utility per capita. If the per capita is appropriate for a particular utility based on historical data and trends, then the water-use projection will be acceptable. If it is not, the utility's projected water use calculations and historical population estimates will be re-examined. Historical population served will be supplied by a number of sources including; USGS data base (from the five year assessment), service connections multiplied by people per household, DEP sanitary surveys, BEBR, CUP, and others.

Peak day, 30-day peak (monthly), and 90-day peak (seasonal) values will be projected using a calculated ratio between the annual daily average water use and the actual peak value per utility for each (peak day, 30-day peak, and 90-day peak) and multiplying it by the projected annual daily average. The peak day, 30-day peak, and 90-day peak will be obtained from historical records from the utilities contacted through the public supply questionnaire, and for the smaller utilities the county average will be applied. The value used as the ratio for each (peak day, 30-day peak, and 90-day peak) will be the actual peak on record since 1985 divided by that year's annual daily average use. For the county totals, the peaks for each utility will be added to determine the total peak usage, regardless if they fell on different years or days. Using the ratio between the annual daily average and the 30-day peak and the 90 day-peak will accommodate for seasonality as these values will reflect the increase in the use of public supply water caused by lawn watering and visitors. Due to the fact that the water demand increase caused by lawn watering and visitors occur during the same time of the year (May through September), it would be difficult to differentiate the demand for each out of the total. Assumptions include that the ratio between the annual average daily use and peak day, 30-day peak, and 90-day peak will remain the same and that all peak events will occur at approximately the same time of year. To verify these values, the trend in ratios will be examined and anomalies will be detailed and will not be used if not valid.

Domestic Self-supplied and small unaccounted for Public Supply Systems: Projections for domestic self-supplied and small unaccounted for public supply systems water use will be made using the percent of the county on public supply and assume the residual population to be self-supplied or served by small public supply systems that are below the 0.01 Mgal/d (systems not accounted for under public supply). The percent of population served by public supply for the past twenty-five years will be examined from data collected from the USGS five year assessment to estimate the future trend. Once the trend in percent of the population served per county is established, the total water use for the county and the self-supplied demands will be calculated. Data on the number of households with individual water systems will be verified against Census data for 1990 and will be checked against the Census tract data for the areas served by public supply. It is assumed that the self-supplied and small public supply population will remain at or near a constant percentage of a county's population, and that those using self-supplied systems or served by a small public supply system use water at a similar rate as those on public supply in each county.

Self-supplied Commercial-Industrial: Projections for the eleven major self-supplied commercial-industrial facilities will be made based upon information provided from the users directly. This will include the annual daily average water use. Peak day, 30-day peak (monthly), and 90-day peak (seasonal) values will be projected using a calculated ratio between the actual peak value per facility for each (peak day, 30-day peak, and 90-day peak) and then multiplying it by the projected annual daily average. Values for the remaining users in this category will be projected using trends from the previous ten years. It is assumed that all industrial users will remain at a constant production level (unless otherwise noted by the users), no major economic changes will occur, and information provided by the users will remain valid.

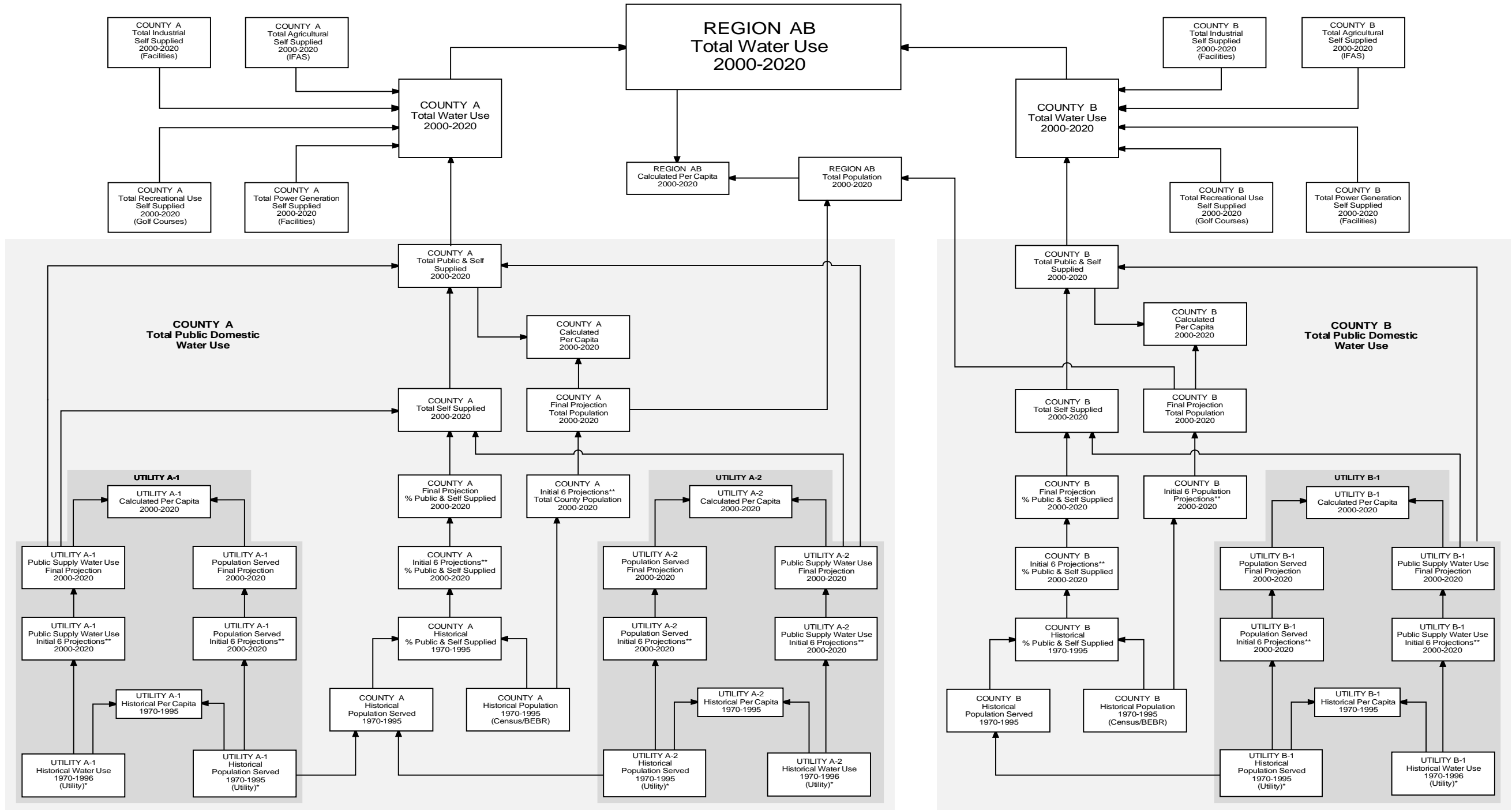
Recreational Irrigation: Projections for golf course irrigation will be made by applying a fixed application rate per acre based on geographic location to each golf course and multiplied by the number of acres irrigated. The application rate will be determined using one of two permitted rates (coastal or inland) and will be checked against information obtained from the golf course survey returns. Users will be identified by area, as those along the coast will use 38 inches per acre and those inland will use 24 inches per acre. Information from the survey returns will also aid in determining water sources and potential reuse users. Assumptions will include that existing facilities will use water at a constant rate over this time period, and that no changes will occur unless noted through the survey. Predictions of additional facilities being planned or built, as well as the expansion or change of water source of existing facilities, will be made through contact with the users, consultation with county comprehensive plans, and contacting Department of Community Affairs.

Where detailed information is not available, a county ratio of people per hole and water use per

hole will be applied to project water use. The people per hole ratio will be calculated by dividing a county's total population by the total number of golf course holes in that county in 1995. This ratio will then be applied to the projected county population to determine the projected number of golf course holes per county. There will be a nine hole threshold, in which water use will not be calculated unless the people per hole ratio reaches nine, or increments of nine. The projected number of holes will then be multiplied by a water use coefficient per hole, which is calculated by dividing the total golf course application for 1995 for a county (according to the above method using permitted rates) by the total number of golf course holes in the county. This county ratio of water use per hole will then be applied to calculate the county's total projected recreational water use for 2000 - 2020.

Power Generation: Projections for the five power plants will be made based on information provided by Gulf Power Company and the City of Tallahassee. Additional information and projections will be made for Timber Energy Resources in Liberty County. It is assumed that all facilities will remain at a constant production level (unless otherwise noted by the power company) and that facility expansion or closure will be noted by the power company or companies. If expansion is planned, then water projections will be provided by the power company.

Projection Flow Chart: Regional Water Use 2000-2020



*Utility information originated as reported by utility through Florida Department of Environmental Protection, Northwest Florida Water Management District, or directly from utility.

**Initial 6 projections are the Linear, Geometric, Parabolic, Modified Exponential, Gompertz, and Logistic models.

Appendix 4
Water Use and Demand Projections for Planning Region I

Appendix 4.
 Planning Region I
 a. System Inventory

Utility/Owner	Plant/facility	County	ASC	Use	1995 water use		Percent used	Secondary Water Source	Percent used
					Average Day in Mgal	Primary Water Source			
Bratt-Davisville W/S		Escambia		PS	0.20	Sand-gravel aquifer	100		
Central Water Works		Escambia		PS	0.26	Sand-gravel aquifer	100		
Century Utilities		Escambia		PS	0.51	Sand-gravel aquifer	100		
Cottage Hill Utilities		Escambia		PS	0.33	Sand-gravel aquifer	100		
Escambia County Utilities		Escambia		PS	32.11	Sand-gravel aquifer	100		
Farm Hill Utilities		Escambia		PS	0.29	Sand-gravel aquifer	100		
Gonzalez Utilities		Escambia		PS	0.39	Sand-gravel aquifer	100		
Molino Utilities		Escambia		PS	0.58	Sand-gravel aquifer	100		
Peoples Water System		Escambia		PS	2.08	Sand-gravel aquifer	100		
Walnut Hill Water Works		Escambia		PS	0.19	Sand-gravel aquifer	100		
South Santa Rosa Island Auth.	Pensacola Beach	Escambia		SPS	N/A	Escambia County	100		
Champion International		Escambia		C-I	26.86	Sand-gravel aquifer	100		
Monsanto Incorporated		Escambia		C-I	31.95	Surface	69	Sand-gravel aquifer	31
Pensacola NAS		Escambia		C-I	2.75	Escambia County	100		
Reichold Chemicals		Escambia		C-I	0.43	Sand-gravel aquifer	100		
University of West Florida		Escambia		C-I	0.35	Sand-gravel aquifer	100		
A. C. Read Golf Club		Escambia		R-I	0.33	N/A	N/A		
Champions GC		Escambia		R-I	0.07	N/A	N/A		
Creekside GC		Escambia		R-I	0.13	N/A	N/A		
Green Meadows GC		Escambia		R-I	0.07	N/A	N/A		
Marcus Pointe GC		Escambia		R-I	0.13	N/A	N/A		
Monsanto GC		Escambia		R-I	0.13	N/A	N/A		
Osceola/City Munciple GC		Escambia		R-I	0.13	N/A	N/A		
Pensacola CC		Escambia		R-I	0.13	N/A	N/A		
Perdido Bay Resort		Escambia		R-I	0.13	N/A	N/A		
Saufley GC		Escambia		R-I	0.07	N/A	N/A		
Senic Hills GC		Escambia		R-I	0.13	N/A	N/A		
Gulf Power	Crist Plant	Escambia		PWR	164.10	Escambia River	N/A	Sand-gravel aquifer	N/A

Data description; Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 4.

Planning Region I

b. Projection summary tables

The following projections were prepared by the U. S. Geological Survey-Water Resources Division (Tallahassee, Florida, 1998) for the Northwest Florida Water Management District. These projections are for planning purposes only.

Data Sources: U.S. Geological Survey-WRD; Florida Department of Environmental Protection; Northwest Florida Water Management District; Bureau of Economic and Business Research; and individual utilities.

Footnotes and Specific Utility Projection Information:

Escambia County

- *Escambia County Utility Authority*: Projected information does not include water sold to the City of Gulf Breeze in Santa Rosa County.

Planning Region I Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	13,482.70	36.94	72.69	53.64	46.81	150	246,878	87.3%	
Domestic S.S. & Small Public S.S.	1,958.63	5.37				150	35,864	12.7%	
Commercial-Industrial Self-supplied	22,751.20	62.33	N/A	N/A	N/A				
Recreational Irrigation	659.84	1.81							810
Power Generation	59,896.87	164.10	270.10	265.84	264.69				
Agricultural	51.10	0.14	N/A	N/A	N/A				N/A
Total	98,800.34	270.69					282,742		810

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	13,907.98	38.10	74.99	55.33	48.29	139	273,287	91.0%	
Domestic S.S. & Small Public S.S.	1,378.39	3.78				139	27,085	9.0%	
Commercial-Industrial Self-supplied	24,008.53	65.78	N/A	N/A	N/A				
Recreational Irrigation	692.83	1.90							851
Power Generation	61,122.91	167.46	275.63	271.29	270.11				
Agricultural	133.59	0.37	N/A	1.21	0.94				495
Total	101,244.24	277.38					300,372		1,346

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	14,668.52	40.19	79.15	58.31	50.90	138	292,060	92.3%	
Domestic S.S. & Small Public S.S.	1,226.04	3.36				138	24,411	7.7%	
Commercial-Industrial Self-supplied	24,746.97	67.80	N/A	N/A	N/A				
Recreational Irrigation	725.83	1.99							891
Power Generation	61,677.71	168.98	278.13	273.75	272.56				
Agricultural	134.69	0.37	N/A	1.20	0.94				484
Total	103,179.75	282.68					316,471		1,375

Planning Region I Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	15,502.72	42.47	83.71	61.54	53.76	136	311,195	93.6%	
Domestic S.S & Small Public S.S.	1,064.86	2.92				136	21,375	6.4%	
Commercial-Industrial Self-supplied	25,509.41	69.89	N/A	N/A	N/A				
Recreational Irrigation	791.81	2.17							972
Power Generation	62,232.51	170.50	280.63	276.21	275.02				
Agricultural	140.89	0.39	N/A	1.23	0.97				490
Total	105,242.20	288.33					332,570		1,462

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	16,411.55	44.96	88.65	65.05	56.85	136	330,788	94.9%	
Domestic S.S & Small Public S.S.	887.16	2.43				136	17,881	5.1%	
Commercial-Industrial Self-supplied	26,296.63	72.05	N/A	N/A	N/A				
Recreational Irrigation	824.80	2.26							1,013
Power Generation	62,783.66	172.01	283.12	278.66	277.45				
Agricultural	149.65	0.41	N/A	1.30	1.02				517
Total	107,353.45	294.12					348,669		1,530

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	17,396.16	47.66	93.99	68.83	60.20	136	350,965	96.2%	
Domestic S.S & Small Public S.S.	684.15	1.87				136	13,803	3.8%	
Commercial-Industrial Self-supplied	27,109.43	74.27	N/A	N/A	N/A				
Recreational Irrigation	857.79	2.35							1,053
Power Generation	63,334.81	173.52	285.60	281.10	279.89				
Agricultural	168.27	0.46	N/A	1.47	1.16				592
Total	109,550.61	300.14					364,768		1,645

Planning Region I Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	36.94	38.10	40.19	42.47	44.96	47.66
Domestic S.S & Small Public S.S.	5.37	3.78	3.36	2.92	2.43	1.87
Commercial-Industrial Self-supplied	62.33	65.78	67.80	69.89	72.05	74.27
Recreational Irrigation	1.81	1.90	1.99	2.17	2.26	2.35
Power Generation	164.10	167.46	168.98	170.50	172.01	173.52
Agricultural	0.14	0.37	0.37	0.39	0.41	0.46

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	72.69	74.99	79.15	83.71	88.65	93.99
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	270.10	275.63	278.13	280.63	283.12	285.60
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	53.64	55.33	58.31	61.54	65.05	68.83
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	265.84	271.29	273.75	276.21	278.66	281.10
Agricultural	N/A	1.21	1.20	1.23	1.30	1.47

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	46.81	48.29	50.90	53.76	56.85	60.20
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	1.43	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	264.69	270.11	272.56	275.02	277.45	279.89
Agricultural	N/A	0.94	0.94	0.97	1.02	1.16

Escambia County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	13,482.70	36.94	72.69	53.64	46.81	150	246,878	87.3%	
Domestic S.S. & Small Public S.S.	1,958.63	5.37				150	35,864	12.7%	
Commercial-Industrial Self-supplied	22,751.20	62.33	N/A	N/A	N/A				
Recreational Irrigation	659.84	1.81							810
Power Generation	59,896.87	164.10	270.10	265.84	264.69				
Agricultural	51.10	0.14	N/A	N/A	N/A				N/A
Total	98,800.34	270.69					282,742		810

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	13,907.98	38.10	74.99	55.33	48.29	139	273,287	91.0%	
Domestic S.S. & Small Public S.S.	1,378.39	3.78				139	27,085	9.0%	
Commercial-Industrial Self-supplied	24,008.53	65.78	N/A	N/A	N/A				
Recreational Irrigation	692.83	1.90							851
Power Generation	61,122.91	167.46	275.63	271.29	270.11				
Agricultural	133.59	0.37	N/A	1.21	0.94				495
Total	101,244.24	277.38					300,372		1,346

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	14,668.52	40.19	79.15	58.31	50.90	138	292,060	92.3%	
Domestic S.S. & Small Public S.S.	1,226.04	3.36				138	24,411	7.7%	
Commercial-Industrial Self-supplied	24,746.97	67.80	N/A	N/A	N/A				
Recreational Irrigation	725.83	1.99							891
Power Generation	61,677.71	168.98	278.13	273.75	272.56				
Agricultural	134.69	0.37	N/A	1.20	0.94				484
Total	103,179.75	282.68					316,471		1,375

Escambia County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	15,502.72	42.47	83.71	61.54	53.76	136	311,195	93.6%	
Domestic S.S & Small Public S.S.	1,064.86	2.92				136	21,375	6.4%	
Commercial-Industrial Self-supplied	25,509.41	69.89	N/A	N/A	N/A				
Recreational Irrigation	791.81	2.17							972
Power Generation	62,232.51	170.50	280.63	276.21	275.02				
Agricultural	140.89	0.39	N/A	1.23	0.97				490
Total	105,242.20	288.33					332,570		1,462

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	16,411.55	44.96	88.65	65.05	56.85	136	330,788	94.9%	
Domestic S.S & Small Public S.S.	887.16	2.43				136	17,881	5.1%	
Commercial-Industrial Self-supplied	26,296.63	72.05	N/A	N/A	N/A				
Recreational Irrigation	824.80	2.26							1,013
Power Generation	62,783.66	172.01	283.12	278.66	277.45				
Agricultural	149.65	0.41	N/A	1.30	1.02				517
Total	107,353.45	294.12					348,669		1,530

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	17,396.16	47.66	93.99	68.83	60.20	136	350,965	96.2%	
Domestic S.S & Small Public S.S.	684.15	1.87				136	13,803	3.8%	
Commercial-Industrial Self-supplied	27,109.43	74.27	N/A	N/A	N/A				
Recreational Irrigation	857.79	2.35							1,053
Power Generation	63,334.81	173.52	285.60	281.10	279.89				
Agricultural	168.27	0.46	N/A	1.47	1.16				592
Total	109,550.61	300.14					364,768		1,645

Escambia County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	36.94	38.10	40.19	42.47	44.96	47.66
Domestic S.S & Small Public S.S.	5.37	3.78	3.36	2.92	2.43	1.87
Commercial-Industrial Self-supplied	62.33	65.78	67.80	69.89	72.05	74.27
Recreational Irrigation	1.81	1.90	1.99	2.17	2.26	2.35
Power Generation	164.10	167.46	168.98	170.50	172.01	173.52
Agricultural	0.14	0.37	0.37	0.39	0.41	0.46

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	72.69	74.99	79.15	83.71	88.65	93.99
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	270.10	275.63	278.13	280.63	283.12	285.60
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	53.64	55.33	58.31	61.54	65.05	68.83
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	265.84	271.29	273.75	276.21	278.66	281.10
Agricultural	N/A	1.21	1.20	1.23	1.30	1.47

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	46.81	48.29	50.90	53.76	56.85	60.20
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	264.69	270.11	272.56	275.02	277.45	279.89
Agricultural	N/A	0.94	0.94	0.97	1.02	1.16

Escambia County Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.97	1.97	1.97	1.97	1.97
Peak Month	1.45	1.45	1.45	1.45	1.44
Peak 3 Month	1.27	1.27	1.27	1.26	1.26

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Bratt-Davisville (PAR)	72.70	95.50	111.93	142.34	186.74	245.13
Central Water Works (LIN)	95.70	116.70	131.94	147.17	162.40	177.64
Century Utilities (LIN)	185.10	198.15	242.54	286.92	331.31	375.69
Cottage Hill Utilities (GEO)	121.30	118.57	122.21	125.97	129.84	133.83
Escambia County Utilities (LIN)	11,720.30	11,989.66	12,514.25	13,038.84	13,563.43	14,088.02
Farm Hill Utilities (GEO)	106.80	130.24	151.53	176.32	205.15	238.70
Gonzalez Utilities (GEO)	141.10	160.56	182.35	207.11	235.22	267.15
Molino Utilities (LIN)	212.30	247.88	290.72	333.55	376.38	419.22
Peoples Water System (PAR)	757.80	778.81	847.10	968.45	1,142.87	1,370.35
Walnut Hill Water Works (GEO)	69.60	71.91	73.95	76.05	78.21	80.43
Total	13,482.70	13,907.98	14,668.52	15,502.72	16,411.55	17,396.16

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Bratt-Davisville (PAR)	0.20	0.26	0.31	0.39	0.51	0.67
Central Water Works (LIN)	0.26	0.32	0.36	0.40	0.44	0.49
Century Utilities (LIN)	0.51	0.54	0.66	0.79	0.91	1.03
Cottage Hill Utilities (GEO)	0.33	0.32	0.33	0.35	0.36	0.37
Escambia County Utilities (LIN)	32.11	32.85	34.29	35.72	37.16	38.60
Farm Hill Utilities (GEO)	0.29	0.36	0.42	0.48	0.56	0.65
Gonzalez Utilities (GEO)	0.39	0.44	0.50	0.57	0.64	0.73
Molino Utilities (LIN)	0.58	0.68	0.80	0.91	1.03	1.15
Peoples Water System (PAR)	2.08	2.13	2.32	2.65	3.13	3.75
Walnut Hill Water Works (GEO)	0.19	0.20	0.20	0.21	0.21	0.22
Total	36.94	38.10	40.19	42.47	44.96	47.66

Escambia County Summary

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Bratt-Davisville	1.85	1.46	1.23
Central Water Works	2.11	1.36	1.24
Century Utilities	1.99	1.21	1.15
Cottage Hill Utilities	2.09	1.46	1.24
Escambia County Utilities	1.96	1.47	1.28
Farm Hill Utilities	2.79	1.37	1.20
Gonzalez Utilities	1.62	1.37	1.22
Molino Utilities	2.57	1.40	1.29
Peoples Water System	1.88	1.27	1.17
Walnut Hill Water Works	1.95	1.27	1.16

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Bratt-Davisville	0.48	0.57	0.72	0.95	1.24
Central Water Works	0.67	0.76	0.85	0.94	1.03
Century Utilities	1.08	1.32	1.56	1.81	2.05
Cottage Hill Utilities	0.68	0.70	0.72	0.74	0.77
Escambia County Utilities	64.22	67.03	69.84	72.65	75.46
Farm Hill Utilities	1.00	1.16	1.35	1.57	1.82
Gonzalez Utilities	0.71	0.81	0.92	1.04	1.19
Molino Utilities	1.75	2.05	2.35	2.65	2.95
Peoples Water System	4.01	4.36	4.99	5.89	7.06
Walnut Hill Water Works	0.38	0.40	0.41	0.42	0.43
Total	74.99	79.15	83.71	88.65	93.99

Escambia County Summary

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Bratt-Davisville	0.38	0.45	0.57	0.75	0.98
Central Water Works	0.43	0.49	0.55	0.61	0.66
Century Utilities	0.66	0.81	0.95	1.10	1.25
Cottage Hill Utilities	0.48	0.49	0.51	0.52	0.54
Escambia County Utilities	48.39	50.50	52.62	54.74	56.85
Farm Hill Utilities	0.49	0.57	0.66	0.77	0.90
Gonzalez Utilities	0.60	0.68	0.78	0.88	1.00
Molino Utilities	0.95	1.12	1.28	1.45	1.61
Peoples Water System	2.70	2.94	3.36	3.96	4.75
Walnut Hill Water Works	0.25	0.26	0.26	0.27	0.28
Total	55.33	58.31	61.54	65.05	68.83

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Bratt-Davisville	0.32	0.38	0.48	0.63	0.83
Central Water Works	0.40	0.45	0.50	0.55	0.60
Century Utilities	0.62	0.76	0.90	1.04	1.18
Cottage Hill Utilities	0.40	0.41	0.43	0.44	0.45
Escambia County Utilities	41.98	43.82	45.65	47.49	49.33
Farm Hill Utilities	0.43	0.50	0.58	0.68	0.79
Gonzalez Utilities	0.53	0.61	0.69	0.78	0.89
Molino Utilities	0.88	1.03	1.18	1.33	1.48
Peoples Water System	2.50	2.72	3.10	3.66	4.39
Walnut Hill Water Works	0.23	0.23	0.24	0.25	0.25
Total	48.29	50.90	53.76	56.85	60.20

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Escambia County	91%	92%	94%	95%	96%

Escambia County Summary

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Bratt-Davisville	3,244	3,503	3,762	4,021	4,280
Central Water Works	2,583	2,777	2,970	3,164	3,357
Century Utilities	3,405	3,832	4,312	4,853	5,461
Cottage Hill Utilities	3,018	3,293	3,569	3,845	4,121
Escambia County Utilities	219,312	234,742	250,171	265,601	281,030
Farm Hill Utilities	3,472	3,874	4,277	4,679	5,081
Gonzalez Utilities	3,690	4,090	4,490	4,890	5,290
Molino Utilities	5,132	5,831	6,625	7,528	8,554
Peoples Water System	27,658	28,251	29,057	30,153	31,643
Walnut Hill Water Works	1,774	1,867	1,961	2,055	2,148
Total	273,287	292,060	311,195	330,788	350,965

Percentage of County Population in Area

Year	2000	2005	2010	2015	2020
Percent	100%	100%	100%	100%	100%

Total Area Population

Year	2000	2005	2010	2015	2020
Population	300,372	316,471	332,570	348,669	364,768

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Champion International (UTIL)	10,740.58	11,089.65	11,450.06	11,822.19	12,206.41
Monsanto Incorporated	11,980.65	12,370.02	12,772.05	13,187.14	13,615.72
Pensacola NAS	1,003.10	1,003.10	1,003.10	1,003.10	1,003.10
Reichold Chemicals	156.70	156.70	156.70	156.70	156.70
University of West Florida	127.50	127.50	127.50	127.50	127.50
Total	24,008.53	24,746.97	25,509.41	26,296.63	27,109.43

Escambia County Summary

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Champion International (UTIL)	29.43	30.38	31.37	32.39	33.44
Monsanto Incorporated	32.82	33.89	34.99	36.13	37.30
Pensacola Naval Air Station	2.75	2.75	2.75	2.75	2.75
Reichold Chemicals	0.43	0.43	0.43	0.43	0.43
University of West Florida	0.35	0.35	0.35	0.35	0.35
Total	65.78	67.80	69.89	72.05	74.27

Commercial-Industrial Ratios

Ratios	Maximum Day	Peak Month	Peak 3 Month
Champion International	1.26	1.12	1.10
Monsanto Incorporated	1.42	1.30	1.24
Pensacola NAS			
Reichold Chemicals			
University of West Florida			
Total	N/A	N/A	N/A

Commercial-Industrial: Projected Max Day

Year	2000	2005	2010	2015	2020
Champion International	37.17	38.38	39.63	40.91	42.24
Monsanto Incorporated	46.61	48.12	49.69	51.30	52.97
Pensacola NAS	-	-	-	-	-
Reichold Chemicals	-	-	-	-	-
University of West Florida	-	-	-	-	-
Total	N/A	N/A	N/A	N/A	N/A

Commercial-Industrial: Projected Peak Month

Year	2000	2005	2010	2015	2020
Champion International	32.93	34.00	35.10	36.24	37.42
Monsanto Incorporated	42.61	43.99	45.42	46.90	48.42
Pensacola NAS	-	-	-	-	-
Reichold Chemicals	-	-	-	-	-
University of West Florida	-	-	-	-	-
Total	N/A	N/A	N/A	N/A	N/A

Escambia County Summary

Commercial-Industrial: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Champion International	32.25	33.30	34.38	35.50	36.65
Monsanto Incorporated	40.54	41.85	43.22	44.62	46.07
Pensacola NAS	-	-	-	-	-
Reichold Chemicals	-	-	-	-	-
University of West Florida	-	-	-	-	-
Total	N/A	N/A	N/A	N/A	N/A

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
		Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Population	282,742	2000	300,372	189	851	692.83
Total Number of Holes	180	2005	316,471	198	891	725.83
Holes Per Person	0.0006366	2010	332,570	216	972	791.81
Total Number Acres Irrigated	810	2015	348,669	225	1013	824.80
Inches Per Acre	30	2020	364,768	234	1053	857.79
Total GC Water Use in Mgal	659.84					
Water Use Per Hole in Mgal	3.67					

Golf Course Name	Holes	Location
A. C. Read Golf Club	27	Naval Air Station, Pensacola, 32508
Champions Golf Club	9	109 Mintz Lane, Cantonment, 32533
Creekside Golf Club	18	2355 West Michigan Ave., Pensacola, 32526
Green Meadows GC	9	2500 Michigan Avenue, Pensacola, 32505
Marcus Pointe GC	18	2500 Oak Pointe Drive, Pensacola, 32505
Monsanto Employees Golf Assc	18	Pensacola, 32575
Osceola/City Munciple GC	18	300 Tonawanda Drive, Pensacola, 32506
Pensacola	18	1500 Bayshore Drive, Pensacola, 32507
Perdido Bay Resort	18	One Doug Ford Drive, Pensacola
Saufley GC	9	2424 Saufley Road, Pensacola, 32508
Scenic Hills CC	18	Burning Tree Road, Pensacola, 32514

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Escambia County Summary

Power Generation: Projected Annual Flow

Year	1995	2000	2005	2010	2015	2020
Gulf Power - Crist Plant (UTIL)	59896.87	61122.91	61677.71	62232.51	62783.66	63334.81
Total	59,896.87	61,122.91	61,677.71	62,232.51	62,783.66	63,334.81

Power Generation: Projected Average Daily Flow (Mgal/d)

Year	1995	2000	2005	2010	2015	2020
Gulf Power - Crist Plant (UTIL)	164.10	167.46	168.98	170.50	172.01	173.52
Total	164.10	167.46	168.98	170.50	172.01	173.52

Power Generation: Ratios

Ratios	Max-Day	Peak Month	Peak3Month
Gulf Power - Crist Plant	1.65	1.62	1.61
Total	1.65	1.62	1.61

Power Generation: Projected Max Day

Year	1995	2000	2005	2010	2015	2020
Gulf Power - Crist Plant	270.10	275.63	278.13	280.63	283.12	285.60
Total	270.10	275.63	278.13	280.63	283.12	285.60

Power Generation: Projected Peak Month

Year	1995	2000	2005	2010	2015	2020
Gulf Power - Crist Plant	265.84	271.29	273.75	276.21	278.66	281.10
Total	265.84	271.29	273.75	276.21	278.66	281.10

Power Generation: Projected 3 Month Peak

Year	1995	2000	2005	2010	2015	2020
Gulf Power - Crist Plant	264.69	270.11	272.56	275.02	277.45	279.89
Total	264.69	270.11	272.56	275.02	277.45	279.89

Appendix 4.

Planning Region I

c. Individually Projected Users

County	Utility/Owner	Plant/facility	ASC	Use	Projections in Mgal/d				
					2000	2005	2010	2015	2020
Escambia	Bratt-Davisville W/S			PS	0.26	0.31	0.39	0.51	0.67
Escambia	Central Water Works			PS	0.32	0.36	0.40	0.44	0.49
Escambia	Century Utilities			PS	0.54	0.66	0.79	0.91	1.03
Escambia	Cottage Hill Utilities			PS	0.32	0.33	0.35	0.36	0.37
Escambia	Escambia County Utilities			PS	32.85	34.29	35.72	37.16	38.60
Escambia	Farm Hill Utilities			PS	0.36	0.42	0.48	0.56	0.65
Escambia	Gonzalez Utilities			PS	0.44	0.50	0.57	0.64	0.73
Escambia	Molino Utilities			PS	0.68	0.80	0.91	1.03	1.15
Escambia	Peoples Water System			PS	2.13	2.32	2.65	3.13	3.75
Escambia	Walnut Hill Water Works			PS	0.20	0.20	0.21	0.21	0.22
Escambia	Champion International			C-I	29.43	30.38	31.37	32.39	33.44
Escambia	Monsanto Incorporated			C-I	32.82	33.89	34.99	36.13	37.30
Escambia	U.S. Navy: Pensacola NAS			C-I	2.75	2.75	2.75	2.75	2.75
Escambia	Gulf Power Company	Crist Plant		PWR	167.46	168.98	170.5	172.01	173.52

Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 5
Water Use and Demand Projections for Planning Region II

Appendix 5.
 Planning Region II
 a. System Inventory

Utility/Owner	Plant/facility	County	ASC	1995 water use		Primary Water Source	Percent used	Secondary Water Source	Percent used
				Use	Average Day in Mgal				
Florida Dept. of Corrections	Okaloosa Correctional	Okaloosa		C-I	0.17	Floridan aquifer	100		
Florida Dept. of Transportation	I-10 Rest Area	Okaloosa		C-I	0.01	Floridan aquifer	100		
US Air Force: Eglin AFB	Field 3 System	Okaloosa	1	C-I	0.06	Floridan aquifer	100		
US Air Force: Eglin AFB	Field 6 System	Okaloosa	1	C-I	0.05	Floridan aquifer	100	Bay County	N/A
US Air Force: Eglin AFB	Main System	Okaloosa	1	C-I	1.60	Floridan aquifer	100		
US Air Force: Eglin AFB	Housing System	Okaloosa	1	C-I	2.07	Floridan aquifer	100		
US Air Force: Eglin AFB	Beach Club	Okaloosa	1	C-I	0.01	Floridan aquifer	100		
US Air Force: Eglin AFB	Officers Club	Okaloosa	1	C-I	0.00	Floridan aquifer	100		
US Air Force: Hulbert Field AFB		Okaloosa	1	C-I	0.81	Floridan aquifer	100		
US Coast Guard	Destin Station	Okaloosa	1	C-I	0.02	Floridan aquifer	100		
Florida Mining	Destin Plant	Okaloosa	1	C-I	0.02	Floridan aquifer	100		
Metric Systems Incorporated		Okaloosa		C-I	0.02	Floridan aquifer	100		
Auburn Water System		Okaloosa		PS	1.11	Floridan aquifer	100		
Baker Water System		Okaloosa		PS	0.16	Floridan aquifer	100		
Crestview, city of		Okaloosa		PS	2.04	Floridan aquifer	100		
Destin Water Users		Okaloosa	1	PS	2.83	Floridan aquifer	100		
Fort Walton Beach, city of		Okaloosa	1	PS	3.29	Floridan aquifer	100		
Holt Water System		Okaloosa		PS	0.09	Floridan aquifer	100		
Laurel Hill, city of		Okaloosa		PS	0.13	Floridan aquifer	100		
Mary Ester, city of		Okaloosa	1	PS	0.77	Floridan aquifer	100		
Milligan Water System		Okaloosa		PS	0.14	Floridan aquifer	100		
Niceville, town of		Okaloosa	1	PS	2.80	Floridan aquifer	100		
Okaloosa County Water/Sewer	Bluewater Bay	Okaloosa	1	PS	1.03	Floridan aquifer	100		
Okaloosa County Water/Sewer	Mid County-Del Cerro	Okaloosa		PS	0.33	Floridan aquifer	100		
Okaloosa County Water/Sewer	Main (Garnier)	Okaloosa	1	PS	5.19	Floridan aquifer	100		
Okaloosa County Water/Sewer	County West-Seashore	Okaloosa	1	PS	0.56	Floridan aquifer	100		
Seminole Community W/S		Okaloosa	1	PS	0.11	Floridan aquifer	100		
Valparaiso, city of		Okaloosa	1	PS	0.62	Floridan aquifer	100		
Bluewater Bay Resort		Okaloosa	1	R-I	N/A	Unnamed ponds	100	Floridan aquifer	SB
Emerald Bay Plantation		Okaloosa	1	R-I	N/A	Reuse system	100	Floridan aquifer	SB
Fort Walton Beach, city of	Municipal Golf Course	Okaloosa	1	R-I	N/A	Reuse system	N/A	Sand-gravel aquifer	N/A
Foxwood Country Club		Okaloosa		R-I	N/A	Floridan aquifer	100		
Gator Lakes Golf Course		Okaloosa	1	R-I	N/A	N/A	N/A		
Indian Bayou Golf Course		Okaloosa	1	R-I	N/A	N/A	N/A		
Island Golf Center		Okaloosa	1	R-I	N/A	Unnamed pond	100		
Rockey Bayou Golf Course		Okaloosa	1	R-I	N/A	Reuse system	100		
Sandpiper Cove Golf Club		Okaloosa	1	R-I	N/A	Reuse system	100		
Shalimar Pointe Golf Course		Okaloosa	1	R-I	N/A	Unnamed ponds	100	Floridan aquifer	SB

1995 water use

Utility/Owner	Plant/facility	County	ASC	Use	Average Day in Mgal	Primary Water Source	Percent used	Secondary Water Source	Percent used
Shoal River Golf Course		Okaloosa		R-I	N/A	N/A	N/A		
US Air Force: Eglin AFB	Golf Course	Okaloosa	1	R-I	N/A	Unnamed ponds	100		
Florida Dept. of Corrections	Blackwater Facility	Santa Rosa		C-I	0.01	Floridan aquifer	100		
US Navy: Choctow Field		Santa Rosa		C-I	0.02	Sand-gravel aquifer	N/A		
US Navy: Whiting Field		Santa Rosa		C-I	0.48	Sand-gravel aquifer	100		
Air Products		Santa Rosa		C-I	3.66	Sand-gravel aquifer	100	City of Pace	N/A
Sterling Fibers (Cytec)	Santa Rosa Plant	Santa Rosa		C-I	3.42	Sand-gravel aquifer	100		
Bagdad/Garron W/S		Santa Rosa		PS	0.39	Sand-gravel aquifer	100		
Berrydale Water System		Santa Rosa		PS	0.21	Sand-gravel aquifer	100		
Chumuckla, town of		Santa Rosa		PS	0.27	Sand-gravel aquifer	100		
East Milton Water System		Santa Rosa		PS	0.77	Sand-gravel aquifer	100	Floridan aquifer	SB
Gulf Breeze, city of		Santa Rosa	1	PS	0.79	Escambia County Utilit	100		
Holly/Navarre W/S		Santa Rosa	1	PS	1.48	Floridan aquifer	100		
Jay, town of		Santa Rosa		PS	0.28	Sand-gravel aquifer	100		
Midway Water System		Santa Rosa	1	PS	1.72	Floridan aquifer	85	Sand-gravel aquifer	15
Milton, city of		Santa Rosa		PS	1.98	Sand-gravel aquifer	100		
Moore Creek/Mt. Carmel		Santa Rosa		PS	0.31	Sand-gravel aquifer	100		
Navarre Beach		Santa Rosa	1	PS	0.27	Floridan aquifer	100		
Pace, city of		Santa Rosa		PS	2.59	Sand-gravel aquifer	100		
Point Baker Water System		Santa Rosa		PS	0.66	Sand-gravel aquifer	100		
South Santa Rosa Utilities		Santa Rosa	1	PS	0.79	Sand-gravel aquifer	100		
Club at Hidden Creek		Santa Rosa	1	R-I	N/A	Reuse system	90	Unnamed pond	10
The Moores Golf Club		Santa Rosa		R-I	N/A	N/A	N/A		
Santa Rosa Golf & Beach Club		Santa Rosa	1	R-I	N/A	N/A	N/A		
Stonebrook Village Golf Center		Santa Rosa		R-I	N/A	Reuse system	100	Unnamed pond	SB
Tanglewood Golf Course		Santa Rosa		R-I	N/A	Floridan aquifer	100		
Tiger Point Golf Course		Santa Rosa	1	R-I	0.79	N/A	N/A		
US Navy: Whiting Field	Golf Course	Santa Rosa		R-I	N/A	Sand-gravel aquifer	100		
Holiday Travel Park		Walton		C-I	0.01	Floridan aquifer	N/A		
US Air Force: Eglin AFB	Field C-6 System	Walton	1	C-I	0.04	Floridan aquifer	N/A		
Purdue Farms (Showell)		Walton		C-I	0.87	Floridan aquifer	N/A		
Argyle Water System		Walton		PS	0.06	Floridan aquifer	100		
Beachwood Villas W/S		Walton	1	SPS	0.01	Floridan aquifer	100		
DeFuniak Springs, city of		Walton		PS	1.00	Floridan aquifer	100		
Freeport, town of		Walton	1	PS	0.29	Floridan aquifer	100		
Gulf Trace Water System		Walton	1	SPS	0.02	Floridan aquifer	100		
Inlet Beach Water System		Walton	1	PS	0.07	Floridan aquifer	100	Intermediate aquifer	SB
Lake Sharon Estates W/S		Walton		SPS	0.02	Floridan aquifer	100		
Mossy Head Water System		Walton		PS	0.08	Floridan aquifer	100		
Paxton, town of		Walton		PS	0.20	Floridan aquifer	100		
Saddlebrook Downs W/S		Walton		SPS	0.01	Floridan aquifer	100		
Regional Utilities	Fl. Comm. Srv. Corp.	Walton	1	PS	0.72	Floridan aquifer	100		

1995 water use

Utility/Owner	Plant/facility	County	ASC	Use	Average Day in Mgal	Primary Water Source	Percent used	Secondary Water Source	Percent used
Smith Water Company	Villa Tasso	Walton	1	PS	0.06	Floridan aquifer	100		
Smith Water Company	Choctaw Beach	Walton	1	PS	0.07	Floridan aquifer	100		
South Walton Utilities		Walton	1	PS	1.80	Floridan aquifer	100		
Ten Lake Estates W/S		Walton		SPS	0.01	Floridan aquifer	100		
D.I. Development		Walton	1	R-I	N/A	N/A	N/A		
Gardens of Destin		Walton	1	R-I	N/A	Reuse system	100		
Sandestin Resort Golf Club		Walton	1	R-I	N/A	Reuse system	N/A	Sand-gravel aquifer	N/A
Santa Rosa Golf & Beach Club		Walton	1	R-I	N/A	Unnamed ponds	100	Sand-gravel aquifer	SB
Seascape Resort Golf Course		Walton	1	R-I	N/A	N/A	N/A		

Data description; Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 5.

Planning Region II

b. Projection summary tables

The following projections were prepared by the U. S. Geological Survey-Water Resources Division (Tallahassee, Florida,1998) for the Northwest Florida Water Management District. These projections are for planning purposes only.

Data Sources: U.S. Geological Survey-WRD; Florida Department of Environmental Protection; Northwest Florida Water Management District; Bureau of Economic and Business Research; and individual utilities.

Footnotes and Specific Utility Projection Information:

Okaloosa County

- *Okaloosa County Water and Sewer (Bluewater Bay)*: Due to the projection models inability to consider special boundaries and limits, the USGS projection increased beyond what was considered possible for the utilities current service area, thus the water use projection provided by Poly Engineering was used for this utility.

- *Eglin Air Force Base*: Was projected as an aggregate of all Eglin systems reported to the USGS.

Santa Rosa County

- *City of Gulf Breeze*: Was extracted from Escambia County Utility Authority, projected individually and not counted in Escambia County.

- *South Santa Rosa Utilities*: All water is currently purchased from a combination of Midway Water System, City of Gulf Breeze, and Escambia County Utility Authority. Water demands for South Santa Rosa Utilities were projected individually, although demand may also be accounted for in Midway Water System, City of Gulf Breeze, and Escambia County Utility Authority's projections.

Walton County

- *Regional Utilities (also known as Florida Community Services Corporation)*: Historical water use (1992-1996) was provided by NFWFMD pumping reports, all remaining historical data was provided by USGS. Note that projection base is a total of Seagrove Beach, Camp Creek, and Westside/Sandcliff systems. Because Regional Utilities acquired Camp Creek and Westside/Sandcliff systems in 1996, no individual water use data was available for these systems in 1996. It is assumed that Seagrove, which was reported to the USGS in 1996, included the water use for Camp Creek and Westside/Sandcliff systems for 1996.

- *Fort Walton Beach*: The water use projection provided by the utility was substituted for the projections produced by the standard method employed herein because erratic historical data produced improbable projections, such as zero growth and negative growth.

- *Smith Water Company*: Was projected as an aggregate of Villa Tasso and Choctaw Beach systems, due to their low water use.

Planning Region II Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	13,885.20	38.04	75.19	65.63	64.25	141	269,711	92.3%	
Domestic S.S. & Small Public S.S.	1,192.73	3.27				145	22,502	7.7%	
Commercial-Industrial Self-supplied	4,295.70	11.77	N/A	N/A	N/A				
Recreational Irrigation	1,979.53	5.42							2,430
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	543.13	1.49	N/A	N/A	N/A				N/A
Total	21,896.29	59.99					292,213		2,430

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	15,597.46	42.73	84.41	73.96	72.46	142	301,075	92.1%	
Domestic S.S. & Small Public S.S.	1,374.47	3.77				146	25,839	7.9%	
Commercial-Industrial Self-supplied	4,903.71	13.43	N/A	N/A	N/A				
Recreational Irrigation	2,210.47	6.06							2,714
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	214.57	0.59	N/A	1.07	0.94				195
Total	24,300.68	66.58					326,914		2,909

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	17,403.16	47.68	94.27	82.95	81.34	146	325,892	92.7%	
Domestic S.S. & Small Public S.S.	1,395.72	3.82				148	25,851	7.3%	
Commercial-Industrial Self-supplied	5,150.12	14.11	N/A	N/A	N/A				
Recreational Irrigation	2,375.43	6.51							2,916
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	228.13	0.63	N/A	1.14	1.00				207
Total	26,552.57	72.75					351,743		3,123

Planning Region II Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	19,279.69	52.82	104.54	92.32	90.59	150	352,485	93.1%	
Domestic S.S. & Small Public S.S.	1,458.73	4.00				153	26,155	6.9%	
Commercial-Industrial Self-supplied	5,397.00	14.79	N/A	N/A	N/A				
Recreational Irrigation	2,540.39	6.96							3,119
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	250.77	0.69	N/A	1.25	1.09				225
Total	28,926.58	79.25					378,640		3,344

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	21,153.22	57.95	114.77	101.60	99.74	153	378,980	92.5%	
Domestic S.S. & Small Public S.S.	1,750.53	4.80				155	30,938	7.5%	
Commercial-Industrial Self-supplied	5,662.63	15.51	N/A	N/A	N/A				
Recreational Irrigation	2,804.33	7.68							3,443
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	268.64	0.74	N/A	1.33	1.17				241
Total	31,639.36	86.68					409,918		3,684

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	23,058.62	63.17	125.18	111.02	109.03	157	403,574	91.2%	
Domestic S.S. & Small Public S.S.	2,259.81	6.19				160	38,777	8.8%	
Commercial-Industrial Self-supplied	5,933.76	16.26	N/A	N/A	N/A				
Recreational Irrigation	3,002.28	8.23							3,686
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	293.47	0.80	N/A	1.45	1.19				263
Total	34,547.94	94.65					442,351		3,949

Planning Region II Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	38.04	42.73	47.68	52.82	57.95	63.17
Domestic S.S. & Small Public S.S.	3.27	3.77	3.82	4.00	4.80	6.19
Commercial-Industrial Self-supplied	11.77	13.43	14.11	14.79	15.51	16.26
Recreational Irrigation	5.42	6.06	6.51	6.96	7.68	8.23
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	1.49	0.59	0.63	0.69	0.74	0.80

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	75.19	84.41	94.27	104.54	114.77	125.18
Domestic S.S. & Small Public S.S.	-	-	-	-	-	-
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	65.63	73.96	82.95	92.32	101.60	111.02
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	1.07	1.14	1.25	1.33	1.45

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	64.25	72.46	81.34	90.59	99.74	109.03
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.94	1.00	1.09	1.17	1.19

Area of Special Concern (ASC)-1 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	9,217.70	25.25	47.55	37.95	36.48	143	176,480	91.4%	
Domestic S.S. & Small Public S.S.	875.37	2.40				145	16,583	8.6%	
Commercial-Industrial Self-supplied	1,385.30	3.80	N/A	N/A	N/A				
Recreational Irrigation	1,550.63	4.25							1,904
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	13,029.00	35.70					193,063		1,904

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	10,403.69	28.50	53.65	43.16	41.56	147	194,281	91.0%	
Domestic S.S. & Small Public S.S.	1,026.78	2.81				147	19,128	9.0%	
Commercial-Industrial Self-supplied	1,993.31	5.46	N/A	N/A	N/A				
Recreational Irrigation	1,715.59	4.70							2,106
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	15,139.37	41.48					213,410		2,106

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	11,572.07	31.70	59.64	48.29	46.55	149	213,096	92.6%	
Domestic S.S. & Small Public S.S.	926.46	2.54				149	17,012	7.4%	
Commercial-Industrial Self-supplied	2,057.22	5.64	N/A	N/A	N/A				
Recreational Irrigation	1,847.56	5.06							2,268
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	16,403.31	44.94					230,109		2,268

Area of Special Concern (ASC)-1 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	12,768.22	34.98	65.79	53.52	51.65	152	229,963	92.8%	
Domestic S.S. & Small Public S.S.	983.00	2.69				152	17,742	7.2%	
Commercial-Industrial Self-supplied	2,121.60	5.81	N/A	N/A	N/A				
Recreational Irrigation	1,979.53	5.42							2,430
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	17,852.34	48.91					247,705		2,430

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	13,989.98	38.33	72.06	58.84	56.83	156	245,443	91.9%	
Domestic S.S. & Small Public S.S.	1,235.51	3.38				156	21,762	8.1%	
Commercial-Industrial Self-supplied	2,186.48	5.99	N/A	N/A	N/A				
Recreational Irrigation	2,177.48	5.97							2,673
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	19,589.45	53.67					267,205		2,673

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	15,246.01	41.77	78.51	64.29	62.14	161	259,620	90.3%	
Domestic S.S. & Small Public S.S.	1,653.72	4.53				162	28,045	9.7%	
Commercial-Industrial Self-supplied	2,251.86	6.17	N/A	N/A	N/A				
Recreational Irrigation	2,342.44	6.42							2,876
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	21,494.03	58.89					287,665		2,876

Area of Special Concern (ASC)-1 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	25.25	28.50	31.70	34.98	38.33	41.77
Domestic S.S. & Small Public S.S.	2.40	2.81	2.54	2.69	3.38	4.53
Commercial-Industrial Self-supplied	3.80	5.46	5.64	5.81	5.99	6.17
Recreational Irrigation	4.25	4.70	5.06	5.42	5.97	6.42
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	47.55	53.65	59.64	65.79	72.06	78.51
Domestic S.S. & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	37.95	43.16	48.29	53.52	58.84	64.29
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	36.48	41.56	46.55	51.65	56.83	62.14
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Non-Area of Special Concern (NonASC)-1 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	4,667.50	12.79	27.64	27.67	27.77	137	93,231	94.0%	
Domestic S.S. & Small Public S.S.	317.36	0.87				147	5,919	6.0%	
Commercial-Industrial Self-supplied	2,910.40	7.97	N/A	N/A	N/A				
Recreational Irrigation	428.90	1.18							527
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	8,324.16	22.81					99,150		527

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	5,193.77	14.23	30.76	30.80	30.91	133	106,794	94.1%	
Domestic S.S. & Small Public S.S.	347.69	0.95				142	6,710	5.9%	
Commercial-Industrial Self-supplied	2,910.40	7.97	N/A	N/A	N/A				
Recreational Irrigation	494.88	1.36							608
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	8,946.74	24.51					113,504		608

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	5,831.09	15.98	34.62	34.67	34.79	142	112,796	92.7%	
Domestic S.S. & Small Public S.S.	469.26	1.29				145	8,838	7.3%	
Commercial-Industrial Self-supplied	3,092.90	8.47	N/A	N/A	N/A				
Recreational Irrigation	527.87	1.45							648
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	9,921.13	27.18					121,634		648

Non-Area of Special Concern (NonASC)-1 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	6,511.47	17.84	38.76	38.80	38.94	146	122,522	93.6%	
Domestic S.S. & Small Public S.S.	475.73	1.30				155	8,413	6.4%	
Commercial-Industrial Self-supplied	3,275.40	8.97	N/A	N/A	N/A				
Recreational Irrigation	560.87	1.54							689
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	10,823.47	29.65					130,935		689

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	7,163.25	19.63	42.71	42.76	42.91	147	133,537	93.6%	
Domestic S.S. & Small Public S.S.	515.03	1.41				154	9,176	6.4%	
Commercial-Industrial Self-supplied	3,476.15	9.52	N/A	N/A	N/A				
Recreational Irrigation	626.85	1.72							770
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	11,781.27	32.28					142,713		770

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	7,812.61	21.40	46.67	46.73	46.90	149	143,954	93.1%	
Domestic S.S. & Small Public S.S.	606.08	1.66				155	10,732	6.9%	
Commercial-Industrial Self-supplied	3,681.90	10.09	N/A	N/A	N/A				
Recreational Irrigation	659.84	1.81							810
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	12,760.44	34.96					154,686		810

Non-Area of Special Concern (NonASC)-1 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	12.79	14.23	15.98	17.84	19.63	21.40
Domestic S.S. & Small Public S.S.	0.87	0.95	1.29	1.30	1.41	1.66
Commercial-Industrial Self-supplied	7.97	7.97	8.47	8.97	9.52	10.09
Recreational Irrigation	1.18	1.36	1.45	1.54	1.72	1.81
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	27.64	30.76	34.62	38.76	42.71	46.67
Domestic S.S. & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	27.67	30.80	34.67	38.80	42.76	46.73
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	27.77	30.91	34.79	38.94	42.91	46.90
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Okaloosa County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	7,731.65	21.18	41.84	32.20	30.71	142	149,665	92.0%	
Domestic S.S. & Small Public S.S.	680.58	1.86				143	13,042	8.0%	
Commercial-Industrial Self-supplied	1,448.70	3.97	N/A	N/A	N/A				
Recreational Irrigation	956.77	2.62							1,175
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	447.13	1.23	N/A	N/A	N/A				N/A
Total	11,264.83	30.86					162,707		1,175

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	8,463.78	23.19	45.82	35.27	33.64	146	158,482	91.6%	
Domestic S.S. & Small Public S.S.	775.69	2.13				147	14,500	8.4%	
Commercial-Industrial Self-supplied	2,056.71	5.63	N/A	N/A	N/A				
Recreational Irrigation	1,022.76	2.80							1,256
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	73.37	0.20	N/A	0.35	0.31				57
Total	12,392.30	33.95					172,982		1,313

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	9,265.02	25.38	50.24	38.81	37.05	147	172,701	92.3%	
Domestic S.S. & Small Public S.S.	775.40	2.12				147	14,427	7.7%	
Commercial-Industrial Self-supplied	2,120.62	5.81	N/A	N/A	N/A				
Recreational Irrigation	1,088.74	2.98							1,337
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	78.11	0.21	N/A	0.38	0.33				61
Total	13,327.89	36.51					187,128		1,398

Okaloosa County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	10,114.79	27.71	54.94	42.59	40.68	150	184,220	91.5%	
Domestic S.S. & Small Public S.S.	940.35	2.58				151	17,055	8.5%	
Commercial-Industrial Self-supplied	2,185.00	5.99	N/A	N/A	N/A				
Recreational Irrigation	1,154.72	3.16							1,418
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	85.78	0.24	N/A	0.41	0.37				67
Total	14,480.64	39.67					201,275		1,485

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	10,959.71	30.03	59.59	46.27	44.22	153	195,747	90.9%	
Domestic S.S. & Small Public S.S.	1,098.09	3.01				153	19,674	9.1%	
Commercial-Industrial Self-supplied	2,249.88	6.16	N/A	N/A	N/A				
Recreational Irrigation	1,286.69	3.53							1,580
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	91.98	0.25	N/A	0.44	0.39				71
Total	15,686.36	42.98					215,421		1,651

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	11,880.50	32.55	64.68	50.36	48.16	158	205,438	89.5%	
Domestic S.S. & Small Public S.S.	1,385.33	3.80				157	24,129	10.5%	
Commercial-Industrial Self-supplied	2,315.26	6.34	N/A	N/A	N/A				
Recreational Irrigation	1,352.68	3.71							1,661
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	100.38	0.28	N/A	0.48	0.43				78
Total	17,034.14	46.67					229,567		1,739

Okaloosa County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	21.18	23.19	25.38	27.71	30.03	32.55
Domestic S.S. & Small Public S.S.	1.86	2.13	2.12	2.58	3.01	3.80
Commercial-Industrial Self-supplied	3.97	5.63	5.81	5.99	6.16	6.34
Recreational Irrigation	2.62	2.80	2.98	3.16	3.53	3.71
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	1.23	0.20	0.21	0.24	0.25	0.28

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	41.84	45.82	50.24	54.94	59.59	64.68
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	32.20	35.27	38.81	42.59	46.27	50.36
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.35	0.38	0.41	0.44	0.48

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	30.71	33.64	37.05	40.68	44.22	48.16
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.31	0.33	0.37	0.39	0.43

Okaloosa County ASC-1 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	6,276.25	17.20	32.54	22.85	21.30	138	124,183	92.7%	
Domestic S.S. & Small Public S.S.	494.39	1.35				138	9,782	7.3%	
Commercial-Industrial Self-supplied	1,385.30	3.80	N/A	N/A	N/A				
Recreational Irrigation	824.80	2.26							1,013
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	8,980.74	24.60					133,965		1,013

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	6,861.65	18.80	35.57	24.98	23.29	146	129,162	92.2%	
Domestic S.S. & Small Public S.S.	581.89	1.59				146	10,953	7.8%	
Commercial-Industrial Self-supplied	1,993.31	5.46	N/A	N/A	N/A				
Recreational Irrigation	857.79	2.35							1,053
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	10,294.64	28.20					140,115		1,053

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	7,439.08	20.38	38.57	27.09	25.25	145	140,292	92.6%	
Domestic S.S. & Small Public S.S.	598.19	1.64				145	11,281	7.4%	
Commercial-Industrial Self-supplied	2,057.22	5.64	N/A	N/A	N/A				
Recreational Irrigation	923.78	2.53							1,134
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	11,018.27	30.19					151,574		1,134

Okaloosa County ASC-1 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	8,043.78	22.04	41.70	29.29	27.30	147	149,777	91.9%	
Domestic S.S. & Small Public S.S.	711.90	1.95				147	13,256	8.1%	
Commercial-Industrial Self-supplied	2,121.60	5.81	N/A	N/A	N/A				
Recreational Irrigation	989.76	2.71							1,215
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	11,867.05	32.51					163,033		1,215

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	8,670.08	23.75	44.95	31.57	29.43	150	158,021	90.6%	
Domestic S.S. & Small Public S.S.	903.64	2.48				150	16,470	9.4%	
Commercial-Industrial Self-supplied	2,186.48	5.99	N/A	N/A	N/A				
Recreational Irrigation	1,088.74	2.98							1,337
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	12,848.93	35.20					174,491		1,337

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	9,326.36	25.55	48.35	33.96	31.66	155	165,075	88.8%	
Domestic S.S. & Small Public S.S.	1,179.37	3.23				155	20,875	11.2%	
Commercial-Industrial Self-supplied	2,251.86	6.17	N/A	N/A	N/A				
Recreational Irrigation	1,154.72	3.16							1,418
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	13,912.31	38.12					185,949		1,418

Okaloosa County ASC-1 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	17.20	18.80	20.38	22.04	23.75	25.55
Domestic S.S. & Small Public S.S.	1.35	1.59	1.64	1.95	2.48	3.23
Commercial-Industrial Self-supplied	3.80	5.46	5.64	5.81	5.99	6.17
Recreational Irrigation	2.26	2.35	2.53	2.71	2.98	3.16
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	32.54	35.57	38.57	41.70	44.95	48.35
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	22.85	24.98	27.09	29.29	31.57	33.96
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	21.30	23.29	25.25	27.30	29.43	31.66
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Okaloosa County ASC-1 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.89	1.89	1.89	1.88	1.88
Peak Month	1.33	1.33	1.33	1.33	1.34
Peak 3 Month	1.24	1.24	1.24	1.24	1.24

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Destin (GEO)	1031.60	1,147.68	1,286.32	1,441.70	1,615.86	1,811.06
Fort Walton Beach (UTIL)	1200.70	1,263.27	1,354.33	1,445.40	1,534.83	1,624.25
Niceville (LIN)	1021.40	1,148.05	1,300.55	1,453.06	1,605.57	1,758.07
Seminole Comm (LIN)	40.00	36.30	35.86	35.42	34.98	34.54
Valparaiso (EXP)	226.70	230.77	233.33	234.51	235.06	235.31
Mary Esther (GEO)	279.80	282.43	295.78	309.76	324.40	339.73
Okaloosa Co. Water & Sewer						
Main Water System (EXP)	1895.70	2,079.27	2,205.12	2,338.59	2,480.13	2,630.25
Bluewater-Raintree(Poly Eng)	375.95	434.35	463.55	496.40	525.60	554.80
Seashore Village/Co. West(LIN)	204.40	239.53	264.24	288.94	313.65	338.35
Total	6,276.25	6,861.65	7,439.08	8,043.78	8,670.08	9,326.36

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Destin (GEO)	2.83	3.14	3.52	3.95	4.43	4.96
Fort Walton Beach (UTIL)	3.29	3.46	3.71	3.96	4.21	4.45
Niceville (LIN)	2.80	3.15	3.56	3.98	4.40	4.82
Seminole Comm (LIN)	0.11	0.10	0.10	0.10	0.10	0.09
Valparaiso (EXP)	0.62	0.63	0.64	0.64	0.64	0.64
Mary Esther (GEO)	0.77	0.77	0.81	0.85	0.89	0.93
Okaloosa Co. Water & Sewer	-	-	-	-	-	-
Main Water System (EXP)	5.19	5.70	6.04	6.41	6.79	7.21
Bluewater-Raintree(Poly Eng)	1.03	1.19	1.27	1.36	1.44	1.52
Seashore Village/Co. West(LIN)	0.56	0.66	0.72	0.79	0.86	0.93
Total	17.20	18.80	20.38	22.04	23.75	25.55

Okaloosa County ASC-1 Summary

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Destin	1.64	1.41	1.35
Fort Walton Beach	1.50	1.21	1.15
Niceville	1.93	1.50	1.27
Seminole Comm	2.32	1.70	1.38
Valparaiso	2.28	1.68	1.30
Mary Esther	1.60	1.16	1.13
Okaloosa Co. Water & Sewer			
Main Water System	2.30	1.25	1.22
Bluewater-Raintree	1.62	1.26	1.18
Seashore Village/Co. West	1.85	1.40	1.32

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Destin	5.16	5.78	6.48	7.26	8.14
Fort Walton Beach	5.19	5.57	5.94	6.31	6.68
Niceville	6.07	6.88	7.68	8.49	9.30
Seminole Comm	0.23	0.23	0.23	0.22	0.22
Valparaiso	1.44	1.46	1.46	1.47	1.47
Mary Esther	1.24	1.30	1.36	1.42	1.49
Okaloosa Co. Water & Sewer	-	-	-	-	-
Main Water System	13.10	13.90	14.74	15.63	16.57
Bluewater-Raintree	1.93	2.06	2.20	2.33	2.46
Seashore Village/Co. West	1.21	1.34	1.46	1.59	1.71
Total	35.57	38.50	41.55	44.72	48.04

Okaloosa County ASC-1 Summary

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Destin	4.43	4.97	5.57	6.24	7.00
Fort Walton Beach	4.18	4.48	4.78	5.08	5.38
Niceville	4.72	5.34	5.97	6.60	7.22
Seminole Comm	0.17	0.17	0.16	0.16	0.16
Valparaiso	1.06	1.07	1.08	1.08	1.08
Mary Esther	0.90	0.94	0.98	1.03	1.08
Okaloosa Co. Water & Sewer	-	-	-	-	-
Main Water System	7.12	7.55	8.00	8.49	9.00
Bluewater-Raintree	1.50	1.60	1.71	1.81	1.91
Seashore Village/Co. West	0.92	1.01	1.11	1.20	1.30
Total	24.98	27.13	29.37	31.69	34.12

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Destin	4.24	4.75	5.32	5.97	6.69
Fort Walton Beach	3.98	4.27	4.55	4.84	5.12
Niceville	3.99	4.53	5.06	5.59	6.12
Seminole Comm	0.14	0.14	0.13	0.13	0.13
Valparaiso	0.82	0.83	0.84	0.84	0.84
Mary Esther	0.87	0.92	0.96	1.00	1.05
Okaloosa Co. Water & Sewer	-	-	-	-	-
Main Water System	6.97	7.39	7.84	8.32	8.82
Bluewater-Raintree	1.41	1.50	1.61	1.70	1.80
Seashore Village/Co. West	0.86	0.95	1.04	1.13	1.22
Total	23.29	25.27	27.35	29.51	31.78

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Okaloosa County ASC-1	92%	93%	92%	91%	89%

Okaloosa County ASC-1 Summary

Population Served by Utility

Year	2000	2005	2010	2015	2020
Destin	14,354	16,449	18,544	20,638	22,733
Fort Walton Beach	22,894	22,961	23,027	23,319	23,612
Niceville	16,775	18,735	20,695	22,655	24,615
Seminole Comm	629	588	543	505	463
Valparaiso	3,949	3,893	3,848	3,812	3,782
Mary Esther	5,969	6,453	6,936	7,419	7,902
Okaloosa Co. Water & Sewer	64,592	71,213	76,184	79,673	81,968
Main Water System					
Bluewater-Raintree					
Seashore Village/Co. West					
Total	129,162	140,292	149,777	158,021	165,075

Percentage of County Population in Area

Year	2000	2005	2010	2015	2020
Percent	81%	81%	81%	81%	81%

Total Area Population

Year	2000	2005	2010	2015	2020
Population	140,115	151,574	163,033	174,491	185,949

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Eglin AFB (Geo)	1669.27	1697.71	1726.62	1756.03	1785.94
Hurlburt Field (Lin)	324.04	359.51	394.98	430.45	465.92
Total	1993.31	2057.22	2121.60	2186.48	2251.86

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Eglin AFB (Geo)	4.57	4.65	4.73	4.81	4.89
Hurlburt Field (Lin)	0.89	0.98	1.08	1.18	1.28
Total	5.46	5.64	5.81	5.99	6.17

Okaloosa County ASC-1 Summary

Golf Course Projections

Base Year: 1995			Projected: 2000-2020 Water Use in Mgal				
			Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Population	133,965		2000	140,115	234	1053	857.79
Total Number of Holes	225		2005	151,574	252	1134	923.78
Holes Per Person	0.0016795		2010	163,033	270	1215	989.76
Total Number Acres Irrigated	1,013		2015	174,491	297	1337	1,088.74
Inches Per Acre	30		2020	185,949	315	1418	1,154.72
Total GC Water Use in Mgal	824.80						
Water Use Per Hole in Mgal	3.67						

Golf Course Name	Holes	Location
Bluewater Bay CC (1)	18	2000 Bluewater Blvd., Niceville, 32411
Bluewater Bay CC (2)	18	2000 Bluewater Blvd., Niceville, 32411
Emerald Bay Plantation	18	40001 Emerald Coast Highway, Destin, 32541
Ft. Walt. Bch Municiple GC (1)	18	P. O. Box 4009, Ft. Walton Beach, 32549
Ft. Walt. Bch Municiple GC (2)	18	P. O. Box 4009, Ft. Walton Beach, 32549
Gator Lakes Golf Course	18	91300 Golf Course Rd., Hurlburt Field, 32544
Indian Bayou Golf & CC (1)	18	Airport Road, Destin, 32541
Indian Bayou Golf & CC (2)	9	Airport Road, Destin, 32541
Island Golf Center	9	1306 Miracle Strip Parkway, Ft Walton Bch., 32548
Rockey Bayou Golf Course	18	Country Club Drive, Niceville, 32578
Sandpiper Cove GC	9	off Highway 98, Destin, 32541
Shalimar Pointe Golf & CC	18	2 Country Club Drive, Shalimar, 32579
USAF: Eglin AFB GC (1)	18	1527 Fairway Drive, Niceville, 32578
USAF: Eglin AFB GC (2)	18	1527 Fairway Drive, Niceville, 32578
Total	225	

Okaloosa County NonASC-1 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,455.40	3.99	9.31	9.35	9.40	156	25,482	88.7%	
Domestic S.S. & Small Public S.S.	186.19	0.51				156	3,260	11.3%	
Commercial-Industrial Self-supplied	63.40	0.17	N/A	N/A	N/A				
Recreational Irrigation	131.97	0.36							162
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,836.96	5.03					28,742		162

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,602.13	4.39	10.24	10.29	10.35	150	29,320	89.2%	
Domestic S.S. & Small Public S.S.	193.80	0.53				150	3,547	10.8%	
Commercial-Industrial Self-supplied	63.40	0.17	N/A	N/A	N/A				
Recreational Irrigation	164.96	0.45							203
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	2,024.29	5.55					32,867		203

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,825.94	5.00	11.68	11.73	11.80	154	32,409	91.2%	
Domestic S.S. & Small Public S.S.	177.21	0.49				154	3,145	8.8%	
Commercial-Industrial Self-supplied	63.40	0.17	N/A	N/A	N/A				
Recreational Irrigation	164.96	0.45							203
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	2,231.51	6.11					35,554		203

Okaloosa County NonASC-1 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,071.01	5.67	13.24	13.30	13.38	165	34,443	90.1%	
Domestic S.S. & Small Public S.S.	228.44	0.63				165	3,799	9.9%	
Commercial-Industrial Self-supplied	63.40	0.17	N/A	N/A	N/A				
Recreational Irrigation	164.96	0.45							203
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	2,527.81	6.93					38,242		203

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,289.64	6.27	14.64	14.70	14.79	166	37,726	92.2%	
Domestic S.S. & Small Public S.S.	194.45	0.53				166	3,204	7.8%	
Commercial-Industrial Self-supplied	63.40	0.17	N/A	N/A	N/A				
Recreational Irrigation	197.95	0.54							243
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	2,745.44	7.52					40,930		243

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,554.14	7.00	16.33	16.40	16.50	173	40,363	92.5%	
Domestic S.S. & Small Public S.S.	205.96	0.56				173	3,255	7.5%	
Commercial-Industrial Self-supplied	63.40	0.17	N/A	N/A	N/A				
Recreational Irrigation	197.95	0.54							243
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	3,021.45	8.28					43,618		243

Okaloosa County NonASC-1 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	3.99	4.39	5.00	5.67	6.27	7.00
Domestic S.S. & Small Public S.S.	0.51	0.53	0.49	0.63	0.53	0.56
Commercial-Industrial Self-supplied	0.17	0.17	0.17	0.17	0.17	0.17
Recreational Irrigation	0.36	0.45	0.45	0.45	0.54	0.54
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	9.31	10.24	11.68	13.24	14.64	16.33
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	9.35	10.29	11.73	13.30	14.70	16.40
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.17	0.17	0.17	0.17	0.17
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	9.40	10.35	11.80	13.38	14.79	16.50
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Okaloosa County NonASC-1 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	2.33	2.34	2.36	2.37	2.39
Peak Month	1.62	1.62	1.63	1.62	1.62
Peak 3 Month	1.25	1.25	1.26	1.25	1.25

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Auburn (GEO)	403.70	442.17	517.34	605.30	656.37	740.40
Baker (LIN)	57.40	66.97	74.40	81.83	89.26	96.69
Crestview (LIN)	744.60	782.35	873.69	965.03	1,056.38	1,147.72
Holt (LIN)	32.00	33.71	38.41	43.11	47.81	52.50
OCWS/Mid-County(GEO)	122.00	166.09	189.84	216.98	248.01	283.47
Milligan (GEO)	49.30	58.07	75.22	97.44	126.21	163.49
Laurel Hill (LIN)	46.40	52.77	57.04	61.32	65.60	69.87
Total	1,455.40	1,602.13	1,825.94	2,071.01	2,289.64	2,554.14

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Auburn (GEO)	1.11	1.21	1.42	1.66	1.80	2.03
Baker (LIN)	0.16	0.18	0.20	0.22	0.24	0.26
Crestview (LIN)	2.04	2.14	2.39	2.64	2.89	3.14
Holt (LIN)	0.09	0.09	0.11	0.12	0.13	0.14
OCWS/Mid-County(GEO)	0.33	0.46	0.52	0.59	0.68	0.78
Milligan (GEO)	0.14	0.16	0.21	0.27	0.35	0.45
Laurel Hill (LIN)	0.13	0.14	0.16	0.17	0.18	0.19
Total	3.99	4.39	5.00	5.67	6.27	7.00

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Auburn	2.48	1.90	1.38
Baker	2.93	1.67	1.22
Crestview	1.50	1.50	1.21
Holt	1.79	1.60	1.25
OCWS/Mid-County	5.65	1.56	1.13
Milligan	2.47	1.38	1.20
Laurel Hill	2.49	1.56	1.38

Okaloosa County NonASC-1 Summary

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Auburn	3.00	3.52	4.11	4.46	5.03
Baker	0.54	0.60	0.66	0.72	0.78
Crestview	3.21	3.59	3.96	4.34	4.71
Holt	0.17	0.19	0.21	0.23	0.26
OCWS/Mid-County	2.57	2.94	3.36	3.84	4.39
Milligan	0.39	0.51	0.66	0.85	1.11
Laurel Hill	0.36	0.39	0.42	0.45	0.48
Total	10.24	11.73	13.38	14.89	16.75

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Auburn	2.30	2.69	3.15	3.41	3.85
Baker	0.31	0.34	0.37	0.41	0.44
Crestview	3.21	3.59	3.96	4.34	4.71
Holt	0.15	0.17	0.19	0.21	0.23
OCWS/Mid-County	0.71	0.81	0.93	1.06	1.21
Milligan	0.22	0.28	0.37	0.48	0.62
Laurel Hill	0.23	0.24	0.26	0.28	0.30
Total	7.12	8.12	9.23	10.18	11.36

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Auburn	1.67	1.96	2.29	2.48	2.80
Baker	0.22	0.25	0.27	0.30	0.32
Crestview	2.59	2.89	3.19	3.50	3.80
Holt	0.12	0.13	0.15	0.16	0.18
OCWS/Mid-County	0.51	0.59	0.67	0.77	0.88
Milligan	0.19	0.25	0.32	0.41	0.54
Laurel Hill	0.20	0.22	0.23	0.25	0.26
Total	5.50	6.28	7.13	7.87	8.78

Okaloosa County NonASC-1 Summary

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Okaloosa County NonASC-1	89%	91%	90%	92%	93%

Population Served by Utility

Year	2000	2005	2010	2015	2020
Auburn	9,563	10,930	12,296	12,663	13,430
Baker	1,638	1,730	1,823	1,915	2,008
Crestview	10,780	11,108	11,437	11,766	12,095
Holt	1,039	1,123	1,207	1,291	1,375
OCWS/Mid-County	3,297	3,965	4,601	5,207	5,790
Milligan	1,522	1,901	1,257	2,891	3,502
Laurel Hill	1,481	1,652	1,822	1,993	2,163
Total	29,320	32,409	34,443	37,726	40,363

Total Area Population

Year	2000	2005	2010	2015	2020
Population	32,867	35,554	38,242	40,930	43,618

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
FDOC: Okaloosa Corr Facility	63.40	63.40	63.40	63.40	63.40
Total	63.40	63.40	63.40	63.40	63.40

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
FDOC: Okaloosa Corr Facility	0.17	0.17	0.17	0.17	0.17
Total	0.17	0.17	0.17	0.17	0.17

Okaloosa County NonASC-1 Summary

Golf Course Projections

Base Year: 1995			Projected: 2000-2020 Water Use in Mgal				
			Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Population	28,742		2000	32,867	45	203	164.96
Total Number of Holes	36		2005	35,554	45	203	164.96
Holes Per Person	0.0012525		2010	38,242	45	203	164.96
Total Number Acres Irrigated	162		2015	40,930	54	243	197.95
Inches Per Acre	30		2020	43,618	54	243	197.95
Total GC Water Use in Mgal	131.97						
Water Use Per Hole in Mgal	3.67						

Golf Course Name	Holes	Location
Foxwood Country Club	18	Antioch Road, Crestview, 32353
Shoal River GC	18	1100 Shoal River Drive, Crestview, 32536
Total	36	

Santa Rosa County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	4,564.90	12.51	25.80	25.88	25.99	139	90,247	93.9%	
Domestic S.S. & Small Public S.S.	323.30	0.89				152	5,844	6.1%	
Commercial-Industrial Self-supplied	2,263.00	6.20	7.61	7.64	6.93				
Recreational Irrigation	560.87	1.54							689
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	77.02	0.21	N/A	N/A	N/A				N/A
Total	7,789.09	21.34					96,091		689

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	5,270.71	14.44	29.74	29.83	29.95	130	110,805	93.6%	
Domestic S.S. & Small Public S.S.	380.80	1.04				137	7,607	6.4%	
Commercial-Industrial Self-supplied	2,263.00	6.20	7.61	7.64	6.93				
Recreational Irrigation	692.83	1.90							851
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	124.47	0.34	N/A	0.60	0.53				97
Total	8,731.81	23.92					118,412		948

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	6,018.68	16.49	33.94	34.05	34.19	139	118,511	93.9%	
Domestic S.S. & Small Public S.S.	390.15	1.07				140	7,653	6.1%	
Commercial-Industrial Self-supplied	2,445.50	6.70	8.27	8.30	7.52				
Recreational Irrigation	758.82	2.08							932
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	132.86	0.36	N/A	0.64	0.57				105
Total	9,746.01	26.70					126,164		1,037

Santa Rosa County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	6,792.93	18.61	38.29	38.41	38.57	142	130,912	96.4%	
Domestic S.S. & Small Public S.S.	253.60	0.69				143	4,858	3.6%	
Commercial-Industrial Self-supplied	2,628.00	7.20	8.94	8.96	8.11				
Recreational Irrigation	824.80	2.26							1,013
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	146.37	0.40	N/A	0.71	0.62				116
Total	10,645.70	29.17					135,770		1,129

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	7,566.28	20.73	42.64	42.78	42.96	145	143,353	96.0%	
Domestic S.S. & Small Public S.S.	315.45	0.86				145	5,948	4.0%	
Commercial-Industrial Self-supplied	2,810.50	7.70	9.60	9.62	8.70				
Recreational Irrigation	890.79	2.44							1,094
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	156.95	0.43	N/A	0.76	0.67				126
Total	11,739.97	32.16					149,300		1,220

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	8,292.00	22.72	46.71	46.86	47.06	146	155,826	95.9%	
Domestic S.S. & Small Public S.S.	355.46	0.97				146	6,649	4.1%	
Commercial-Industrial Self-supplied	2,993.00	8.20	10.27	10.28	9.29				
Recreational Irrigation	956.77	2.62							1,175
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	171.19	0.47	N/A	0.82	0.64				135
Total	12,768.42	34.98					162,475		1,310

Santa Rosa County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	12.51	14.44	16.49	18.61	20.73	22.72
Domestic S.S. & Small Public S.S.	0.89	1.04	1.07	0.69	0.86	0.97
Commercial-Industrial Self-supplied	6.20	6.20	6.70	7.20	7.70	8.20
Recreational Irrigation	1.54	1.90	2.08	2.26	2.44	2.62
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	0.21	0.34	0.36	0.40	0.43	0.47

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	25.80	29.74	33.94	38.29	42.64	46.71
Domestic S.S. & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	7.61	7.61	8.27	8.94	9.60	10.27
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	25.88	29.83	34.05	38.41	42.78	46.86
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	7.64	7.64	8.30	8.96	9.62	10.28
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.60	0.64	0.71	0.76	0.82

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	25.99	29.95	34.19	38.57	42.96	47.06
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	6.93	6.93	7.52	8.11	8.70	9.29
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.53	0.57	0.62	0.67	0.64

Santa Rosa County ASC-1 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,843.20	5.05	9.70	9.79	9.85	166	30,432	88.9%	
Domestic S.S. & Small Public S.S.	230.70	0.63				166	3,809	11.1%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	263.94	0.72							324
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	2,337.84	6.41					34,241		324

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,213.84	6.07	11.65	11.76	11.84	144	42,120	88.9%	
Domestic S.S. & Small Public S.S.	275.67	0.76				144	5,245	11.1%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	362.91	0.99							446
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	2,852.42	7.81					47,365		446

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,560.03	7.01	13.47	13.59	13.69	149	47,164	93.5%	
Domestic S.S. & Small Public S.S.	179.21	0.49				149	3,302	6.5%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	395.91	1.08							486
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	3,135.14	8.59					50,466		486

Santa Rosa County ASC-1 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,906.23	7.96	15.30	15.43	15.54	153	52,135	96.0%	
Domestic S.S. & Small Public S.S.	121.13	0.33				153	2,173	4.0%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	428.90	1.18							527
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	3,456.25	9.47					54,308		527

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	3,251.88	8.91	17.12	17.27	17.38	156	57,127	95.7%	
Domestic S.S. & Small Public S.S.	147.63	0.40				156	2,594	4.3%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	461.89	1.27							567
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	3,861.41	10.58					59,720		567

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	3,597.52	9.86	18.93	19.10	19.23	159	62,128	95.6%	
Domestic S.S. & Small Public S.S.	165.72	0.45				159	2,862	4.4%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	494.88	1.36							608
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	4,258.13	11.67					64,990		608

Santa Rosa County ASC-1 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	5.05	6.07	7.01	7.96	8.91	9.86
Domestic S.S. & Small Public S.S.	0.63	0.76	0.49	0.33	0.40	0.45
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation	0.72	0.99	1.08	1.18	1.27	1.36
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	9.70	11.65	13.47	15.30	17.12	18.93
Domestic S.S. & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	9.79	11.76	13.59	15.43	17.27	19.10
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	9.85	11.84	13.69	15.54	17.38	19.23
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Santa Rosa County ASC-1 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.92	1.94	1.95	1.96	1.97
Peak Month	1.39	1.39	1.39	1.39	1.39
Peak 3 Month	1.27	1.28	1.28	1.28	1.28

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Gulf Breeze (LIN)	289.30	326.83	346.80	366.76	386.72	406.69
Holley Navarre (LIN)	538.80	689.19	857.69	1,026.20	1,194.71	1,363.21
Midway (LIN)	628.30	705.83	815.09	924.35	1,033.61	1,142.86
Navarre Beach (UTIL)	97.50	133.96	140.16	146.37	152.02	157.68
South Santa Rosa (LIN)	289.30	358.03	400.29	442.55	484.82	527.08
Total	1,843.20	2,213.84	2,560.03	2,906.23	3,251.88	3,597.52

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Gulf Breeze (LIN)	0.79	0.90	0.95	1.00	1.06	1.11
Holley Navarre (LIN)	1.48	1.89	2.35	2.81	3.27	3.73
Midway (LIN)	1.72	1.93	2.23	2.53	2.83	3.13
Navarre Beach (UTIL)	0.27	0.37	0.38	0.40	0.42	0.43
South Santa Rosa (LIN)	0.79	0.98	1.10	1.21	1.33	1.44
Total	5.05	6.07	7.01	7.96	8.91	9.86

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Gulf Breeze	1.73	1.43	1.29
Holley Navarre	2.39	1.41	1.28
Midway	1.87	1.40	1.30
Navarre Beach	1.84	1.33	1.21
South Santa Rosa	1.32	1.32	1.23

Santa Rosa County ASC-1 Summary

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Gulf Breeze	1.55	1.64	1.74	1.83	1.93
Holley Navarre	4.51	5.62	6.72	7.82	8.93
Midway	3.62	4.18	4.74	5.30	5.86
Navarre Beach	0.68	0.71	0.74	0.77	0.79
South Santa Rosa	1.30	1.45	1.61	1.76	1.91
Total	11.65	13.59	15.54	17.48	19.42

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Gulf Breeze	1.28	1.36	1.44	1.52	1.60
Holley Navarre	2.65	3.30	3.95	4.60	5.25
Midway	2.71	3.13	3.55	3.97	4.39
Navarre Beach	0.49	0.51	0.53	0.55	0.57
South Santa Rosa	1.30	1.45	1.61	1.76	1.91
Total	8.44	9.76	11.09	12.41	13.73

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Gulf Breeze	1.16	1.23	1.30	1.37	1.44
Holley Navarre	2.41	3.00	3.59	4.18	4.77
Midway	2.51	2.89	3.28	3.67	4.06
Navarre Beach	0.44	0.46	0.49	0.50	0.52
South Santa Rosa	1.21	1.35	1.49	1.64	1.78
Total	7.73	8.94	10.16	11.37	12.58

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Santa Rosa County ASC-1	89%	93%	96%	96%	96%

Santa Rosa County ASC-1 Summary

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Gulf Breeze	6,228	6,519	6,824	7,143	7,477
Holley Navarre	11,732	13,980	16,228	18,475	20,723
Midway	11,418	13,567	15,717	17,867	20,017
Navarre Beach	3,643	3,880	4,117	4,385	4,652
South Santa Rosa	9,099	9,218	9,249	9,257	9,259
Total	42,120	47,164	52,135	57,127	62,128

Percentage of County Population in Area

Year	2000	2005	2010	2015	2020
Percent	40%	40%	40%	40%	40%

Total Area Population

Year	2000	2005	2010	2015	2020
Population	47,365	50,466	54,308	59,720	64,990

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal					
Total Population	34,241		Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Number of Holes	72		2000	47,365	99	446	362.91
Holes Per Person	0.0021027		2005	50,466	108	486	395.91
Total Number Acres Irrigated	324		2010	54,308	117	527	428.90
Inches Per Acre	30		2015	59,720	126	567	461.89
Total GC Water Use in Mgal	263.94		2020	64,990	135	608	494.88
Water Use Per Hole in Mgal	3.67						

Golf Course Name Holes Location

Club at Hidden Creek, The	18	3070 PGA Blvd., Navarre, 32566
Santa Rosa Golf & Beach Club	18	Highway 30A, Santa Rosa Beach, 32459
Tiger Point Golf & CC (1)	18	1255 Country Club Road, Gulf Breeze, 32561
Tiger Point Golf & CC (2)	18	1255 Country Club Road, Gulf Breeze, 32561

Total 72

Santa Rosa County NonASC-1 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,721.70	7.46	16.10	16.09	16.13	125	59,815	96.7%	
Domestic S.S. & Small Public S.S.	92.60	0.25				125	2,035	3.3%	
Commercial-Industrial Self-supplied	2,263.00	6.20	7.61	7.64	6.93				
Recreational Irrigation	296.93	0.81							365
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	5,374.23	14.72					61,850		365

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	3,056.87	8.37	18.08	18.08	18.12	122	68,685	96.7%	
Domestic S.S. & Small Public S.S.	105.13	0.29				122	2,362	3.3%	
Commercial-Industrial Self-supplied	2,263.00	6.20	7.61	7.64	6.93				
Recreational Irrigation	329.92	0.90							405
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	5,754.92	15.77					71,047		405

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	3,458.65	9.48	20.46	20.45	20.50	133	71,347	94.3%	
Domestic S.S. & Small Public S.S.	210.94	0.58				133	4,351	5.7%	
Commercial-Industrial Self-supplied	2,445.50	6.70	8.27	8.30	7.52				
Recreational Irrigation	362.91	0.99							446
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	6,478.00	17.75					75,698		446

Santa Rosa County NonASC-1 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	3,886.70	10.65	22.99	22.98	23.04	135	78,777	96.7%	
Domestic S.S. & Small Public S.S.	132.47	0.36				135	2,685	3.3%	
Commercial-Industrial Self-supplied	2,628.00	7.20	8.94	8.96	8.11				
Recreational Irrigation	395.91	1.08							486
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	7,043.08	19.30					81,462		486

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	4,314.40	11.82	25.52	25.51	25.57	137	86,226	96.3%	
Domestic S.S. & Small Public S.S.	167.82	0.46				137	3,354	3.7%	
Commercial-Industrial Self-supplied	2,810.50	7.70	9.60	9.62	8.70				
Recreational Irrigation	428.90	1.18							527
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	7,721.62	21.16					89,580		527

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	4,694.48	12.86	27.77	27.76	27.82	137	93,698	96.1%	
Domestic S.S. & Small Public S.S.	189.74	0.52				137	3,787	3.9%	
Commercial-Industrial Self-supplied	2,993.00	8.20	10.27	10.28	9.29				
Recreational Irrigation	461.89	1.27							567
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	8,339.11	22.85					97,485		567

Santa Rosa County NonASC-1 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	7.46	8.37	9.48	10.65	11.82	12.86
Domestic S.S. & Small Public S.S.	0.25	0.29	0.58	0.36	0.46	0.52
Commercial-Industrial Self-supplied	6.20	6.20	6.70	7.20	7.70	8.20
Recreational Irrigation	0.81	0.90	0.99	1.08	1.18	1.27
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	16.10	18.08	20.46	22.99	25.52	27.77
Domestic S.S. & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	7.61	7.61	8.27	8.94	9.60	10.27
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	16.09	18.08	20.45	22.98	25.51	27.76
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	7.64	7.64	8.30	8.96	9.62	10.28
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	16.13	18.12	20.50	23.04	25.57	27.82
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	6.93	6.93	7.52	8.11	8.70	9.29
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Santa Rosa County NonASC-1 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	2.16	2.16	2.16	2.17	2.17
Peak Month	1.61	1.61	1.62	1.62	1.62
Peak 3 Month	1.32	1.32	1.32	1.32	1.32

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Bagdad/Garron (LIN)	142.10	163.76	186.40	209.04	231.68	254.32
Berrydale (LIN)	78.30	91.66	108.09	124.52	140.94	157.37
Chumuckula (GEO)	99.30	104.96	125.80	150.77	180.69	158.16
East Milton (LIN)	279.90	352.74	433.78	514.82	595.86	676.90
Jay (LOG)	101.50	100.09	100.18	100.19	100.19	100.19
Milton (LIN)	724.00	756.03	807.55	859.07	910.59	962.10
Moore Cree/Mt Carmel (GEO)	111.40	120.77	131.99	165.42	193.59	226.57
Pace (LIN)	944.50	1,080.75	1,237.46	1,394.17	1,550.87	1,707.58
Point Baker (LIN)	240.70	286.11	327.40	368.70	409.99	451.29
Total	2,721.70	3,056.87	3,458.65	3,886.70	4,314.40	4,694.48

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Bagdad/Garron (LIN)	0.39	0.45	0.51	0.57	0.63	0.70
Berrydale (LIN)	0.21	0.25	0.30	0.34	0.39	0.43
Chumuckula (GEO)	0.27	0.29	0.34	0.41	0.50	0.43
East Milton (LIN)	0.77	0.97	1.19	1.41	1.63	1.85
Jay (LOG)	0.28	0.27	0.27	0.27	0.27	0.27
Milton (LIN)	1.98	2.07	2.21	2.35	2.49	2.64
Moore Cree/Mt Carmel (GEO)	0.31	0.33	0.36	0.45	0.53	0.62
Pace (LIN)	2.59	2.96	3.39	3.82	4.25	4.68
Point Baker (LIN)	0.66	0.78	0.90	1.01	1.12	1.24
Total	7.46	8.37	9.48	10.65	11.82	12.86

Santa Rosa County NonASC-1 Summary

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Bagdad/Garron	2.19	1.63	1.40
Berrydale	2.25	1.35	1.26
Chumuckula	2.39	1.40	1.22
East Milton	2.19	1.48	1.28
Jay	2.36	1.32	1.19
Milton	2.11	1.51	1.26
Moore Cree/Mt Carmel	3.18	1.92	1.38
Pace	1.99	1.74	1.37
Point Baker	2.26	1.71	1.36

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Bagdad/Garron	0.98	1.12	1.25	1.39	1.53
Berrydale	0.57	0.67	0.77	0.87	0.97
Chumuckula	0.69	0.82	0.99	1.18	1.04
East Milton	2.12	2.60	3.09	3.58	4.06
Jay	0.65	0.65	0.65	0.65	0.65
Milton	4.37	4.67	4.97	5.26	5.56
Moore Cree/Mt Carmel	1.05	1.15	1.44	1.69	1.97
Pace	5.89	6.75	7.60	8.46	9.31
Point Baker	1.77	2.03	2.28	2.54	2.79
Total	18.08	20.45	23.04	25.61	27.88

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Bagdad/Garron	0.73	0.83	0.93	1.04	1.14
Berrydale	0.34	0.40	0.46	0.52	0.58
Chumuckula	0.40	0.48	0.58	0.69	0.60
East Milton	1.43	1.75	2.08	2.41	2.74
Jay	0.36	0.36	0.36	0.36	0.36
Milton	3.13	3.34	3.56	3.77	3.98
Moore Cree/Mt Carmel	0.64	0.70	0.87	1.02	1.19
Pace	5.14	5.89	6.63	7.38	8.12
Point Baker	1.34	1.54	1.73	1.92	2.12
Total	13.51	15.29	17.20	19.11	20.84

Santa Rosa County NonASC-1 Summary

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Bagdad/Garron	0.63	0.71	0.80	0.89	0.97
Berrydale	0.32	0.37	0.43	0.49	0.54
Chumuckula	0.35	0.42	0.50	0.60	0.53
East Milton	1.23	1.52	1.80	2.08	2.36
Jay	0.33	0.33	0.33	0.33	0.33
Milton	2.61	2.79	2.97	3.14	3.32
Moore Cree/Mt Carmel	0.46	0.50	0.62	0.73	0.85
Pace	4.04	4.63	5.22	5.80	6.39
Point Baker	1.06	1.22	1.37	1.53	1.68
Total	11.02	12.48	14.03	15.58	16.98

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Santa Rosa County NonASC-1	97%	94%	97%	96%	96%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Bagdad/Garron	4,229	4,703	5,178	5,652	6,127
Berrydale	1,753	1,928	2,120	2,331	2,563
Chumuckula	2,609	2,956	3,303	3,650	3,996
East Milton	6,615	7,376	8,137	8,898	9,660
Jay	6,228	1,476	1,475	1,475	1,474
Milton	15,986	17,429	18,871	20,314	21,757
Moore Cree/Mt Carmel	2,666	2,812	2,959	3,105	3,252
Pace	22,241	25,372	28,502	31,632	34,763
Point Baker	6,358	7,295	8,232	9,169	10,106
Total	68,685	71,347	78,777	86,226	93,698

Total Area Population

Year	2000	2005	2010	2015	2020
Population	71,047	75,698	81,462	89,580	97,485

Santa Rosa County NonASC-1 Summary

Golf Course Projections

Base Year: 1995			Projected: 2000-2020 Water Use in Mgal				
			Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Population	61,850		2000	71,047	90	405	329.92
Total Number of Holes	81		2005	75,698	99	446	362.91
Holes Per Person	0.0013096		2010	81,462	108	486	395.91
Total Number Acres Irrigated	365		2015	89,580	117	527	428.90
Inches Per Acre	30		2020	97,485	126	567	461.89
Total GC Water Use in Mgal	296.93						
Water Use Per Hole in Mgal	3.67						

Golf Course Name Holes Location

The Moors GC	18	Milton
Tanglewood Golf & CC	18	Tanglewood Drive, Milton, 32570
Stonebrook Village Golf Center	27	3200 Coblestone Drive, Pace, 32571
US Navy: Whiting Field Navy G	18	MWR Dept. Bldg. 2895 WFN Golf Course, Milton, 32570
Total	81	

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Cytec/Sterling Fibers	1095.00	1277.50	1460.00	1642.50	1825.00
Air Products	1168.00	1168.00	1168.00	1168.00	1168.00
Total	2263.00	2445.50	2628.00	2810.50	2993.00

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Cytec/Sterling Fibers	3.00	3.50	4.00	4.50	5.00
Air Products	3.20	3.20	3.20	3.20	3.20
Total	6.20	6.70	7.20	7.70	8.20

Commercial-Industrial Ratios

Ratios	Maximum Day	Peak Month	Peak 3 Month
Cytec/Sterling Fibers	1.33	1.32	1.18
Air Products	1.13	1.15	1.06
Total	2.46	2.47	2.24

Santa Rosa County NonASC-1 Summary

Commercial-Industrial: Projected Max Day

Year	2000	2005	2010	2015	2020
Cytec/Sterling Fibers	3.99	4.66	5.32	5.99	6.65
Air Products	3.62	3.62	3.62	3.62	3.62
Total	7.61	8.27	8.94	9.60	10.27

Commercial-Industrial: Projected Peak Month

Year	2000	2005	2010	2015	2020
Cytec/Sterling Fibers	3.96	4.62	5.28	5.94	6.60
Air Products	3.68	3.68	3.68	3.68	3.68
Total	7.64	8.30	8.96	9.62	10.28

Commercial-Industrial: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Cytec/Sterling Fibers	3.54	4.13	4.72	5.31	5.90
Air Products	3.39	3.39	3.39	3.39	3.39
Total	6.93	7.52	8.11	8.70	9.29

Walton County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,588.65	4.35	7.54	7.54	7.55	146	29,799	89.2%	
Domestic S.S. & Small Public S.S.	188.85	0.52				143	3,616	10.8%	
Commercial-Industrial Self-supplied	584.00	1.60	4.16	2.02	1.82				
Recreational Irrigation	461.89	1.27							567
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	18.98	0.05	N/A	N/A	N/A				N/A
Total	2,842.37	7.79					33,415		567

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,862.98	5.10	8.85	8.86	8.87	161	31,788	89.5%	
Domestic S.S. & Small Public S.S.	217.98	0.60				160	3,732	10.5%	
Commercial-Industrial Self-supplied	584.00	1.60	4.16	2.02	1.82				
Recreational Irrigation	494.88	1.36							608
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	16.73	0.05	N/A	0.12	0.10				41
Total	3,176.57	8.70					35,520		649

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,119.46	5.81	10.09	10.10	10.11	167	34,680	90.2%	
Domestic S.S. & Small Public S.S.	230.17	0.63				167	3,771	9.8%	
Commercial-Industrial Self-supplied	584.00	1.60	4.16	2.02	1.82				
Recreational Irrigation	527.87	1.45							648
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	17.16	0.05	N/A	0.12	0.10				41
Total	3,478.67	9.53					38,451		689

Walton County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,371.97	6.50	11.31	11.32	11.33	174	37,353	89.8%	
Domestic S.S. & Small Public S.S.	264.78	0.73				171	4,242	10.2%	
Commercial-Industrial Self-supplied	584.00	1.60	4.16	2.02	1.82				
Recreational Irrigation	560.87	1.54							689
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	18.62	0.05	N/A	0.13	0.10				42
Total	3,800.24	10.41					41,595		731

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,627.23	7.20	12.54	12.55	12.56	180	39,880	88.2%	
Domestic S.S. & Small Public S.S.	336.99	0.92				174	5,317	11.8%	
Commercial-Industrial Self-supplied	602.25	1.65	4.29	2.08	1.88				
Recreational Irrigation	626.85	1.72							770
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	19.71	0.05	N/A	0.13	0.11				44
Total	4,213.03	11.54					45,197		814

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,886.12	7.91	13.79	13.80	13.82	187	42,310	84.1%	
Domestic S.S. & Small Public S.S.	519.02	1.42				178	7,999	15.9%	
Commercial-Industrial Self-supplied	625.50	1.71	4.46	2.16	1.95				
Recreational Irrigation	692.83	1.90							851
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	21.90	0.06	N/A	0.15	0.12				50
Total	4,745.37	13.00					50,309		901

Walton County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	4.35	5.10	5.81	6.50	7.20	7.91
Domestic S.S. & Small Public S.S.	0.52	0.60	0.63	0.73	0.92	1.42
Commercial-Industrial Self-supplied	1.60	1.60	1.60	1.60	1.65	1.71
Recreational Irrigation	1.27	1.36	1.45	1.54	1.72	1.90
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	0.05	0.05	0.05	0.05	0.05	0.06

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	7.54	8.85	10.09	11.31	12.54	13.79
Domestic S.S. & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	4.16	4.16	4.16	4.16	4.29	4.46
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	7.54	8.86	10.10	11.32	12.55	13.80
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	2.02	2.02	2.02	2.02	2.08	2.16
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.12	0.12	0.13	0.13	0.15

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	7.55	8.87	10.11	11.33	12.56	13.82
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	1.82	1.82	1.82	1.82	1.88	1.95
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.10	0.10	0.10	0.11	0.12

Walton County ASC-1 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,098.25	3.01	5.31	5.31	5.32	138	21,865	88.0%	
Domestic S.S. & Small Public S.S.	150.28	0.41				138	2,992	12.0%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	461.89	1.27							567
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,710.42	4.69					24,857		567

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,328.21	3.64	6.42	6.42	6.43	158	22,999	88.7%	
Domestic S.S. & Small Public S.S.	169.22	0.46				158	2,930	11.3%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	494.88	1.36							608
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,992.31	5.46					25,930		608

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,572.96	4.31	7.60	7.61	7.62	168	25,640	91.3%	
Domestic S.S. & Small Public S.S.	149.06	0.41				168	2,430	8.7%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	527.87	1.45							648
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	2,249.89	6.16					28,069		648

Walton County ASC-1 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,818.21	4.98	8.79	8.79	8.81	178	28,051	92.4%	
Domestic S.S. & Small Public S.S.	149.97	0.41				178	2,314	7.6%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	560.87	1.54							689
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	2,529.04	6.93					30,364		689

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,068.02	5.67	10.00	10.00	10.02	187	30,295	91.8%	
Domestic S.S. & Small Public S.S.	184.24	0.50				187	2,699	8.2%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	626.85	1.72							770
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	2,879.11	7.89					32,994		770

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,322.13	6.36	11.22	11.23	11.25	196	32,417	88.3%	
Domestic S.S. & Small Public S.S.	308.63	0.85				196	4,308	11.7%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	692.83	1.90							851
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	3,323.59	9.11					36,726		851

Walton County ASC-1 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	3.01	3.64	4.31	4.98	5.67	6.36
Domestic S.S. & Small Public S.S.	0.41	0.46	0.41	0.41	0.50	0.85
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation	1.27	1.36	1.45	1.54	1.72	1.90
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	5.31	6.42	7.60	8.79	10.00	11.22
Domestic S.S. & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	5.31	6.42	7.61	8.79	10.00	11.23
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	5.32	6.43	7.62	8.81	10.02	11.25
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Walton County ASC-1 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.76	1.77	1.77	1.77	1.78
Peak Month	1.53	1.52	1.52	1.52	1.52
Peak 3 Month	1.38	1.38	1.38	1.38	1.38

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Freeport (LIN)	106.80	116.48	142.31	168.14	193.97	219.80
Inlet Beach (GEO)	25.10	33.00	42.29	54.19	69.43	88.97
Regional Utilities (LIN)	264.25	388.16	488.21	588.25	688.29	788.33
Smith Water Co. (GEO)	45.50	48.00	52.71	55.32	59.15	62.98
South Walton (LIN)	656.60	742.57	847.44	952.31	1,057.18	1,162.05
Total	1,098.25	1,328.21	1,572.96	1,818.21	2,068.02	2,322.13

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Freeport (LIN)	0.29	0.32	0.39	0.46	0.53	0.60
Inlet Beach (GEO)	0.07	0.09	0.12	0.15	0.19	0.24
Regional Utilities (LIN)	0.72	1.06	1.34	1.61	1.89	2.16
Smith Water Co. (GEO)	0.12	0.13	0.14	0.15	0.16	0.17
South Walton (LIN)	1.80	2.03	2.32	2.61	2.90	3.18
Total	3.01	3.64	4.31	4.98	5.67	6.36

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Freeport	1.56	1.56	1.29
Inlet Beach	3.39	2.00	1.67
Regional Utilities	1.71	1.41	1.35
Smith Water Co.	2.43	2.58	1.40
South Walton	1.71	1.49	1.40

Walton County ASC-1 Summary

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Freeport	0.50	0.61	0.72	0.83	0.94
Inlet Beach	0.31	0.39	0.50	0.64	0.83
Regional Utilities	1.82	2.29	2.76	3.22	3.69
Smith Water Co.	0.32	0.35	0.37	0.39	0.42
South Walton	3.48	3.97	4.46	4.95	5.44
Total	6.42	7.61	8.81	10.04	11.32

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Freeport	0.50	0.61	0.72	0.83	0.94
Inlet Beach	0.18	0.23	0.30	0.38	0.49
Regional Utilities	1.50	1.89	2.27	2.66	3.05
Smith Water Co.	0.34	0.37	0.39	0.42	0.44
South Walton	3.04	3.47	3.90	4.32	4.75
Total	5.55	6.56	7.57	8.61	9.67

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Freeport	0.41	0.50	0.60	0.69	0.78
Inlet Beach	0.15	0.19	0.25	0.32	0.41
Regional Utilities	1.44	1.81	2.18	2.55	2.92
Smith Water Co.	0.18	0.20	0.21	0.23	0.24
South Walton	2.85	3.26	3.66	4.06	4.47
Total	5.04	5.96	6.89	7.84	8.81

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Walton County ASC-1	89%	91%	92%	92%	88%

Walton County ASC-1 Summary

Population Served by Utility

Year	2000	2005	2010	2015	2020
Freeport	1,082	1,279	1,529	1,833	2,190
Inlet Beach	1,018	1,153	1,288	1,423	1,558
Regional Utilities	4,634	5,454	6,273	7,092	7,911
Smith Water Co.	1,502	1,680	1,858	2,037	2,215
South Walton	14,763	16,074	17,103	17,910	18,543
Total	22,999	25,640	28,051	30,295	32,417

Percentage of County Population in Area

Year	2000	2005	2010	2015	2020
Percent	73%	73%	73%	73%	73%

Total Area Population

Year	2000	2005	2010	2015	2020
Population	25,930	28,069	30,364	32,994	36,726

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
		Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Population	24,857	2000	25,930	135	608	494.88
Total Number of Holes	126	2005	28,069	144	648	527.87
Holes Per Person	0.0050690	2010	30,364	153	689	560.87
Total Number Acres Irrigated	567	2015	32,994	171	770	626.85
Inches Per Acre	30	2020	36,726	189	851	692.83
Total GC Water Use in Mgal	461.89					
Water Use Per Hole in Mgal	3.67					

Golf Course Name Holes Location

D.I. Development	18	
Garden of Destin, The	9	40091 Emerald Coast Parkway, Destin, 32541
Sandestin Resort Golf Club (1)	18	5500 Highway 98 East, Destin, 32541
Sandestin Resort Golf Club (2)	18	5500 Highway 98 East, Destin, 32541
Sandestin Resort Golf Club (3)	9	5500 Highway 98 East, Destin, 32541
Sandestin Owners Association	18	5500 Highway 98 East, Destin, 32541
Seascape Resort, Inc.	18	100 Seascape Drive, Destin, 32541
Santa Rosa Golf & Bch Club, Ir	18	Highway 30A, Santa Rosa Beach, 32459
Total	126	

Walton County NonASC-1 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	490.40	1.34	2.23	2.23	2.23	169	7,934	92.7%	
Domestic S.S. & Small Public S.S.	38.57	0.11				169	624	7.3%	
Commercial-Industrial Self-supplied	584.00	1.60	4.16	2.02	1.82				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,112.97	3.05					8,558		0

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	534.77	1.47	2.43	2.44	2.44	167	8,789	91.6%	
Domestic S.S. & Small Public S.S.	48.76	0.13				167	801	8.4%	
Commercial-Industrial Self-supplied	584.00	1.60	4.16	2.02	1.82				
Recreational Irrigation	0.00	0.00							0.00
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,167.53	3.20					9,590		0

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	546.50	1.50	2.49	2.49	2.49	166	9,040	87.1%	
Domestic S.S. & Small Public S.S.	81.11	0.22				166	1,342	12.9%	
Commercial-Industrial Self-supplied	584.00	1.60	4.16	2.02	1.82				
Recreational Irrigation	0.00	0.00							0.00
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,211.61	3.32					10,382		0

Walton County NonASC-1 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	553.76	1.52	2.52	2.52	2.52	163	9,302	82.8%	
Domestic S.S. & Small Public S.S.	114.82	0.31				163	1,929	17.2%	
Commercial-Industrial Self-supplied	584.00	1.60	4.16	2.02	1.82				
Recreational Irrigation	0.00	0.00							0.00
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,252.58	3.43					11,231		0

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	559.21	1.53	2.54	2.55	2.55	160	9,585	78.5%	
Domestic S.S. & Small Public S.S.	152.75	0.42				160	2,618	21.5%	
Commercial-Industrial Self-supplied	602.25	1.65	4.29	2.08	1.88				
Recreational Irrigation	0.00	0.00							0.00
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,314.21	3.60					12,203		0

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	563.99	1.55	2.57	2.57	2.57	156	9,893	72.8%	
Domestic S.S. & Small Public S.S.	210.39	0.58				156	3,690	27.2%	
Commercial-Industrial Self-supplied	625.50	1.71	4.46	2.16	1.95				
Recreational Irrigation	0.00	0.00							0.00
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,399.88	3.84					13,583		0

Walton County NonASC-1 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.34	1.47	1.50	1.52	1.53	1.55
Domestic S.S. & Small Public S.S.	0.11	0.13	0.22	0.31	0.42	0.58
Commercial-Industrial Self-supplied	1.60	1.60	1.60	1.60	1.65	1.71
Recreational Irrigation	0.00	0.00	0.00	0.00	0.00	0.00
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.23	2.43	2.49	2.52	2.54	2.57
Domestic S.S. & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	4.16	4.16	4.16	4.16	4.29	4.46
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.23	2.44	2.49	2.52	2.55	2.57
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	2.02	2.02	2.02	2.02	2.08	2.16
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.23	2.44	2.49	2.52	2.55	2.57
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	1.82	1.82	1.82	1.82	1.88	1.95
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Walton County NonASC-1 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.66	1.66	1.66	1.66	1.67
Peak Month	1.66	1.66	1.66	1.66	1.66
Peak 3 Month	1.54	1.54	1.54	1.54	1.54

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Argyle (GEO)	22.50	27.45	27.89	28.35	28.81	29.28
DeFuniak Springs (LOG)	364.70	405.42	412.84	415.76	416.88	417.31
Mossy Head (LIN)	30.90	35.80	40.14	44.49	48.83	53.17
Paxton (LIN)	72.30	66.10	65.63	65.16	64.69	64.23
Total	490.40	534.77	546.50	553.76	559.21	563.99

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Argyle (GEO)	0.06	0.08	0.08	0.08	0.08	0.08
DeFuniak Springs (LOG)	1.00	1.11	1.13	1.14	1.14	1.14
Mossy Head (LIN)	0.08	0.10	0.11	0.12	0.13	0.15
Paxton (LIN)	0.20	0.18	0.18	0.18	0.18	0.18
Total	1.34	1.47	1.50	1.52	1.53	1.55

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Argyle	1.76	1.67	1.56
DeFuniak Springs	1.65	1.65	1.58
Mossy Head	1.78	1.78	1.33
Paxton	1.60	1.60	1.44

Walton County NonASC-1 Summary

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Argyle	0.13	0.13	0.14	0.14	0.14
DeFuniak Springs	1.84	1.87	1.88	1.89	1.89
Mossy Head	0.17	0.20	0.22	0.24	0.26
Paxton	0.29	0.29	0.29	0.28	0.28
Total	2.43	2.49	2.52	2.55	2.57

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Argyle	0.13	0.13	0.13	0.13	0.13
DeFuniak Springs	1.84	1.87	1.88	1.89	1.89
Mossy Head	0.17	0.20	0.22	0.24	0.26
Paxton	0.29	0.29	0.29	0.28	0.28
Total	2.43	2.48	2.52	2.54	2.57

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Argyle	0.12	0.12	0.12	0.12	0.12
DeFuniak Springs	1.75	1.79	1.80	1.80	1.81
Mossy Head	0.13	0.15	0.16	0.18	0.19
Paxton	0.26	0.26	0.26	0.25	0.25
Total	2.26	2.31	2.34	2.36	2.38

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Walton County NonASC-1	92%	87%	83%	79%	73%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Argyle	687	691	693	701	715
DeFuniak Springs	5,514	5,566	5,618	5,671	5,724
Mossy Head	914	1,024	1,148	1,286	1,442
Paxton	1,674	1,759	1,843	1,927	2,012
Total	8,789	9,040	9,302	9,585	9,893

Walton County NonASC-1 Summary

Total Area Population

Year	2000	2005	2010	2015	2020
Population	9,590	10,382	11,231	12,203	13,583

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Perdue Farms	584.00	584.00	584.00	602.25	625.50
Total	584.00	584.00	584.00	602.25	625.50

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Perdue Farms	1.60	1.60	1.60	1.65	1.71
Total	1.60	1.60	1.60	1.65	1.71

Commercial-Industrial Ratios

Ratios	Maximum Day	Peak Month	Peak 3 Month
Perdue Farms	2.60	1.26	1.14
Total	2.60	1.26	1.14

Commercial-Industrial: Projected Max Day

Year	2000	2005	2010	2015	2020
Perdue Farms	4.16	4.16	4.16	4.29	4.46
Total	4.16	4.16	4.16	4.29	4.46

Commercial-Industrial: Projected Peak Month

Year	2000	2005	2010	2015	2020
Perdue Farms	2.02	2.02	2.02	2.08	2.16
Total	2.02	2.02	2.02	2.08	2.16

Walton County NonASC-1 Summary

Commercial-Industrial: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Perdue Farms	1.82	1.82	1.82	1.88	1.95
Total	1.82	1.82	1.82	1.88	1.95

Appendix 5.

Planning Region II

c. Individually Projected Users

County	Utility/Owner	Plant/facility	ASC	Use	Projections in Mgal/d				
					2000	2005	2010	2015	2020
Okaloosa	US Air Force: Eglin AFB	Main System	1	C-I	4.57	4.65	4.73	4.81	4.89
Okaloosa	US Air Force: Hulbert Field AFB		1	C-I	0.89	0.98	1.08	1.18	1.28
Okaloosa	Auburn Water System			PS	1.21	1.42	1.66	1.80	2.03
Okaloosa	Baker Water System			PS	0.18	0.20	0.22	0.24	0.26
Okaloosa	Crestview, city of			PS	2.14	2.39	2.64	2.89	3.14
Okaloosa	Destin Water Users		1	PS	3.14	3.52	3.95	4.43	4.96
Okaloosa	Fort Walton Beach, city of		1	PS	3.46	3.71	3.96	4.21	4.45
Okaloosa	Holt Water System			PS	0.09	0.11	0.12	0.13	0.14
Okaloosa	Laurel Hill, city of			PS	0.14	0.16	0.17	0.18	0.19
Okaloosa	Mary Ester, city of		1	PS	0.77	0.81	0.85	0.89	0.93
Okaloosa	Milligan Water System			PS	0.16	0.21	0.27	0.35	0.45
Okaloosa	Niceville, town of		1	PS	3.15	3.56	3.98	4.40	4.82
Okaloosa	Okaloosa County Water/Sewer	Bluewater Bay	1	PS	1.19	1.27	1.36	1.44	1.52
Okaloosa	Okaloosa County Water/Sewer	Main (Garnier)	1	PS	5.70	6.04	6.41	6.79	7.21
Okaloosa	Okaloosa County Water/Sewer	County West-Seashor	1	PS	0.66	0.72	0.79	0.86	0.93
Okaloosa	Okaloosa County Water/Sewer	Mid County-Del Cerro		PS	0.46	0.52	0.59	0.68	0.78
Okaloosa	Seminole Community W/S		1	PS	0.10	0.10	0.10	0.10	0.09
Okaloosa	Valparaiso, city of		1	PS	0.63	0.64	0.64	0.64	0.64
Santa Rosa	Air Products			C-I	3.20	3.20	3.20	3.20	3.20
Santa Rosa	Sterling Fibers (Cytec)	Santa Rosa Plant		C-I	3.00	3.50	4.00	4.50	5.00
Santa Rosa	Bagdad/Garron W/S			PS	0.45	0.51	0.57	0.63	0.70
Santa Rosa	Berrydale Water System			PS	0.25	0.30	0.34	0.39	0.43
Santa Rosa	Chumuckla, town of			PS	0.29	0.34	0.41	0.50	0.43
Santa Rosa	East Milton Water System			PS	0.97	1.19	1.41	1.63	1.85
Santa Rosa	Gulf Breeze, city of		1	PS	0.90	0.95	1.00	1.06	1.11
Santa Rosa	Holly/Navarre W/S		1	PS	1.89	2.35	2.81	3.27	3.73
Santa Rosa	Jay, town of			PS	0.27	0.27	0.27	0.27	0.27
Santa Rosa	Midway Water System		1	PS	1.93	2.23	2.53	2.83	3.13
Santa Rosa	Milton, city of			PS	2.07	2.21	2.35	2.49	2.64
Santa Rosa	Moore Creek/Mt. Carmel			PS	0.33	0.36	0.45	0.53	0.62
Santa Rosa	Navarre Beach		1	PS	0.37	0.38	0.40	0.42	0.43
Santa Rosa	Pace, city of			PS	2.96	3.39	3.82	4.25	4.68
Santa Rosa	Point Baker Water System			PS	0.78	0.90	1.01	1.12	1.24
Santa Rosa	South Santa Rosa Utilities		1	PS	0.98	1.10	1.21	1.33	1.44
Walton	Purdue Farms (Showell)			C-I	1.60	1.60	1.60	1.65	1.71
Walton	Argyle Water System			PS	0.08	0.08	0.08	0.08	0.08
Walton	DeFuniak Springs, city of			PS	1.11	1.13	1.14	1.14	1.14
Walton	Freeport, town of		1	PS	0.32	0.39	0.46	0.53	0.60
Walton	Inlet Beach Water System		1	PS	0.09	0.12	0.15	0.19	0.24
Walton	Mossy Head Water System			PS	0.10	0.11	0.12	0.13	0.15
Walton	Paxton, town of			PS	0.18	0.18	0.18	0.18	0.18
Walton	Regional Utilities*	Fl. Comm. Srv. Corp.	1	PS	1.06	1.34	1.61	1.89	2.16
Walton	Smith Water Company	Villa Tasso & Choctaw	1	PS	0.13	0.14	0.15	0.16	0.17
Walton	South Walton Utilities		1	PS	2.03	2.32	2.61	2.90	3.18

*Aquired Camp Creek in 1995.

Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 6
Water Use and Demand Projections for Planning Region III

Appendix 6.

Planning Region III

a. System Inventory

Utility/Owner	Plant/facility	County	ASC	Use	1995 water use		Primary Water Source	Percent used	Secondary Water Source	Percent used
					Average Day in	Mgal				
Arizona Chemical	Bay County Plant	Bay		C-I	4.60		Deer Point Lake	91	Floridan Aquifer	9
Stone Container		Bay		C-I	21.69		Deer Point Lake	N/A	Floridan Aquifer	N/A
Tyndall Air Force Base		Bay		C-I	1.40		Floridan aquifer	N/A	Bay County	N/A
Gulf Power	Smith Power Plant	Bay		PWR	263.68		North Bay	N/A	Floridan Aquifer	N/A
Bay County Public Utilities	Potable Water System	Bay		PS	12.65		Deer Point Lake	100		
Lynn Haven, city of		Bay		PS	1.55		Floridan aquifer	100	Bay County	N/A
Mexico Beach, city of		Bay		PS	0.42		Floridan aquifer	100		
Panama City Beach		Bay	4	PS	9.65		Bay County	69	Floridan aquifer	31
Sandy Creek Utilities		Bay		PS	0.05		Floridan aquifer	100		
Bay Point Yacht & CC		Bay	4	R-I	0.27		N/A	N/A		
Bay Dunes		Bay		R-I	N/A		N/A	N/A		
City Sports	Majette Dunes Golf & CC	Bay		R-I	0.18		N/A	N/A		
Club at Sandy Creek, The		Bay		R-I	0.05		Stormwater	100		
Edge Water Beach Resort GC		Bay	4	R-I	0.03		Floridan aquifer	N/A		
Holiday Golf & Racquet Club		Bay	4	R-I	0.21		Stormwater	N/A		
Edgewater Estates	Hombre Golf Club	Bay	4	R-I	0.16		Stormwater	N/A		
Panama CC		Bay		R-I	0.18		N/A	N/A		
Signal Hill GC, Inc.		Bay		R-I	0.17		Stormwater	N/A	Floridan aquifer	N/A
Tyndall AFB	Pelican Point GC	Bay		R-I	0.24		Floridan aquifer	N/A		
Bay Pines MHP		Bay		SPS	0.02		Floridan aquifer	100		
Lisenby MHP		Bay		SPS	0.01		Floridan aquifer	100		

Data description; Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 6.

Planning Region III

b. Projection summary tables

The following projections were prepared by the U. S. Geological Survey-Water Resources Division (Tallahassee, Florida, 1998) for the North West Florida Water Management District. These projections are for planning purposes only.

Data Sources: U.S. Geological Survey-WRD; Florida Department of Environmental Protection; and the Northwest Florida Water Management District; Bureau of Economic and Business Research; and the individual utilities.

Foot Notes and Specific Utility Projection Information:

Bay County

- *Bay County Utilities*: Water use projection and base data did not include water purchased by Panama City Beach. Where Bay County Utility is mentioned throughout this report (historical and projected) it is actually the total minus the amount sold to Panama City Beach. Additionally, water use projections for Bay County Utilities do not include water sold to Stone Container Corporation.

- *Panama City Beach*: Water use projection was based on a summation of historical water use consisting of water purchased from Bay County Utilities and water withdrawn from their own wells.

- *Stone Container Corporation*: Water use projections were provided by Stone Container and includes the water sold to Arizona Chemicals.

Planning Region III Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	8,877.89	24.32	48.91	37.09	33.07	191	127,562	91.7%	
Domestic S.S. & Small Public S.S.	813.59	2.23				192	11,611	8.3%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	692.83	1.90							851
Power Generation	94,626.20	259.25	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	N/A	N/A				N/A
Total	115,118.20	315.39					139,173		851

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	8,834.61	24.20	48.79	37.15	33.07	178	135,829	93.4%	
Domestic S.S. & Small Public S.S.	645.56	1.77				185	9,535	6.6%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	725.83	1.99							891
Power Generation	96,245.00	263.68	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	116,558.68	319.34					145,364		891

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	9,588.73	26.27	52.96	40.36	35.92	183	143,456	92.1%	
Domestic S.S. & Small Public S.S.	858.47	2.35				191	12,307	7.9%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	758.82	2.08							932
Power Generation	97,745.00	267.79	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	119,058.71	326.19					155,763		932

Planning Region III Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	10,609.65	29.07	58.60	44.56	39.68	192	151,192	91.0%	
Domestic S.S & Small Public S.S.	1,079.84	2.96				198	14,970	9.0%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	824.80	2.26	0.00	0.00	0.00				1,013
Power Generation	99,245.00	271.90	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	121,866.98	333.88					166,162		1,013

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	11,898.02	32.60	65.70	49.77	44.38	205	159,046	90.1%	
Domestic S.S & Small Public S.S.	1,317.87	3.61				206	17,515	9.9%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	857.79	2.35							1,053
Power Generation	99,245.00	271.90	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	123,426.37	338.15					176,561		1,053

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	13,454.08	36.86	74.27	55.98	50.01	221	167,039	89.3%	
Domestic S.S & Small Public S.S.	1,582.25	4.33				218	19,921	10.7%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	923.78	2.53							1,134
Power Generation	99,245.00	271.90	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	125,312.81	343.32					186,960		1,134

Planning Region III Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	24.32	24.20	26.27	29.07	32.60	36.86
Domestic S.S & Small Public S.S.	2.23	1.77	2.35	2.96	3.61	4.33
Commercial-Industrial Self-supplied	27.69	27.69	27.69	27.69	27.69	27.69
Recreational Irrigation	1.90	1.99	2.08	2.26	2.35	2.53
Power Generation	259.25	263.68	267.79	271.90	271.90	271.90
Agricultural	0.00	0.00	0.00	0.00	0.00	0.00

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	48.91	48.79	52.96	58.60	65.70	74.27
Domestic S.S & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	40.38	40.38	40.38	40.38	40.38	40.38
Recreational Irrigation						
Power Generation	332.24	332.24	332.24	332.24	332.24	271.90
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	37.09	37.15	40.36	44.56	49.77	55.98
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	332.24	332.24	332.24	332.24	271.90
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	33.07	33.07	35.92	39.68	44.38	50.01
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	332.24	332.24	332.24	332.24	271.90
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Bay County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	8,877.89	24.32	48.91	37.09	33.07	191	127,562	91.7%	
Domestic S.S. & Small Public S.S.	813.59	2.23				192	11,611	8.3%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	692.83	1.90							851
Power Generation	94,626.20	259.25	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	N/A	N/A				N/A
Total	115,118.20	315.39					139,173		851

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	8,834.61	24.20	48.79	37.15	33.07	178	135,829	93.4%	
Domestic S.S. & Small Public S.S.	645.56	1.77				185	9,535	6.6%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	725.83	1.99							891
Power Generation	96,245.00	263.68	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	116,558.68	319.34					145,364		891

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	9,588.73	26.27	52.96	40.36	35.92	183	143,456	92.1%	
Domestic S.S. & Small Public S.S.	858.47	2.35				191	12,307	7.9%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	758.82	2.08							932
Power Generation	97,745.00	267.79	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	119,058.71	326.19					155,763		932

Bay County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	10,609.65	29.07	58.60	44.56	39.68	192	151,192	91.0%	
Domestic S.S & Small Public S.S.	1,079.84	2.96				198	14,970	9.0%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	824.80	2.26	0.00	0.00	0.00				1,013
Power Generation	99,245.00	271.90	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	121,866.98	333.88					166,162		1,013

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	11,898.02	32.60	65.70	49.77	44.38	205	159,046	90.1%	
Domestic S.S & Small Public S.S.	1,317.87	3.61				206	17,515	9.9%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	857.79	2.35							1,053
Power Generation	99,245.00	271.90	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	123,426.37	338.15					176,561		1,053

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	13,454.08	36.86	74.27	55.98	50.01	221	167,039	89.3%	
Domestic S.S & Small Public S.S.	1,582.25	4.33				218	19,921	10.7%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	923.78	2.53							1,134
Power Generation	99,245.00	271.90	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	125,312.81	343.32					186,960		1,134

Bay County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	24.32	24.20	26.27	29.07	32.60	36.86
Domestic S.S & Small Public S.S.	2.23	1.77	2.35	2.96	3.61	4.33
Commercial-Industrial Self-supplied	27.69	27.69	27.69	27.69	27.69	27.69
Recreational Irrigation	1.90	1.99	2.08	2.26	2.35	2.53
Power Generation	259.25	263.68	267.79	271.90	271.90	271.90
Agricultural	0.00	0.00	0.00	0.00	0.00	0.00

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	48.91	48.79	52.96	58.60	65.70	74.27
Domestic S.S & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	40.38	40.38	40.38	40.38	40.38	40.38
Recreational Irrigation						
Power Generation	332.24	332.24	332.24	332.24	332.24	271.90
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	37.09	37.15	40.36	44.56	49.77	55.98
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	332.24	332.24	332.24	332.24	271.90
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	33.07	33.07	35.92	39.68	44.38	50.01
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	332.24	332.24	332.24	332.24	271.90
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Bay County ASC-4 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	3,522.49	9.65	20.27	16.54	14.38	263	36,709.00	91.3%	
Domestic S.S. & Small Public S.S.	334.89	0.92				263	3,490.00	8.7%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	329.92	0.90							405.00
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	N/A	N/A				N/A
Total	4,187.30	11.47					40,199.00		405.00

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	3,793.21	10.39	21.82	17.81	15.48	273	38,081.50	92.2%	
Domestic S.S. & Small Public S.S.	318.93	0.87				273	3,201.88	7.8%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	329.92	0.90							405.00
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	4,442.06	12.17					41,283.38		405.00

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	4,151.56	11.37	23.89	19.50	16.95	284	40,093.64	90.6%	
Domestic S.S. & Small Public S.S.	429.00	1.18				284	4,143.05	9.4%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	362.91	0.99							445.50
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	4,943.47	13.54					44,236.69		445.50

Bay County ASC-4 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	4,509.92	12.36	25.95	21.18	18.41	291	42,406.96	89.9%	
Domestic S.S & Small Public S.S.	508.67	1.39				291	4,783.04	10.1%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	395.91	1.08							486.00
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	5,414.50	14.83					47,190.01		486.00

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	4,868.27	13.34	28.01	22.86	19.87	296	45,021.46	89.8%	
Domestic S.S & Small Public S.S.	553.84	1.52				296	5,121.86	10.2%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	395.91	1.08							486.00
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	5,818.01	15.94					50,143.32		486.00

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	5,226.62	14.32	30.07	24.54	21.34	299	47,937.14	90.3%	
Domestic S.S & Small Public S.S.	562.54	1.54				299	5,159.50	9.7%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	428.90	1.18							526.50
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	6,218.06	17.04					53,096.64		526.50

Bay County ASC-4 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	9.65	10.39	11.37	12.36	13.34	14.32
Domestic S.S & Small Public S.S.	0.92	0.87	1.18	1.39	1.52	1.54
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation	0.90	0.90	0.99	1.08	1.08	1.18
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	0.00	0.00	0.00	0.00	0.00	0.00

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	20.27	21.82	23.89	25.95	28.01	30.07
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	16.54	17.81	19.50	21.18	22.86	24.54
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	14.38	15.48	16.95	18.41	19.87	21.34
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Bay County ASC-4 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	2.10	2.10	2.10	2.10	2.10
Peak Month	1.71	1.71	1.71	1.71	1.71
Peak 3 Month	1.49	1.49	1.49	1.49	1.49

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Panama City Beach (LIN)	3522.49	3,793.21	4,151.56	4,509.92	4,868.27	5,226.62
Total	3,522.49	3,793.21	4,151.56	4,509.92	4,868.27	5,226.62

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Panama City Beach (LIN)	9.65	10.39	11.37	12.36	13.34	14.32
Total	9.65	10.39	11.37	12.36	13.34	14.32

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Panama City Beach	2.10	1.71	1.49

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Panama City Beach	21.82	23.89	25.95	28.01	30.07
Total	21.82	23.89	25.95	28.01	30.07

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Panama City Beach	17.81	19.50	21.18	22.86	24.54
Total	17.81	19.50	21.18	22.86	24.54

Bay County ASC-4 Summary

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Panama City Beach	15.48	16.95	18.41	19.87	21.34
Total	15.48	16.95	18.41	19.87	21.34

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Bay County ASC-4	92%	91%	90%	90%	90%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Panama City Beach	38,082	40,094	42,407	45,021	47,937
Total	38,082	40,094	42,407	45,021	47,937

Percentage of County Population in Area

Year	2000	2005	2010	2015	2020
Percent	28%	28%	28%	28%	28%

Total Area Population

Year	2000	2005	2010	2015	2020
Population	41,283	44,237	47,190	50,143	53,097

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
		Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Population	40,199	2000	41,283	90	405	329.92
Total Number of Holes	90	2005	44,237	99	446	362.91
Holes Per Person	0.0022389	2010	47,190	108	486	395.91
Total Number Acres Irrigated	405	2015	50,143	108	486	395.91
Inches Per Acre	30	2020	53,097	117	527	428.90
Total GC Water Use in Mgal	329.92					
Water Use Per Hole in Mgal	3.67					

Bay County ASC-4 Summary

Golf Course Name	Holes	Location
Bay Point Yacht & CC (1)	18	100 Delwood Beach Rd., Panama City Beach, 32411
Bay Point Yacht & CC (2)	18	100 Delwood Beach Rd., Panama City Beach, 32411
Edgewater Beach Resort GC	9	111212 Front Beach Rd., Panama City Beach, 32407
Holiday Golf & Racquet Club	27	100 Fairway Blvd., Panama City Beach, 32407
Hombre GC/Edgewater Estates	18	120 Coyote Pass, Panama City Beach, 32407
Total	90	

Bay County NonASC-4 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	5,355.40	14.67	28.64	20.55	18.69	161	90,853	91.8%	
Domestic S.S. & Small Public S.S.	478.70	1.31				161	8,121	8.2%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	362.91	0.99							446
Power Generation	94,626.20	259.25	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	N/A	N/A				N/A
Total	110,930.90	303.92					98,974		446

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	5,041.40	13.81	26.96	19.34	17.59	141	97,748	93.9%	
Domestic S.S. & Small Public S.S.	326.63	0.89				141	6,333	6.1%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	395.91	1.08							486
Power Generation	96,245.00	263.68	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	112,116.62	307.17					104,081		486

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	5,437.17	14.90	29.08	20.86	18.97	144	103,362	92.7%	
Domestic S.S. & Small Public S.S.	429.47	1.18				144	8,164	7.3%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	395.91	1.08							486
Power Generation	97,745.00	267.79	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	114,115.24	312.64					111,526		486

Bay County NonASC-4 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	6,099.73	16.71	32.65	23.38	21.27	154	108,785	91.4%	
Domestic S.S & Small Public S.S.	571.17	1.56				154	10,187	8.6%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	428.90	1.18							527
Power Generation	99,245.00	271.90	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	116,452.49	319.05					118,972		527

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	7,029.75	19.26	37.69	26.91	24.51	169	114,025	90.2%	
Domestic S.S & Small Public S.S.	764.03	2.09				169	12,393	9.8%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	461.89	1.27							567
Power Generation	99,245.00	271.90	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	117,608.36	322.21					126,418		567

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	8,227.46	22.54	44.20	31.44	28.67	189	119,102	89.0%	
Domestic S.S & Small Public S.S.	1,019.71	2.79				189	14,761	11.0%	
Commercial-Industrial Self-supplied	10,107.69	27.69	40.38	N/A	N/A				
Recreational Irrigation	494.88	1.36							608
Power Generation	99,245.00	271.90	332.24	327.23	318.53				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	119,094.75	326.29					133,863		608

Bay County NonASC-4 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	14.67	13.81	14.90	16.71	19.26	22.54
Domestic S.S & Small Public S.S.	1.31	0.89	1.18	1.56	2.09	2.79
Commercial-Industrial Self-supplied	27.69	27.69	27.69	27.69	27.69	27.69
Recreational Irrigation	0.99	1.08	1.08	1.18	1.27	1.36
Power Generation	259.25	263.68	267.79	271.90	271.90	271.90
Agricultural	0.00	0.00	0.00	0.00	0.00	0.00

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	28.64	26.96	29.08	32.65	37.69	44.20
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	40.38	40.38	40.38	40.38	40.38	40.38
Recreational Irrigation						
Power Generation	332.24	332.24	332.24	332.24	332.24	332.24
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	20.55	19.34	20.86	23.38	26.91	31.44
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	327.23	327.23	327.23	327.23	327.23	327.23
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	18.69	17.59	18.97	21.27	24.51	28.67
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	318.53	318.53	318.53	318.53	318.53	318.53
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Bay County NonASC-4 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.95	1.95	1.95	1.96	1.96
Peak Month	1.40	1.40	1.40	1.40	1.39
Peak 3 Month	1.27	1.27	1.27	1.27	1.27

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Bay County Public Utilities (PAR)	4,618.80	4,275.15	4,610.82	5,214.27	6,085.50	7,224.50
Lynn Haven (LIN)	566.20	601.31	659.28	717.26	775.23	833.21
Mexico Beach (GOM)	152.40	145.88	147.32	147.75	147.88	147.92
Sandy Creek Utilities (LIN)	18.00	19.05	19.75	20.44	21.14	21.84
Total	5,355.40	5,041.40	5,437.17	6,099.73	7,029.75	8,227.46

Note: Bay Co. Public Utilities 1996 water use was 4,189.91; Mexico Beach 1996 total water use was 127.45

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Bay County Public Utilities (PAR)	12.65	11.71	12.63	14.29	16.67	19.79
Lynn Haven (LIN)	1.55	1.65	1.81	1.97	2.12	2.28
Mexico Beach (GOM)	0.42	0.40	0.40	0.40	0.41	0.41
Sandy Creek Utilities (LIN)	0.05	0.05	0.05	0.06	0.06	0.06
Total	14.67	13.81	14.90	16.71	19.26	22.54

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Bay County Public Utilities	2.00	1.37	1.27
Lynn Haven	1.65	1.59	1.29
Mexico Beach	1.81	1.48	1.36
Sandy Creek Utilities	1.87	1.75	1.50

Bay County NonASC-4 Summary

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Bay County Public Utilities	23.43	25.26	28.57	33.35	39.59
Lynn Haven	2.72	2.98	3.24	3.50	3.77
Mexico Beach	0.72	0.73	0.73	0.73	0.73
Sandy Creek Utilities	0.10	0.10	0.10	0.11	0.11
Total	26.96	29.08	32.65	37.69	44.20

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Bay County Public Utilities	16.05	17.31	19.57	22.84	27.12
Lynn Haven	2.61	2.86	3.11	3.37	3.62
Mexico Beach	0.59	0.60	0.60	0.60	0.60
Sandy Creek Utilities	0.09	0.09	0.10	0.10	0.10
Total	19.34	20.86	23.38	26.91	31.44

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Bay County Public Utilities	14.85	16.02	18.11	21.14	25.10
Lynn Haven	2.12	2.32	2.53	2.73	2.93
Mexico Beach	0.54	0.55	0.55	0.55	0.55
Sandy Creek Utilities	0.08	0.08	0.08	0.09	0.09
Total	17.59	18.97	21.27	24.51	28.67

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Bay County NonASC-4	94%	93%	91%	90%	89%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Bay County Public Utilities	83,591	87,924	92,257	96,590	100,924
Lynn Haven	11,897	12,978	13,868	14,574	15,118
Mexico Beach	1,820	2,000	2,180	2,360	2,540
Sandy Creek Utilities	440	460	480	500	520
Total	97,748	103,362	108,785	114,025	119,102

Bay County NonASC-4 Summary

Total Area Population

Year	2000	2005	2010	2015	2020
Population	104,081	111,526	118,972	126,418	133,863

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Arizona Chemical	1679.66	1679.66	1679.66	1679.66	1679.66
Stone Container	7917.03	7917.03	7917.03	7917.03	7917.03
Tyndall Air Force Base	511.00	511.00	511.00	511.00	511.00
Total	10107.69	10107.69	10107.69	10107.69	10107.69

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Arizona Chemical	4.60	4.60	4.60	4.60	4.60
Stone Container	21.69	21.69	21.69	21.69	21.69
Tyndall Air Force Base	1.40	1.40	1.40	1.40	1.40
Total	27.69	27.69	27.69	27.69	27.69

Commercial-Industrial Ratios

Ratios	Maximum Day	Peak Month	Peak 3 Month
Arizona Chemical	1.35	1.19	1.15
Stone Container	1.40	1.24	1.18
Tyndall Air Force Base	2.71	N/A	N/A
Total	5.46	2.42	2.33

Commercial-Industrial: Projected Max Day

Year	2000	2005	2010	2015	2020
Arizona Chemical	6.21	6.21	6.21	6.21	6.21
Stone Container	30.37	30.37	30.37	30.37	30.37
Tyndall Air Force Base	3.80	3.80	3.80	3.80	3.80
Total	40.38	40.38	40.38	40.38	40.38

Bay County NonASC-4 Summary

Commercial-Industrial: Projected Peak Month

Year	2000	2005	2010	2015	2020
Arizona Chemical	5.45	5.45	5.45	5.45	5.45
Srone Container	26.85	26.85	26.85	26.85	26.85
Tyndall Air Force Base	N/A	N/A	N/A	N/A	N/A
Total	N/A	N/A	N/A	N/A	N/A

Commercial-Industrial: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Arizona Chemical	5.29	5.29	5.29	5.29	5.29
Srone Container	25.68	25.68	25.68	25.68	25.68
Tyndall Air Force Base	N/A	N/A	N/A	N/A	N/A
Total	N/A	N/A	N/A	N/A	N/A

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
Total Population	98,974	Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Number of Holes	99	2000	104,081	108	486	395.91
Holes Per Person	0.0010003	2005	111,526	108	486	395.91
Total Number Acres Irrigated	446	2010	118,972	117	527	428.90
Inches Per Acre	30	2015	126,418	126	567	461.89
Total GC Water Use in Mgal	362.91	2020	133,863	135	608	494.88
Water Use Per Hole in Mgal	3.67					

Golf Course Name	Holes	Location
Bay Dunes	18	Panama City
City Sports, Majette Dunes Golf Club at Sandy Creek, The	18	5304 Majette Tower Rd, Panama City, 32404
Panama CC	9	1732 Highway 2297, Panama City, 32404
Signal Hill GC, Inc.	18	100 Country Club Drive, Lynn Haven, 32444
Tyndall AFB/Pelican Point GC	18	9615 Thomas Drive, Panama City, 32407
Total	99	Building 3029, Tyndall AFB, 32403

Bay County NonASC-4 Summary

Power Generation: Projected Annual Flow

Year	2000	2005	2010	2015	2020
Gulf Power-Smith (UTIL)	96,245.00	97,745.00	99,245.00	99,245.00	99,245.00
Total	96,245.00	97,745.00	99,245.00	99,245.00	99,245.00

Power Generation: Projected Average Daily Flow (Mgal/d)

Year	2000	2005	2010	2015	2020
Gulf Power-Smith (UTIL)	263.68	267.79	271.90	271.90	271.90
Total	263.68	267.79	271.90	271.90	271.90

Power Generation: Ratios

Ratios	Max-Day	Peak Month	Peak3Month
Gulf Power-Smith	1.26	1.24	1.21
Total	1.26	1.24	1.21

Power Generation: Projected Max Day

Year	2000	2005	2010	2015	2020
Gulf Power-Smith	332.24	337.42	342.60	342.60	342.60
Total	332.24	337.42	342.60	342.60	342.60

Power Generation: Projected Peak Month

Year	2000	2005	2010	2015	2020
Gulf Power-Smith	327.23	332.33	337.43	337.43	337.43
Total	327.23	332.33	337.43	337.43	337.43

Power Generation: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Gulf Power-Smith	318.53	323.50	328.46	328.46	328.46
Total	318.53	323.50	328.46	328.46	328.46

Appendix 6.

Planning Region III

c. Individually Projected Users

County	Utility/Owner	Plant/facility	ASC	Use	Projections in Mgal/d				
					2000	2005	2010	2015	2020
Bay	Arizona Chemical	Bay County Plant		C-I	4.60	4.60	4.60	4.60	4.60
Bay	Stone Container			C-I	21.69	21.69	21.69	21.69	21.69
Bay	Tyndall Air Force Base			C-I	1.40	1.40	1.40	1.40	1.40
Bay	Gulf Power	Smith Power Plant		PWR	263.68	267.79	271.90	271.90	271.90
Bay	Bay County Public Utilities	Potable Water System		PS	11.71	12.63	14.29	16.67	19.79
Bay	Lynn Haven, city of			PS	1.65	1.81	1.97	2.12	2.28
Bay	Mexico Beach, city of			PS	0.40	0.40	0.40	0.41	0.41
Bay	Panama City Beach		4	PS	10.39	11.37	12.36	13.34	14.32
Bay	Sandy Creek Utilities			PS	0.05	0.05	0.06	0.06	0.06

Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 7
Water Use and Demand Projections for Planning Region IV

Appendix 7.

Planning Region IV

a. System Inventory

Utility/Owner	Plant/facility	County	ASC	Use	1995 water use		Primary Water Source	Percent used	Secondary Water Source	Percent used
					Average Day in	Mgal				
Altha, town of		Calhoun		PS		0.10	Floridan aquifer	100		
Blountstown, city of		Calhoun		PS		0.58	Floridan aquifer	100		
Bonifay, city of		Holmes		PS		0.94	Floridan aquifer	100		
Ponce DeLeon, town of		Holmes		PS		0.07	Floridan aquifer	100		
Bonifay Country Club		Holmes		R-I		N/A	N/A	N/A		
Red Bay GC		Holmes		R-I		N/A	N/A	N/A		
Dogwood Lake Estates		Holmes		SPS		0.07	Floridan aquifer	100		
Esto, town of		Holmes		SPS		0.03	Floridan aquifer	100		
Noma, town of		Holmes		SPS		0.05	Floridan aquifer	100		
Westville, town of		Holmes		SPS		0.04	Floridan aquifer	100		
Blue Springs Baptist Center		Jackson		C-I		0.03	N/A	N/A		
FDNR	FL Caverns SP	Jackson		C-I		0.05	N/A	N/A		
FDOC	Apalachee Corr Inst.	Jackson		C-I		0.64	N/A	N/A		
FDOC	Dozier School	Jackson		C-I		0.09	N/A	N/A		
FDOC	Sunland Center	Jackson		C-I		0.50	N/A	N/A		
Jackson County Corr. Instit.		Jackson		C-I		0.22	N/A	N/A		
Marriana 76 Truck Stop		Jackson		C-I		0.02	N/A	N/A		
Cottondale, town of		Jackson		PS		0.15	Floridan aquifer	100		
Graceville, city of		Jackson		PS		0.38	Floridan aquifer	100		
Grandridge, city of		Jackson		PS		0.09	Floridan aquifer	100		
Greenwood, town of		Jackson		PS		0.08	Floridan aquifer	100		
Malone, town of		Jackson		PS		0.07	Floridan aquifer	100		
Marianna, city of		Jackson		PS		1.18	Floridan aquifer	100		
Sneads, town of		Jackson		PS		0.25	Floridan aquifer	100		
Gulf Power	Scholtz Plant	Jackson		PWR		50.31	N/A			
Caverns Golf Course		Jackson		R-I		N/A	N/A	N/A		
Great Oaks Golf Course		Jackson		R-I		N/A	N/A	N/A		
Magnolia Oaks GC		Jackson		R-I		N/A	N/A	N/A		
Alford, town of		Jackson		SPS		0.05	Floridan aquifer	100		
Campbellton, town of		Jackson		SPS		0.03	Floridan aquifer	100		
Jacobs Community W/S		Jackson		SPS		0.03	Floridan aquifer	100		
FDOC	Liberty Corr Inst	Liberty		C-I		0.24	N/A	N/A		
Bristol, city of		Liberty		PS		0.22	Floridan aquifer	100		
Hosford-Telogia Water System		Liberty		PS		0.07	Floridan aquifer	100		
Timber Energy		Liberty		PWR		0.39	N/A	N/A		
Estiffanalga Water System		Liberty		SPS		0.01	Floridan aquifer	100		

1995 water use

Utility/Owner	Plant/facility	County	ASC	Use	Average Day in Mgal	Primary Water Source	Percent used	Secondary Water Source	Percent used
Sumatra Water System		Liberty		SPS	0.01	Floridan aquifer	100		
Talquin Electric Coop	Sweetwater	Liberty		SPS	0.01	Floridan aquifer	100		
FDOC	Washington Corr Inst	Washington		C-I	0.11	N/A	N/A		
Carryville, town of		Washington		PS	0.08	Floridan aquifer	100		
Chipley, city of		Washington		PS	0.74	Floridan aquifer	100		
Deltona/Sunny Hills	Southern States Utilities	Washington		PS	0.15	Floridan aquifer	100		
Vernon Water System		Washington		PS	0.13	Floridan aquifer	100		
Falling Waters Country Club		Washington		R-I	N/A	N/A	N/A		
Sunny Hills Golf & Country Club		Washington		R-I	N/A	N/A	N/A		
Wausau, town of		Washington		SPS	0.04	Floridan aquifer	100		

Data description; Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 7.

Planning Region IV

b. Projection summary tables

The following projections were prepared by the U. S. Geological Survey-Water Resources Division (Tallahassee, Florida,1998) for the Northwest Florida Water Management District. These projections are for planning purposes only.

Data Sources: U.S. Geological Survey-WRD; Florida Department of Environmental Protection; Northwest Florida Water Management District; Bureau of Economic and Business Research; and individual utilities.

Region IV Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,925.80	5.28	9.93	7.47	6.78	164	32,084	31.5%	
Domestic S.S. & Small Public S.S.	4,379.82	12.00				172	69,749	68.5%	
Commercial-Industrial Self-supplied	693.40	1.90	N/A	N/A	N/A				
Recreational Irrigation	254.04	0.70							446
Power Generation	18,505.54	50.70	N/A	N/A	N/A				
Agricultural	4,119.03	11.29	N/A	N/A	N/A				N/A
Total	29,877.62	81.86					101,833		446

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,143.38	5.87	11.07	8.32	7.55	176	33,361	33.3%	
Self-supplied Domestic	4,506.63	12.35				185	66,875	66.7%	
Commercial-Industrial Self-supplied	693.40	1.90	N/A	N/A	N/A				
Recreational Irrigation	254.04	0.70							446
Power Generation	29,449.90	80.68	N/A	N/A	N/A				
Agricultural	6,450.29	17.67	N/A	60.62	46.78				25,850
Total	43,497.64	119.17					100,236		26,296

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,321.87	6.36	11.99	9.02	8.19	181	35,131	33.5%	
Self-supplied Domestic	4,894.33	13.41				192	69,892	66.5%	
Commercial-Industrial Self-supplied	693.40	1.90	N/A	N/A	N/A				
Recreational Irrigation	254.04	0.70							446
Power Generation	31,292.67	85.73	N/A	N/A	N/A				
Agricultural	5,980.90	16.39	N/A	55.10	42.61				23,650
Total	45,437.21	124.49					105,023		24,096

Region IV Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,494.44	6.83	12.87	9.70	8.82	184	37,137	33.6%	
Self-supplied Domestic	5,280.05	14.47				197	73,496	66.4%	
Commercial-Industrial Self-supplied	693.40	1.90	N/A	N/A	N/A				
Recreational Irrigation	277.13	0.76							486
Power Generation	33135.44	90.78	N/A	N/A	N/A				
Agricultural	6,458.69	17.70	N/A	58.93	45.66				25,140
Total	48,339.16	132.44					110,633		25,626

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,667.74	7.31	13.76	10.38	9.45	186	39,387	33.9%	
Self-supplied Domestic	5,629.94	15.42				201	76,883	66.1%	
Commercial-Industrial Self-supplied	693.40	1.90	N/A	N/A	N/A				
Recreational Irrigation	300.23	0.82							527
Power Generation	33135.44	90.78	N/A	N/A	N/A				
Agricultural	6,731.70	18.44	N/A	61.17	47.38				26,426
Total	49,158.45	134.68					116,270		26,953

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	2,850.18	7.81	14.70	11.11	10.12	187	41,864	34.3%	
Self-supplied Domestic	5,981.62	16.39				204	80,363	65.7%	
Commercial-Industrial Self-supplied	693.40	1.90	N/A	N/A	N/A				
Recreational Irrigation	300.23	0.82							527
Power Generation	33135.44	90.78	N/A	N/A	N/A				
Agricultural	7,532.51	20.64	N/A	68.97	53.37				30,589
Total	50,493.38	138.34					122,227		31,116

Region IV Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	5.28	5.87	6.36	6.83	7.31	7.81
Self-supplied Domestic	12.00	12.35	13.41	14.47	15.42	16.39
Commercial-Industrial Self-supplied	1.90	1.90	1.90	1.90	1.90	1.90
Recreational Irrigation	0.70	0.70	0.70	0.76	0.82	0.82
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	11.29	17.67	16.39	17.70	18.44	20.64

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	9.93	11.07	11.99	12.87	13.76	14.70
Self-supplied Domestic	-	-	-	-	-	-
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	7.47	8.32	9.02	9.70	10.38	11.11
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	60.62	55.10	58.93	61.17	68.97

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	6.78	7.55	8.19	8.82	9.45	10.12
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	46.78	42.61	45.66	47.38	53.37

Calhoun County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	248.60	0.68	1.05	1.01	0.91	153	4,455	37.2%	
Domestic S.S. & Small Public S.S.	420.36	1.15				153	7,533	62.8%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	762.85	2.09	N/A	N/A	N/A				N/A
Total	1,431.81	3.92					11,988		0

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	262.50	0.72	1.11	1.07	0.96	164	4,382	36.8%	
Self-supplied Domestic	451.32	1.24				164	7,534	63.2%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,208.15	3.31	N/A	5.81	5.14				939
Total	1,921.97	5.27					11,916		939

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	302.38	0.83	1.28	1.23	1.10	177	4,689	37.1%	
Self-supplied Domestic	512.80	1.40				177	7,952	62.9%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,286.99	3.53	N/A	6.19	5.47				1,000
Total	2,102.17	5.76					12,641		1,000

Calhoun County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	342.25	0.94	1.45	1.39	1.25	187	5,003	37.3%	
Self-supplied Domestic	575.11	1.58				187	8,407	62.7%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,407.81	3.86	N/A	6.80	6.02				1,099
Total	2,325.17	6.37					13,410		1,099

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	382.12	1.05	1.62	1.56	1.39	197	5,324	37.4%	
Self-supplied Domestic	638.85	1.75				197	8,901	62.6%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,514.75	4.15	N/A	7.29	6.44				1,177
Total	2,535.72	6.95					14,225		1,177

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	422.00	1.16	1.78	1.72	1.54	205	5,637	37.4%	
Self-supplied Domestic	707.68	1.94				205	9,453	62.6%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,656.37	4.54	N/A	7.97	7.04				1,287
Total	2,786.05	7.63					15,090		1,287

Calhoun County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.68	0.72	0.83	0.94	1.05	1.16
Self-supplied Domestic	1.15	1.24	1.40	1.58	1.75	1.94
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation	0.00	0.00	0.00	0.00	0.00	0.00
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	2.09	3.31	3.53	3.86	4.15	4.54

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.05	1.11	1.28	1.45	1.62	1.78
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.01	1.07	1.23	1.39	1.56	1.72
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	5.81	6.19	6.80	7.29	7.97

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.91	0.96	1.10	1.25	1.39	1.54
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	5.14	5.47	6.02	6.44	7.04

Calhoun County Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.54	1.54	1.54	1.54	1.54
Peak Month	1.49	1.49	1.49	1.49	1.49
Peak 3 Month	1.33	1.33	1.33	1.33	1.33

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Blountstown (LIN)	212.50	221.26	253.05	284.83	316.61	348.40
Altha (LIN)	36.10	41.24	49.33	57.42	65.51	73.60
Total	248.60	262.50	302.38	342.25	382.12	422.00

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Blountstown (LIN)	0.58	0.61	0.69	0.78	0.87	0.95
Altha (LIN)	0.10	0.11	0.14	0.16	0.18	0.20
Total	0.68	0.72	0.83	0.94	1.05	1.16

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Blountstown (LIN)	1.54	1.50	1.33
Altha (LIN)	1.56	1.42	1.31

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Blountstown (LIN)	0.93	1.07	1.20	1.34	1.47
Altha (LIN)	0.18	0.21	0.25	0.28	0.31
Total	1.11	1.28	1.45	1.62	1.78

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Blountstown (LIN)	0.91	1.04	1.17	1.30	1.43
Altha (LIN)	0.16	0.19	0.22	0.25	0.29
Total	1.07	1.23	1.39	1.56	1.72

Calhoun County Summary

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Blountstown (LIN)	0.81	0.92	1.04	1.16	1.27
Altha (LIN)	0.15	0.18	0.21	0.24	0.26
Total	0.96	1.10	1.25	1.39	1.54

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Calhoun County	37%	37%	37%	37%	37%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Blountstown (LIN)	3,771	4,061	4,352	4,642	4,932
Altha (LIN)	611	628	651	682	705
Total	4,382	4,689	5,003	5,324	5,637

Total Area Population

Year	2000	2005	2010	2015	2020
Population	11,916	12,641	13,410	14,225	15,090

Holmes County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	367.30	1.01	1.84	1.30	1.18	260	3,864	22.2%	
Domestic S.S. & Small Public S.S.	1,285.26	3.52				260	13,521	77.8%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	92.38	0.25							162
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	N/A	N/A				N/A
Total	1,744.94	4.78					17,385		162

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	391.47	1.07	1.96	1.39	1.26	268	3,997	22.7%	
Self-supplied Domestic	1,329.61	3.64				268	13,577	77.3%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	92.38	0.25							162
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	1,813.46	4.97					17,574		162

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	413.52	1.13	2.07	1.47	1.33	279	4,056	21.8%	
Self-supplied Domestic	1,479.87	4.05				279	14,516	78.2%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	92.38	0.25							162
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0.00
Total	1,985.77	5.44					18,572		162

Holmes County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	427.05	1.17	2.14	1.52	1.38	285	4,110	20.9%	
Self-supplied Domestic	1,612.41	4.42				285	15,517	79.1%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	115.47	0.32							203
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	6.57	0.02	N/A	0.07	0.06				46
Total	2,161.51	5.92					19,627		249

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	435.79	1.19	2.18	1.56	1.41	287	4,161	20.1%	
Self-supplied Domestic	1,736.40	4.76				287	16,581	79.9%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	115.47	0.32							203
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	5.84	0.02	N/A	0.06	0.05				41
Total	2,293.49	6.28					20,742		244

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	441.98	1.21	2.22	1.58	1.43	287	4,212	19.2%	
Self-supplied Domestic	1,858.20	5.09				287	17,708	80.8%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	115.47	0.32							203
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	5.48	0.02	N/A	0.06	0.05				40
Total	2,421.13	6.63					21,920		243

Holmes County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.01	1.07	1.13	1.17	1.19	1.21
Self-supplied Domestic	3.52	3.64	4.05	4.42	4.76	5.09
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation	0.25	0.25	0.25	0.32	0.32	0.32
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	0.00	0.00	0.00	0.02	0.02	0.02

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.84	1.96	2.07	2.14	2.18	2.22
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.30	1.39	1.47	1.52	1.56	1.58
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.00	0.00	0.07	0.06	0.06

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.18	1.26	1.33	1.38	1.41	1.43
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.00	0.00	0.06	0.05	0.05

Holmes County Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.82	1.83	1.83	1.83	1.83
Peak Month	1.30	1.30	1.30	1.30	1.31
Peak 3 Month	1.17	1.17	1.18	1.18	1.18

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
City of Bonifay (LOG)	342.00	360.58	379.10	389.10	394.30	396.96
City of Ponce DeLeon (LIN)	25.30	30.89	34.42	37.95	41.49	45.02
Total	367.30	391.47	413.52	427.05	435.79	441.98

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
City of Bonifay (LOG)	0.94	0.99	1.04	1.07	1.08	1.09
City of Ponce DeLeon (LIN)	0.07	0.08	0.09	0.10	0.11	0.12
Total	1.01	1.07	1.13	1.17	1.19	1.21

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
City of Bonifay	1.81	1.27	1.14
City of Ponce DeLeon	2.00	1.67	1.55

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
City of Bonifay	1.79	1.88	1.93	1.96	1.97
City of Ponce DeLeon	0.17	0.19	0.21	0.23	0.25
Total	1.96	2.07	2.14	2.18	2.22

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
City of Bonifay	1.25	1.31	1.35	1.37	1.38
City of Ponce DeLeon	0.14	0.16	0.17	0.19	0.21
Total	1.39	1.47	1.52	1.56	1.58

Holmes County Summary

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
City of Bonifay	1.13	1.18	1.22	1.23	1.24
City of Ponce DeLeon	0.13	0.15	0.16	0.18	0.19
Total	1.26	1.33	1.38	1.41	1.43

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Holmes County	23%	22%	21%	20%	19%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
City of Bonifay	3,336	3,345	3,349	3,350	3,351
City of Ponce DeLeon	661	711	761	811	861
Total	3,997	4,056	4,110	4,161	4,212

Total Area Population

Year	2000	2005	2010	2015	2020
Population	17,574	18,572	19,627	20,742	21,920

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
Total Population	17,385	Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Number of Holes	36	2000	17,574	36	162	92.38
Holes Per Person	0.0020708	2005	18,572	36	162	92.38
Total Number Acres Irrigated	162	2010	19,627	45	203	115.47
Inches Per Acre	21	2015	20,742	45	203	115.47
Total GC Water Use in Mgal	92.38	2020	21,920	45	203	115.47
Water Use Per Hole in Mgal	2.57					

Golf Course Name Holes Location

Bonifay Country Club	18	State Road 177A, Bonifay, 32425
Red Bay GC	18	Red Bay
Total	36	

Jackson County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	800.40	2.19	4.35	3.23	2.94	147	14,870	31.9%	
Domestic S.S. & Small Public S.S.	1,706.68	4.68				147	31,707	68.1%	
Commercial-Industrial Self-supplied	565.70	1.55	N/A	N/A	N/A				
Recreational Irrigation	92.38	0.25							162
Power Generation	18,362.10	50.31	N/A	N/A	N/A				
Agricultural	3,030.23	8.30	N/A	N/A	N/A				N/A
Total	24,557.48	67.28					46,577		162

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	903.75	2.48	4.91	3.65	3.32	160	15,487	34.6%	
Self-supplied Domestic	1,706.38	4.68				160	29,240	65.4%	
Commercial-Industrial Self-supplied	565.70	1.55	N/A	N/A	N/A				
Recreational Irrigation	92.38	0.25							162
Power Generation	29,306.46	80.29	N/A	N/A	N/A				
Agricultural	4,789.90	13.12	N/A	52.63	39.72				24,560
Total	37,364.57	102.37					44,727		24,722

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	978.10	2.68	5.33	3.95	3.61	167	16,081	35.2%	
Self-supplied Domestic	1,801.33	4.94				167	29,615	64.8%	
Commercial-Industrial Self-supplied	565.70	1.55	N/A	N/A	N/A				
Recreational Irrigation	92.38	0.25							162
Power Generation	31,149.23	85.34	N/A	N/A	N/A				
Agricultural	4,211.74	11.54	N/A	46.59	35.09				22,274
Total	38,798.48	106.30					45,696		22,436

Jackson County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,054.56	2.89	5.75	4.26	3.90	172	16,796	35.6%	
Self-supplied Domestic	1,909.71	5.23				172	30,415	64.4%	
Commercial-Industrial Self-supplied	565.70	1.55	N/A	N/A	N/A				
Recreational Irrigation	92.38	0.25							162
Power Generation	32,992.00	90.39	N/A	N/A	N/A				
Agricultural	4,514.69	12.37	N/A	49.51	37.33				23,583
Total	41,129.04	112.68					47,211		23,745

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,135.82	3.11	6.20	4.58	4.21	176	17,632	36.4%	
Self-supplied Domestic	1,985.54	5.44				176	30,822	63.6%	
Commercial-Industrial Self-supplied	565.70	1.55	N/A	N/A	N/A				
Recreational Irrigation	92.38	0.25							162
Power Generation	32,992.00	90.39	N/A	N/A	N/A				
Agricultural	4,643.53	12.72	N/A	51.09	38.48				24,766
Total	41,414.97	113.47					48,454		24,928

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,227.74	3.36	6.70	4.95	4.55	181	18,589	37.4%	
Self-supplied Domestic	2,054.54	5.63				181	31,107	62.6%	
Commercial-Industrial Self-supplied	565.70	1.55	N/A	N/A	N/A				
Recreational Irrigation	92.38	0.25							162
Power Generation	32,992.00	90.39	N/A	N/A	N/A				
Agricultural	5,250.16	14.38	N/A	57.95	43.64				28,779
Total	42,182.51	115.57					49,696		28,941

Jackson County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.19	2.48	2.68	2.89	3.11	3.36
Self-supplied Domestic	4.68	4.68	4.94	5.23	5.44	5.63
Commercial-Industrial Self-supplied	1.55	1.55	1.55	1.55	1.55	1.55
Recreational Irrigation	0.25	0.25	0.25	0.25	0.25	0.25
Power Generation	50.31	80.29	85.34	90.39	90.39	90.39
Agricultural	8.30	13.12	11.54	12.37	12.72	14.38

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	4.35	4.91	5.33	5.75	6.20	6.70
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	N/A	N/A	N/A	N/A	N/A	N/A
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	3.23	3.65	3.95	4.26	4.58	4.95
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	N/A	N/A	N/A	N/A	N/A	N/A
Agricultural	N/A	52.63	46.59	49.51	51.09	57.95

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.94	3.32	3.61	3.90	4.21	4.55
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	N/A	N/A	N/A	N/A	N/A	N/A
Agricultural	N/A	39.72	35.09	37.33	38.48	43.64

Jackson County Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.98	1.99	1.99	1.99	1.99
Peak Month	1.47	1.47	1.47	1.47	1.47
Peak 3 Month	1.34	1.35	1.35	1.35	1.35

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Cottendale (GEO)	53.80	59.89	61.17	62.37	63.61	64.86
Graceville (MOD EXP)	137.50	144.05	145.60	148.51	153.96	164.17
Grand Ridge (LIN)	31.50	38.27	41.18	44.08	46.99	49.89
Greenwood (GEO)	28.00	34.54	36.13	37.79	39.53	41.35
Malone (MOD EXP)	26.50	31.38	34.58	37.44	40.00	42.29
Marianna (LIN)	430.30	501.50	564.31	627.13	689.94	752.75
Sneads (LOG)	92.80	94.12	95.13	97.24	101.79	112.43
Total	800.40	903.75	978.10	1,054.56	1,135.82	1,227.74

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Cottendale (GEO)	0.15	0.16	0.17	0.17	0.17	0.18
Graceville (MOD EXP)	0.38	0.39	0.40	0.41	0.42	0.45
Grand Ridge (LIN)	0.09	0.10	0.11	0.12	0.13	0.14
Greenwood (GEO)	0.08	0.09	0.10	0.10	0.11	0.11
Malone (MOD EXP)	0.07	0.09	0.09	0.10	0.11	0.12
Marianna (LIN)	1.18	1.37	1.55	1.72	1.89	2.06
Sneads (LOG)	0.25	0.26	0.26	0.27	0.28	0.31
Total	2.19	2.48	2.68	2.89	3.11	3.36

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Cottendale	1.74	1.71	1.30
Graceville	1.80	1.26	1.14
Grand Ridge	2.64	1.74	1.38
Greenwood	1.56	1.26	1.20
Malone	3.04	1.59	1.30
Marianna	1.97	1.45	1.41
Sneads	2.04	1.68	1.35

Jackson County Summary

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Cottendale	0.29	0.29	0.30	0.30	0.31
Graceville	0.71	0.72	0.73	0.76	0.81
Grand Ridge	0.28	0.30	0.32	0.34	0.36
Greenwood	0.15	0.15	0.16	0.17	0.18
Malone	0.26	0.29	0.31	0.33	0.35
Marianna	2.71	3.05	3.38	3.72	4.06
Sneeds	0.53	0.53	0.54	0.57	0.63
Total	4.91	5.33	5.75	6.20	6.70

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Cottendale	0.28	0.29	0.29	0.30	0.30
Graceville	0.50	0.50	0.51	0.53	0.57
Grand Ridge	0.18	0.20	0.21	0.22	0.24
Greenwood	0.12	0.12	0.13	0.14	0.14
Malone	0.14	0.15	0.16	0.17	0.18
Marianna	2.00	2.25	2.50	2.75	3.00
Sneeds	0.43	0.44	0.45	0.47	0.52
Total	3.65	3.95	4.26	4.58	4.95

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Cottendale	0.21	0.22	0.22	0.23	0.23
Graceville	0.45	0.45	0.46	0.48	0.51
Grand Ridge	0.15	0.16	0.17	0.18	0.19
Greenwood	0.11	0.12	0.12	0.13	0.14
Malone	0.11	0.12	0.13	0.14	0.15
Marianna	1.94	2.19	2.43	2.67	2.92
Sneeds	0.35	0.35	0.36	0.38	0.42
Total	3.32	3.61	3.90	4.21	4.55

Jackson County Summary

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Jackson County	35%	35%	36%	36%	37%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Cottendale	1,207	1,269	1,330	1,392	1,453
Graceville	2,747	2,772	2,798	2,823	2,848
Grand Ridge	734	758	783	807	831
Greenwood	652	685	718	751	784
Malone	973	982	987	991	993
Marianna	7,404	7,825	8,364	9,022	9,799
Sneeds	1,769	1,790	1,816	1,846	1,881
Total	15,487	16,081	16,796	17,632	18,589

Total Area Population

Year	2000	2005	2010	2015	2020
Population	44,727	45,696	47,211	48,454	49,696

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Blue Springs Baptist Center	10.90	10.90	10.90	10.90	10.90
FDNR: FL Caverns State Park	16.70	16.70	16.70	16.70	16.70
FDOC: Apalachee Corr. Instit.	235.30	235.30	235.30	235.30	235.30
FDOC: Dozier School	31.50	31.50	31.50	31.50	31.50
FDOC: Sunland Center	183.20	183.20	183.20	183.20	183.20
Jackson County Corr. Instit.	79.40	79.40	79.40	79.40	79.40
Marriana 76 Truck Stop	8.70	8.70	8.70	8.70	8.70
Total	565.70	565.70	565.70	565.70	565.70

Jackson County Summary

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Blue Springs Baptist Center	0.03	0.03	0.03	0.03	0.03
FDNR: FL Caverns State Park	0.05	0.05	0.05	0.05	0.05
FDOC: Apalachee Corr. Instit.	0.64	0.64	0.64	0.64	0.64
FDOC: Dozier School	0.09	0.09	0.09	0.09	0.09
FDOC: Sunland Center	0.50	0.50	0.50	0.50	0.50
Jackson County Corr. Instit.	0.22	0.22	0.22	0.22	0.22
Marriana 76 Truck Stop	0.02	0.02	0.02	0.02	0.02
Total	1.55	1.55	1.55	1.55	1.55

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
Total Population	46,577	Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Number of Holes	36	2000	44,727	36	162	92.38
Holes Per Person	0.0007729	2005	45,696	36	162	92.38
Total Number Acres Irrigated	162	2010	47,211	36	162	92.38
Inches Per Acre	21	2015	48,454	36	162	92.38
Total GC Water Use in Mgal	92.38	2020	49,696	36	162	92.38
Water Use Per Hole in Mgal	2.57					

Golf Course Name	Holes	Location
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Caverns GC	9	2601 Caverns Road, Marianna, 32446
Great Oaks GC	9	U.S. Highway 90, Marianna, 32446
Magnolia Oaks GC	18	5248 Clubhouse Drive, Marianna, 32446
Total	36	

Power Generation: Projected Annual Flow

Year	2000	2005	2010	2015	2020
Gulf Power-Scholtz Plant	29,306.46	31,149.23	32,992.00	32,992.00	32,992.00
Total	29,306.46	31,149.23	32,992.00	32,992.00	32,992.00

Power Generation: Projected Average Daily Flow (Mgal/d)

Year	2000	2005	2010	2015	2020
Gulf Power-Scholtz Plant	80.29	85.34	90.39	90.39	90.39
Total	80.29	85.34	90.39	90.39	90.39

Liberty County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	107.00	0.29	0.60	0.46	0.37	145	2,020	29.4%	
Domestic S.S. & Small Public S.S.	257.06	0.70				145	4,853	70.6%	
Commercial-Industrial Self-supplied	88.60	0.24	N/A	N/A	N/A				
Recreational Irrigation	0.00	0.00							0
Power Generation	143.44	0.39	N/A	N/A	N/A				
Agricultural	0.00	0.00	N/A	N/A	N/A				N/A
Total	596.10	1.63					6,873		0

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	121.66	0.33	0.68	0.52	0.43	169	1,971	29.1%	
Self-supplied Domestic	295.96	0.81				169	4,796	70.9%	
Commercial-Industrial Self-supplied	88.60	0.24	N/A	N/A	N/A				
Recreational Irrigation	0.00	0.00							0
Power Generation	143.44	0.39	N/A	N/A	N/A				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	649.66	1.78					6,767		0

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	138.59	0.38	0.78	0.60	0.49	185	2,057	27.4%	
Self-supplied Domestic	367.16	1.01				185	5,450	72.6%	
Commercial-Industrial Self-supplied	88.60	0.24	N/A	N/A	N/A				
Recreational Irrigation	0.00	0.00							0
Power Generation	143.44	0.39	N/A	N/A	N/A				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	737.79	2.02					7,507		0

Liberty County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	155.50	0.43	0.87	0.67	0.54	198	2,152	25.8%	
Self-supplied Domestic	446.20	1.22				198	6,175	74.2%	
Commercial-Industrial Self-supplied	88.60	0.24	N/A	N/A	N/A				
Recreational Irrigation	0.00	0.00							0
Power Generation	143.44	0.39	N/A	N/A	N/A				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	833.74	2.28					8,327		0

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	172.41	0.47	0.97	0.74	0.60	209	2,255	24.4%	
Self-supplied Domestic	533.90	1.46				209	6,983	75.6%	
Commercial-Industrial Self-supplied	88.60	0.24	N/A	N/A	N/A				
Recreational Irrigation	0.00	0.00							0
Power Generation	143.44	0.39	N/A	N/A	N/A				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	938.35	2.57					9,238		0

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	189.34	0.52	1.07	0.81	0.66	219	2,370	23.1%	
Self-supplied Domestic	629.38	1.72				219	7,878	76.9%	
Commercial-Industrial Self-supplied	88.60	0.24	N/A	N/A	N/A				
Recreational Irrigation	0.00	0.00							0
Power Generation	143.44	0.39	N/A	N/A	N/A				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	1,050.76	2.88					10,248		0

Liberty County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.29	0.33	0.38	0.43	0.47	0.52
Self-supplied Domestic	0.70	0.81	1.01	1.22	1.46	1.72
Commercial-Industrial Self-supplied	0.24	0.24	0.24	0.24	0.24	0.24
Recreational Irrigation	0.00	0.00	0.00	0.00	0.00	0.00
Power Generation	0.39	0.39	0.39	0.39	0.39	0.39
Agricultural	0.00	0.00	0.00	0.00	0.00	0.00

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.60	0.68	0.78	0.87	0.97	1.07
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	N/A	N/A	N/A	N/A	N/A	N/A
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.46	0.52	0.60	0.67	0.74	0.81
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	N/A	N/A	N/A	N/A	N/A	N/A
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.37	0.43	0.49	0.54	0.60	0.66
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	N/A	N/A	N/A	N/A	N/A	N/A
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Liberty County Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	2.05	2.05	2.05	2.05	2.06
Peak Month	1.57	1.57	1.57	1.56	1.56
Peak 3 Month	1.28	1.28	1.28	1.28	1.28

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
City of Bristol (LIN)	80.40	87.69	96.70	105.70	114.70	123.71
Hosford-Telogia (LIN)	26.60	33.97	41.89	49.80	57.71	65.63
Total	107.00	121.66	138.59	155.50	172.41	189.34

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
City of Bristol (LIN)	0.22	0.24	0.26	0.29	0.31	0.34
Hosford-Telogia (LIN)	0.07	0.09	0.11	0.14	0.16	0.18
Total	0.29	0.33	0.38	0.43	0.47	0.52

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Bristol	2.01	1.61	1.29
Hosford-Telogia	2.14	1.47	1.25

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Bristol	0.48	0.53	0.58	0.63	0.68
Hosford-Telogia	0.20	0.25	0.29	0.34	0.38
Total	0.68	0.78	0.87	0.97	1.07

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Bristol	0.39	0.43	0.47	0.51	0.55
Hosford-Telogia	0.14	0.17	0.20	0.23	0.26
Total	0.52	0.60	0.67	0.74	0.81

Liberty County Summary

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Bristol	0.31	0.34	0.37	0.40	0.44
Hosford-Telogia	0.12	0.14	0.17	0.20	0.23
Total	0.43	0.49	0.54	0.60	0.66

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Liberty County	29%	27%	26%	24%	23%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Bristol	1,534	1,560	1,587	1,614	1,642
Hosford-Telogia	438	497	565	641	728
Total	1,971	2,057	2,152	2,255	2,370

Total Area Population

Year	2000	2005	2010	2015	2020
Population	6,767	7,507	8,327	9,238	10,248

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
FDOC: Liberty Corr. Instit.	88.60	88.60	88.60	88.60	88.60
Total	88.60	88.60	88.60	88.60	88.60

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
FDOC: Liberty Corr. Instit.	0.24	0.24	0.24	0.24	0.24
Total	0.24	0.24	0.24	0.24	0.24

Liberty County Summary

Power Generation: Projected Annual Flow

Year	2000	2005	2010	2015	2020
Timber Energy	143.44	143.44	143.44	143.44	143.44
Total	143.44	143.44	143.44	143.44	143.44

Power Generation: Projected Average Daily Flow (Mgal/d)

Year	2000	2005	2010	2015	2020
Timber Energy	0.39	0.39	0.39	0.39	0.39
Total	0.39	0.39	0.39	0.39	0.39

Washington County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	402.50	1.10	2.09	1.46	1.37	160	6,875	36.2%	
Domestic S.S. & Small Public S.S.	710.45	1.95				160	12,135	63.8%	
Commercial-Industrial Self-supplied	39.10	0.11	N/A	N/A	N/A				
Recreational Irrigation	69.28	0.19							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	325.95	0.89	N/A	N/A	N/A				N/A
Total	1,547.28	4.24					19,010		122

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	464.00	1.27	2.41	1.68	1.58	169	7,523	39.1%	
Self-supplied Domestic	723.36	1.98				169	11,729	60.9%	
Commercial-Industrial Self-supplied	39.10	0.11	N/A	N/A	N/A				
Recreational Irrigation	69.28	0.19							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	452.24	1.24	N/A	2.18	1.92				351
Total	1,747.99	4.79					19,252		473

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	489.28	1.34	2.53	1.77	1.67	163	8,248	40.0%	
Self-supplied Domestic	733.16	2.01				163	12,359	60.0%	
Commercial-Industrial Self-supplied	39.10	0.11	N/A	N/A	N/A				
Recreational Irrigation	69.28	0.19							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	482.17	1.32	N/A	2.32	2.05				376
Total	1,813.00	4.97					20,607		498

Washington County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	515.08	1.41	2.66	1.86	1.75	155	9,077	41.2%	
Self-supplied Domestic	736.61	2.02				155	12,981	58.8%	
Commercial-Industrial Self-supplied	39.10	0.11	N/A	N/A	N/A				
Recreational Irrigation	69.28	0.19							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	529.62	1.45	N/A	2.55	2.25				412
Total	1,889.70	5.18					22,058		534

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	541.60	1.48	2.80	1.95	1.84	148	10,015	42.4%	
Self-supplied Domestic	735.26	2.01				148	13,596	57.6%	
Commercial-Industrial Self-supplied	39.10	0.11	N/A	N/A	N/A				
Recreational Irrigation	92.38	0.25							162
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	567.58	1.56	N/A	2.73	2.41				442
Total	1,975.91	5.41					23,611		604

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	569.12	1.56	2.94	2.05	1.94	141	11,056	43.7%	
Self-supplied Domestic	731.84	2.01				141	14,217	56.3%	
Commercial-Industrial Self-supplied	39.10	0.11	N/A	N/A	N/A				
Recreational Irrigation	92.38	0.25							162
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	620.50	1.70	N/A	2.99	2.64				483
Total	2,052.93	5.62					25,273		645

Washington County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.10	1.27	1.34	1.41	1.48	1.56
Self-supplied Domestic	1.95	1.98	2.01	2.02	2.01	2.01
Commercial-Industrial Self-supplied	0.11	0.11	0.11	0.11	0.11	0.11
Recreational Irrigation	0.19	0.19	0.19	0.19	0.25	0.25
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	0.89	1.24	1.32	1.45	1.56	1.70

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.09	2.41	2.53	2.66	2.80	2.94
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.46	1.68	1.77	1.86	1.95	2.05
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	2.18	2.32	2.55	2.73	2.99

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.37	1.58	1.67	1.75	1.84	1.94
Self-supplied Domestic						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	1.92	2.05	2.25	2.41	2.64

Washington County Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.90	1.89	1.89	1.88	1.88
Peak Month	1.32	1.32	1.32	1.31	1.31
Peak 3 Month	1.25	1.24	1.24	1.24	1.24

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Caryville (LIN)	29.40	34.60	36.49	38.39	40.29	42.19
Chipley (LIN)	271.40	323.73	347.52	371.31	395.11	418.90
Deltona (LIN)	55.90	62.69	61.07	59.46	57.85	56.23
Vernon (MOD EXP)	45.80	42.98	44.20	45.92	48.35	51.80
Total	402.50	464.00	489.28	515.08	541.60	569.12

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Caryville (LIN)	0.08	0.09	0.10	0.11	0.11	0.12
Chipley (LIN)	0.74	0.89	0.95	1.02	1.08	1.15
Deltona (LIN)	0.15	0.17	0.17	0.16	0.16	0.15
Vernon (MOD EXP)	0.13	0.12	0.12	0.13	0.13	0.14
Total	1.10	1.27	1.34	1.41	1.48	1.56

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Caryville	3.19	1.37	1.28
Chipley	1.62	1.22	1.21
Deltona	1.85	1.54	1.33
Vernon	3.00	1.75	1.38

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Caryville	0.30	0.32	0.34	0.35	0.37
Chipley	1.44	1.54	1.65	1.75	1.86
Deltona	0.32	0.31	0.30	0.29	0.29
Vernon	0.35	0.36	0.38	0.40	0.43
Total	2.41	2.53	2.66	2.80	2.94

Washington County Summary

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Caryville	0.13	0.14	0.14	0.15	0.16
Chipley	1.08	1.16	1.24	1.32	1.40
Deltona	0.27	0.26	0.25	0.24	0.24
Vernon	0.21	0.21	0.22	0.23	0.25
Total	1.68	1.77	1.86	1.95	2.05

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Caryville	0.12	0.13	0.13	0.14	0.15
Chipley	1.07	1.15	1.23	1.31	1.39
Deltona	0.23	0.22	0.22	0.21	0.20
Vernon	0.16	0.17	0.17	0.18	0.20
Total	1.58	1.67	1.75	1.84	1.94

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Washington County	39%	40%	41%	42%	44%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Caryville	704	748	792	837	881
Chipley	4,823	5,352	5,986	6,727	7,573
Deltona	1,033	1,148	1,263	1,379	1,494
Vernon	964	1,000	1,036	1,072	1,108
Total	7,523	8,248	9,077	10,015	11,056

Total Area Population

Year	2000	2005	2010	2015	2020
Population	19,252	20,607	22,058	23,611	25,273

Washington County Summary

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
FDOC: Washington Corr. Instit.	39.10	39.10	39.10	39.10	39.10
Total	39.10	39.10	39.10	39.10	39.10

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
FDOC: Washington Corr. Instit.	0.11	0.11	0.11	0.11	0.11
Total	0.11	0.11	0.11	0.11	0.11

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal					
Total Population	19,010		Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Number of Holes	27		2000	19,252	27	122	69.28
Holes Per Person	0.0014203		2005	20,607	27	122	69.28
Total Number Acres Irrigated	122		2010	22,058	27	122	69.28
Inches Per Acre	21		2015	23,611	36	162	92.38
Total GC Water Use in Mgal	69.28		2020	25,273	36	162	92.38
Water Use Per Hole in Mgal	2.57						

Golf Course Name Holes Location

Falling Waters CC	9	Falling Waters Drive, Chipley, 32428
Sunny Hills Golf & CC	18	1150 Country Club Blvd., Sunny Hills, 32428
Total	27	

Appendix 7.

Planning Region IV

c. Individually Projected Users

County	Utility/Owner	Plant/facility	ASC	Use	Projections in Mgal/d				
					2000	2005	2010	2015	2020
Calhoun	Altha, town of			PS	0.11	0.14	0.16	0.18	0.20
Calhoun	Blountstown, city of			PS	0.61	0.69	0.78	0.87	0.95
Holmes	Bonifay, city of			PS	0.99	1.04	1.07	1.08	1.09
Holmes	Ponce DeLeon, town of			PS	0.08	0.09	0.10	0.11	0.12
Jackson	Cottondale, town of			PS	0.16	0.17	0.17	0.17	0.18
Jackson	Graceville, city of			PS	0.39	0.40	0.41	0.42	0.45
Jackson	Grandridge, city of			PS	0.10	0.11	0.12	0.13	0.14
Jackson	Greenwood, town of			PS	0.09	0.10	0.10	0.11	0.11
Jackson	Malone, town of			PS	0.09	0.09	0.10	0.11	0.12
Jackson	Marianna, city of			PS	1.37	1.55	1.72	1.89	2.06
Jackson	Sneads, town of			PS	0.26	0.26	0.27	0.28	0.31
Jackson	Gulf Power	Scholtz Plant		PWR	80.29	85.34	90.39	90.39	90.39
Liberty	Bristol, city of			PS	0.24	0.26	0.29	0.31	0.34
Liberty	Hosford-Telogia Water System			PS	0.09	0.11	0.14	0.16	0.18
Liberty	Timber Energy			PWR	0.39	0.39	0.39	0.39	0.39
Washington	Carryville, town of			PS	0.09	0.10	0.11	0.11	0.12
Washington	Chipley, city of			PS	0.89	0.95	1.02	1.08	1.15
Washington	Deltona/Sunny Hills	Southern States Utilities		PS	0.17	0.17	0.16	0.16	0.15
Washington	Vernon Water System			PS	0.12	0.12	0.13	0.13	0.14

Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 8
Water Use and Demand Projections for Planning Region V

Appendix 8.
 Planning Region V
 a. System Inventory

Utility/Owner	Plant/facility	County	ASC	Use	1995 water use		Primary Water Source	Percent used	Secondary Water Source	Percent used
					Average Day in	Mgal				
Alligator Point W/S		Franklin	3	PS		0.12	Floridan aquifer	100		
Apalacicola, city of		Franklin	3	PS		0.7	Floridan aquifer	100		
Carrabelle, town of		Franklin	3	PS		0.17	Floridan aquifer	100		
East Point Water System		Franklin	3	PS		0.21	Floridan aquifer	100		
Lanark Village		Franklin	3	PS		0.2	Floridan aquifer	100		
St. George Island Utilities		Franklin	3	PS		0.34	Floridan aquifer	100		
Arizona Chemical	Gulf County Plant	Gulf	2	C-I		0.57	Floridan aquifer	100		
Florida Coast Paper		Gulf	2	C-I		27.98	Chipola River	100		
Florida Dept. of Corrections	Gulf Correctional Instit.	Gulf		C-I		0.16	Floridan aquifer	100		
Lighthouse Utilities	Cape San Blas	Gulf	2	PS		0.11	Floridan aquifer	100		
Port St. Joe, city of		Gulf	2	PS		1.04	Floridan aquifer	50	Surficial aquifer	50
Wewahitchcka, town of		Gulf		PS		0.13	Floridan aquifer	100		
St. Joseph's Bay Country Club		Gulf	2	R-I		0.13	Stormwater Runoff	70	Floridan aquifer	30
Highland View W/S		Gulf	2	SPS		N/A	City of Port St. Joe	100		
St. Joe Beach W/S		Gulf	2	SPS		N/A	City of Port St. Joe	100		

Data description; Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 8.

Planning Region V

b. Projection summary tables

The following projections were prepared by the U. S. Geological Survey-Water Resources Division (Tallahassee, Florida,1998) for the Northwest Florida Water Management District. These projections are for planning purposes only.

Data Sources: U.S. Geological Survey-WRD; Florida Department of Environmental Protection; Northwest Florida Water Management District; Bureau of Economic and Business Research; and individual utilities.

Footnotes and Specific Utility Projection Information:

Franklin County

- The Gulf County NonASC-2 per capita was used for Franklin County NonASC-3 to calculate Domestic self supply and small public supply systems water use. The per capita was then multiplied by the population in Franklin County NonASC-3 to produce the Domestic self-supply and small public supply systems water use.

Planning Region V Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,103.80	3.02	6.08	4.32	3.86	151	20,034	85.2%	
Domestic S.S. & Small Public S.S.	135.19	0.37				107	3,473	14.8%	
Commercial-Industrial Self-supplied	10,475.18	28.70	41.06	33.24	32.28				
Recreational Irrigation	65.98	0.18							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	N/A	N/A				N/A
Total	11,780.15	32.27					23,507		81

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,210.90	3.32	6.68	4.75	4.24	157	21,112	86.0%	
Domestic S.S. & Small Public S.S.	140.72	0.39				112	3,427	14.0%	
Commercial-Industrial Self-supplied	10,461.43	28.66	41.06	33.24	32.28				
Recreational Irrigation	65.98	0.18							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	11,879.03	32.55					24,539		81

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,308.50	3.58	7.28	5.16	4.61	153	23,478	86.9%	
Domestic S.S. & Small Public S.S.	141.45	0.39				109	3,542	13.1%	
Commercial-Industrial Self-supplied	10,474.21	28.70	41.12	33.29	32.32				
Recreational Irrigation	65.98	0.18							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	11,990.14	32.85					27,020		81

Planning Region V Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,395.61	3.82	7.76	5.52	4.92	147	26,057	86.3%	
Domestic S.S & Small Public S.S.	166.44	0.46				111	4,120	13.7%	
Commercial-Industrial Self-supplied	10,486.98	28.73	41.17	33.33	32.36				
Recreational Irrigation	65.98	0.18							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	12,115.02	33.19					30,177		81

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,520.88	4.17	8.54	6.05	5.39	142	29,248	85.4%	
Domestic S.S & Small Public S.S.	216.11	0.59				119	4,993	14.6%	
Commercial-Industrial Self-supplied	10,496.11	28.76	41.21	33.36	32.39				
Recreational Irrigation	98.98	0.27							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	12,332.07	33.79					34,241		122

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,633.23	4.47	9.20	6.51	5.80	139	32,279	81.6%	
Domestic S.S & Small Public S.S.	334.89	0.92				126	7,279	18.4%	
Commercial-Industrial Self-supplied	10,505.23	28.78	41.25	33.39	32.42				
Recreational Irrigation	98.98	0.27							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	12,572.32	34.44					39,558		122

Planning Region V Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	3.02	3.32	3.58	3.82	4.17	4.47
Domestic S.S & Small Public S.S.	0.37	0.39	0.39	0.46	0.59	0.92
Commercial-Industrial Self-supplied	28.70	28.66	28.70	28.73	28.76	28.78
Recreational Irrigation	0.18	0.18	0.18	0.18	0.27	0.27
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	0.00	0.00	0.00	0.00	0.00	0.00

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	6.08	6.68	7.28	7.76	8.54	9.20
Domestic S.S & Small Public S.S.	-	-	-	-	-	-
Commercial-Industrial Self-supplied	41.06	41.06	41.12	41.17	41.21	41.25
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	4.32	4.75	5.16	5.52	6.05	6.51
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	33.24	33.24	33.29	33.33	33.36	33.39
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	3.86	4.24	4.61	4.92	5.39	5.80
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	32.28	32.28	32.32	32.36	32.39	32.42
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Franklin County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	634.50	1.74	3.58	2.60	2.30	175	9,926	97.0%	
Domestic S.S. & Small Public S.S.	10.53	0.03				93	310	3.0%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	N/A	N/A				N/A
Total	645.03	1.77					10,236		0

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	716.11	1.96	4.05	2.94	2.60	184	10,680	94.9%	
Domestic S.S. & Small Public S.S.	24.49	0.07				117	571	5.1%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	740.60	2.03					11,251		0

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	794.22	2.18	4.50	3.26	2.88	180	12,060	94.7%	
Domestic S.S. & Small Public S.S.	30.22	0.08				122	678	5.3%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	824.44	2.26					12,738		0

Franklin County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	865.68	2.37	4.86	3.54	3.14	174	13,626	93.1%	
Domestic S.S & Small Public S.S.	49.31	0.14				134	1,008	6.9%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	914.99	2.51					14,634		0

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	960.79	2.63	5.45	3.96	3.50	167	15,796	92.7%	
Domestic S.S & Small Public S.S.	64.75	0.18				142	1,252	7.3%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	1,025.54	2.81					17,048		0

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,049.89	2.88	5.96	4.32	3.82	162	17,777	88.3%	
Domestic S.S & Small Public S.S.	129.77	0.36				151	2,349	11.7%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	1,179.66	3.23					20,126		0

Franklin County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.74	1.96	2.18	2.37	2.63	2.88
Domestic S.S & Small Public S.S.	0.03	0.07	0.08	0.14	0.18	0.36
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation	0.00	0.00	0.00	0.00	0.00	0.00
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	0.00	0.00	0.00	0.00	0.00	0.00

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	3.58	4.05	4.50	4.86	5.45	5.96
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.60	2.94	3.26	3.54	3.96	4.32
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.30	2.60	2.88	3.14	3.50	3.82
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Franklin County ASC-3 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	634.50	1.74	3.58	2.60	2.30	175	9,926	99.4%	
Domestic S.S. & Small Public S.S.	3.84	0.01				175	60	0.6%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	638.34	1.75					9,986		0

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	716.11	1.96	4.05	2.94	2.60	184	10,680	97.9%	
Domestic S.S. & Small Public S.S.	15.67	0.04				184	234	2.1%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	731.78	2.00					10,913		0

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	794.22	2.18	4.50	3.26	2.88	180	12,060	97.6%	
Domestic S.S. & Small Public S.S.	19.45	0.05				180	295	2.4%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	813.67	2.23					12,356		0

Franklin County ASC-3 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	865.68	2.37	4.86	3.54	3.14	174	13,626	96.0%	
Domestic S.S & Small Public S.S.	36.13	0.10				174	569	4.0%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	901.81	2.47					14,195		0

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	960.79	2.63	5.45	3.96	3.50	167	15,796	95.5%	
Domestic S.S & Small Public S.S.	45.02	0.12				167	740	4.5%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,005.81	2.76					16,537		0

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,049.89	2.88	5.96	4.32	3.82	162	17,777	91.1%	
Domestic S.S & Small Public S.S.	103.09	0.28				162	1,746	8.9%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,152.98	3.16					19,522		0

Franklin County ASC-3 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.74	1.96	2.18	2.37	2.63	2.88
Domestic S.S & Small Public S.S.	0.01	0.04	0.05	0.10	0.12	0.28
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation	0.00	0.00	0.00	0.00	0.00	0.00
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	3.58	4.05	4.50	4.86	5.45	5.96
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.60	2.94	3.26	3.54	3.96	4.32
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.30	2.60	2.88	3.14	3.50	3.82
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Franklin County ASC-3 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	2.06	2.07	2.05	2.07	2.07
Peak Month	1.50	1.50	1.49	1.50	1.50
Peak 3 Month	1.32	1.33	1.32	1.33	1.33

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Alligator Point (LIN)	42.40	46.62	51.52	46.43	61.33	66.23
Apalachicola (GEO)	256.00	290.58	317.44	346.78	378.84	413.85
Carrabelle (MOD)	60.90	65.03	65.03	65.03	65.03	65.03
East Point (GEO)	77.10	94.49	108.52	122.54	136.57	150.60
Lanark Village (GEO)	72.20	81.29	89.62	98.81	108.93	120.09
St. George Island (LIN)	125.90	138.10	162.09	186.09	210.09	234.09
Total	634.50	716.11	794.22	865.68	960.79	1,049.89

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Alligator Point (LIN)	0.12	0.13	0.14	0.13	0.17	0.18
Apalachicola (GEO)	0.70	0.80	0.87	0.95	1.04	1.13
Carrabelle (MOD)	0.17	0.18	0.18	0.18	0.18	0.18
East Point (GEO)	0.21	0.26	0.30	0.34	0.37	0.41
Lanark Village (GEO)	0.20	0.22	0.25	0.27	0.30	0.33
St. George Island (LIN)	0.34	0.38	0.44	0.51	0.58	0.64
Total	1.74	1.96	2.18	2.37	2.63	2.88

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Alligator Point	3.73	2.14	1.57
Apalachicola	1.41	1.28	1.19
Carrabelle	2.22	1.43	1.25
East Point	2.26	1.53	1.18
Lanark Village	2.69	1.80	1.60
St. George Island	2.29	1.57	1.48

Franklin County ASC-3 Summary

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Alligator Point	0.48	0.53	0.47	0.63	0.68
Apalachicola	1.12	1.23	1.34	1.46	1.60
Carrabelle	0.40	0.40	0.40	0.40	0.40
East Point	0.59	0.67	0.76	0.85	0.93
Lanark Village	0.60	0.66	0.73	0.80	0.89
St. George Island	0.87	1.02	1.17	1.32	1.47
Total	4.05	4.50	4.86	5.45	5.96

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Alligator Point	0.27	0.30	0.27	0.36	0.39
Apalachicola	1.02	1.11	1.22	1.33	1.45
Carrabelle	0.26	0.26	0.26	0.26	0.26
East Point	0.40	0.45	0.51	0.57	0.63
Lanark Village	0.40	0.44	0.49	0.54	0.59
St. George Island	0.59	0.70	0.80	0.90	1.01
Total	2.94	3.26	3.54	3.96	4.32

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Alligator Point	0.20	0.22	0.20	0.26	0.29
Apalachicola	0.95	1.04	1.13	1.24	1.35
Carrabelle	0.22	0.22	0.22	0.22	0.22
East Point	0.31	0.35	0.40	0.44	0.49
Lanark Village	0.36	0.39	0.43	0.48	0.53
St. George Island	0.56	0.66	0.76	0.85	0.95
Total	2.60	2.88	3.14	3.50	3.82

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Franklin County ASC-3	98%	98%	96%	96%	91%

Franklin County ASC-3 Summary

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Alligator Point	1,046	1,080	1,116	1,153	1,192
Apalachicola	3,821	4,658	5,676	7,375	8,755
Carrabelle	1,339	1,377	1,417	1,458	1,500
East Point	1,442	1,710	1,758	1,804	1,852
Lanark Village	1,247	1,406	1,585	1,788	2,016
St. George Island	1,785	1,829	2,074	2,218	2,462
Total	10,680	12,060	13,626	15,796	17,777

Percentage of County Population in Area

Year	2000	2005	2010	2015	2020
Percent	97%	97%	97%	97%	97%

Total Area Population

Year	2000	2005	2010	2015	2020
Population	10,913	12,356	14,195	16,537	19,522

Franklin NonASC-3 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	0.00	0.00	0.00	0.00	0.00	0	0	0.0%	
Domestic S.S. & Small Public S.S.	6.70	0.02				73	250	100.0%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	6.70	0.02					250		0

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	0.00	0.00	0.00	0.00	0.00	0	0	0.0%	
Domestic S.S. & Small Public S.S.	8.82	0.02				72	338	100.0%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	8.82	0.02					338		0

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	0.00	0.00	0.00	0.00	0.00	0	0	0.0%	
Domestic S.S. & Small Public S.S.	10.77	0.03				77	382	100.0%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	10.77	0.03					382		0

Franklin NonASC-3 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	0.00	0.00	0.00	0.00	0.00	0	0	0.0%	
Domestic S.S & Small Public S.S.	13.18	0.04				82	439	100.0%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	13.18	0.04					439		0

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	0.00	0.00	0.00	0.00	0.00	0	0	0.0%	
Domestic S.S & Small Public S.S.	19.73	0.05				106	511	100.0%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	19.73	0.05					511		0

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	0.00	0.00	0.00	0.00	0.00	0	0	0.0%	
Domestic S.S & Small Public S.S.	26.68	0.07				121	604	100.0%	
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	26.68	0.07					604		0

Franklin NonASC-3 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.00	0.00	0.00	0.00	0.00	0.00
Domestic S.S & Small Public S.S.	0.02	0.02	0.03	0.04	0.05	0.07
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation	0.00	0.00	0.00	0.00	0.00	0.00
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.00	0.00	0.00	0.00	0.00	0.00
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.00	0.00	0.00	0.00	0.00	0.00
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.00	0.00	0.00	0.00	0.00	0.00
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	N/A	N/A	N/A	N/A	N/A	N/A
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Gulf County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	469.30	1.29	2.50	1.72	1.56	127	10,108	76.2%	
Domestic S.S. & Small Public S.S.	124.65	0.34				108	3,163	23.8%	
Commercial-Industrial Self-supplied	10,475.18	28.70	41.06	33.24	32.28				
Recreational Irrigation	65.98	0.18							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	N/A	N/A				N/A
Total	11,135.12	30.51					13,271		81

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	494.79	1.36	2.63	1.81	1.65	130	10,432	78.5%	
Domestic S.S. & Small Public S.S.	116.23	0.32				111	2,856	21.5%	
Commercial-Industrial Self-supplied	10,461.43	28.66	41.06	33.24	32.28				
Recreational Irrigation	65.98	0.18							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	11,138.43	30.52					13,288		81

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	514.28	1.41	2.78	1.90	1.72	123	11,418	79.9%	
Domestic S.S. & Small Public S.S.	111.23	0.30				106	2,864	20.1%	
Commercial-Industrial Self-supplied	10,474.21	28.70	41.12	33.29	32.32				
Recreational Irrigation	65.98	0.18							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	11,165.70	30.59					14,282		81

Gulf County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	529.93	1.45	2.90	1.97	1.78	117	12,431	80.0%	
Domestic S.S & Small Public S.S.	117.13	0.32				103	3,112	20.0%	
Commercial-Industrial Self-supplied	10,486.98	28.73	41.17	33.33	32.36				
Recreational Irrigation	65.98	0.18	0.00	0.00	0.00				81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	11,200.03	30.69					15,543		81

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	560.09	1.53	3.09	2.09	1.89	114	13,452	78.2%	
Domestic S.S & Small Public S.S.	151.36	0.41				111	3,741	21.8%	
Commercial-Industrial Self-supplied	10,496.11	28.76	41.21	33.36	32.39				
Recreational Irrigation	98.98	0.27							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	11,306.53	30.98					17,193		122

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	583.34	1.60	3.24	2.19	1.98	110	14,502	74.6%	
Domestic S.S & Small Public S.S.	205.11	0.56				114	4,930	25.4%	
Commercial-Industrial Self-supplied	10,505.23	28.78	41.25	33.39	32.42				
Recreational Irrigation	98.98	0.27							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	11,392.66	31.21					19,432		122

Gulf County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.29	1.36	1.41	1.45	1.53	1.60
Domestic S.S & Small Public S.S.	0.34	0.32	0.30	0.32	0.41	0.56
Commercial-Industrial Self-supplied	28.70	28.66	28.70	28.73	28.76	28.78
Recreational Irrigation	0.18	0.18	0.18	0.18	0.27	0.27
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	0.00	0.00	0.00	0.00	0.00	0.00

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.50	2.63	2.78	2.90	3.09	3.24
Domestic S.S & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	41.06	41.06	41.12	41.17	41.21	41.25
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.72	1.81	1.90	1.97	2.09	2.19
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	33.24	33.24	33.29	33.33	33.36	33.39
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.56	1.65	1.72	1.78	1.89	1.98
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	32.28	32.28	32.32	32.36	32.39	32.42
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	0.00	0.00	0.00	0.00	0.00

Gulf ASC-2 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	420.50	1.15	2.21	1.54	1.40	139	8,287	83.3%	
Domestic S.S. & Small Public S.S.	84.54	0.23				139	1,666	16.7%	
Commercial-Industrial Self-supplied	10,418.30	28.54	40.82	33.04	32.10				
Recreational Irrigation	65.98	0.18							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	10,989.32	30.11					9,953		81

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	441.56	1.21	2.32	1.62	1.47	144	8,394	84.2%	
Domestic S.S. & Small Public S.S.	82.69	0.23				144	1,572	15.8%	
Commercial-Industrial Self-supplied	10,404.55	28.51	40.82	33.04	32.10				
Recreational Irrigation	65.98	0.18							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	10,994.79	30.12					9,966		81

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	453.06	1.24	2.42	1.68	1.51	134	9,246	86.3%	
Domestic S.S. & Small Public S.S.	71.81	0.20				134	1,466	13.7%	
Commercial-Industrial Self-supplied	10,417.33	28.54	40.88	33.08	32.14				
Recreational Irrigation	65.98	0.18							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	11,008.18	30.16					10,712		81

Gulf ASC-2 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	460.72	1.26	2.49	1.72	1.54	125	10,126	86.9%	
Domestic S.S & Small Public S.S.	69.67	0.19				125	1,531	13.1%	
Commercial-Industrial Self-supplied	10,430.10	28.58	40.93	33.13	32.18				
Recreational Irrigation	65.98	0.18							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	11,026.47	30.21					11,657		81

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	465.98	1.28	2.55	1.75	1.57	116	11,013	85.4%	
Domestic S.S & Small Public S.S.	79.62	0.22				116	1,882	14.6%	
Commercial-Industrial Self-supplied	10,439.23	28.60	40.97	33.16	32.21				
Recreational Irrigation	98.98	0.27							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	11,083.80	30.37					12,895		122

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	469.68	1.29	2.58	1.77	1.58	108	11,930	81.9%	
Domestic S.S & Small Public S.S.	104.09	0.29				108	2,644	18.1%	
Commercial-Industrial Self-supplied	10,448.35	28.63	41.01	33.19	32.24				
Recreational Irrigation	98.98	0.27							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	11,121.10	30.47					14,574		122

Gulf ASC-2 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.15	1.21	1.24	1.26	1.28	1.29
Domestic S.S & Small Public S.S.	0.23	0.23	0.20	0.19	0.22	0.29
Commercial-Industrial Self-supplied	28.54	28.51	28.54	28.58	28.60	28.63
Recreational Irrigation	0.18	0.18	0.18	0.18	0.27	0.27
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.21	2.32	2.42	2.49	2.55	2.58
Domestic S.S & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.54	1.62	1.68	1.72	1.75	1.77
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.40	1.47	1.51	1.54	1.57	1.58
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Gulf ASC-2 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.92	1.95	1.98	1.99	2.01
Peak Month	1.34	1.35	1.36	1.37	1.38
Peak 3 Month	1.21	1.22	1.22	1.23	1.23

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Lighthouse Utilities (MOD EXP)	41.80	47.09	53.57	58.55	62.38	65.32
Port Saint Joe (MOD EXP)	378.70	394.47	399.49	402.17	403.60	404.36
Total	420.50	441.56	453.06	460.72	465.98	469.68

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Lighthouse Utilities (MOD EXP)	0.11	0.13	0.15	0.16	0.17	0.18
Port Saint Joe (MOD EXP)	1.04	1.08	1.09	1.10	1.11	1.11
Total	1.15	1.21	1.24	1.26	1.28	1.29

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Lighthouse Utilities	4.35	2.45	1.75
Port Saint Joe	1.63	1.21	1.15

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Lighthouse Utilities	0.56	0.64	0.70	0.74	0.78
Port Saint Joe	1.76	1.78	1.80	1.80	1.81
Total	2.32	2.42	2.49	2.55	2.58

Gulf ASC-2 Summary

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Lighthouse Utilities	0.32	0.36	0.39	0.42	0.44
Port Saint Joe	1.30	1.32	1.33	1.33	1.34
Total	1.62	1.68	1.72	1.75	1.77

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Lighthouse Utilities	0.23	0.26	0.28	0.30	0.31
Port Saint Joe	1.24	1.26	1.26	1.27	1.27
Total	1.47	1.51	1.54	1.57	1.58

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Gulf ASC-2	84%	86%	87%	85%	82%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Lighthouse Utilities	1,590	1,815	2,010	2,150	2,250
Port Saint Joe	6,804	7,431	8,116	8,863	9,680
Total	8,394	9,246	10,126	11,013	11,930

Percentage of County Population in Area

Year	2000	2005	2010	2015	2020
Percent	75%	75%	75%	75%	75%

Total Area Population

Year	2000	2005	2010	2015	2020
Population	9,966	10,712	11,657	12,895	14,574

Gulf ASC-2 Summary

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Arizona Chemical	193.45	206.23	219.00	228.13	237.25
Florida Coast Paper	10211.10	10211.10	10211.10	10211.10	10211.10
Total	10404.55	10417.33	10430.10	10439.23	10448.35

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Arizona Chemical	0.53	0.57	0.60	0.63	0.65
Florida Coast Paper	27.98	27.98	27.98	27.98	27.98
Total	28.51	28.54	28.58	28.60	28.63

Commercial-Industrial Ratios

Ratios	Maximum Day	Peak Month	Peak 3 Month
Arizona Chemical	1.54	1.27	1.19
Florida Coast Paper	1.43	1.16	1.13
Total	2.97	2.42	2.31

Commercial-Industrial: Projected Max Day

Year	2000	2005	2010	2015	2020
Arizona Chemical	0.82	0.87	0.92	0.96	1.00
Florida Coast Paper	40.01	40.01	40.01	40.01	40.01
Total	40.82	40.88	40.93	40.97	41.01

Commercial-Industrial: Projected Peak Month

Year	2000	2005	2010	2015	2020
Arizona Chemical	0.67	0.72	0.76	0.79	0.82
Florida Coast Paper	32.37	32.37	32.37	32.37	32.37
Total	33.04	33.08	33.13	33.16	33.19

Gulf ASC-2 Summary

Commercial-Industrial: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Arizona Chemical	0.63	0.67	0.71	0.74	0.77
Florida Coast Paper	31.47	31.47	31.47	31.47	31.47
Total	32.10	32.14	32.18	32.21	32.24

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
		Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Population	9,953	2000	9,966	18	81	65.98
Total Number of Holes	18	2005	10,712	18	81	65.98
Holes Per Person	0.0018085	2010	11,657	18	81	65.98
Total Number Acres Irrigated	81	2015	12,895	27	122	98.98
Inches Per Acre	30	2020	14,574	27	122	98.98
Total GC Water Use in Mgal	65.98					
Water Use Per Hole in Mgal	3.67					

Golf Course Name	Holes	Location
Saint Josephs Bay CC	18	CR 30 South, Port St. Joe, 32456
Total	18	

Gulf NonASC-2 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	48.80	0.13	0.28	0.18	0.17	73	1,821	54.9%	
Domestic S.S. & Small Public S.S.	40.12	0.11				73	1,497	45.1%	
Commercial-Industrial Self-supplied	56.88	0.16	0.24	0.20	0.18				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	145.80	0.40					3,318		0

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	53.23	0.15	0.31	0.19	0.18	72	2,038	61.3%	
Domestic S.S. & Small Public S.S.	33.54	0.09				72	1,284	38.7%	
Commercial-Industrial Self-supplied	56.88	0.16	0.24	0.20	0.18				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	143.65	0.39					3,322		0

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	61.22	0.17	0.36	0.22	0.21	77	2,172	60.8%	
Domestic S.S. & Small Public S.S.	39.42	0.11				77	1,399	39.2%	
Commercial-Industrial Self-supplied	56.88	0.16	0.24	0.20	0.18				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	157.52	0.43					3,571		0

Gulf NonASC-2 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	69.21	0.19	0.40	0.25	0.24	82	2,305	59.3%	
Domestic S.S & Small Public S.S.	47.46	0.13				82	1,581	40.7%	
Commercial-Industrial Self-supplied	56.88	0.16	0.24	0.20	0.18				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	173.55	0.48					3,886		0

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	94.11	0.26	0.55	0.34	0.33	106	2,439	56.7%	
Domestic S.S & Small Public S.S.	71.74	0.20				106	1,859	43.3%	
Commercial-Industrial Self-supplied	56.88	0.16	0.24	0.20	0.18				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	222.73	0.61					4,298		0

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	113.66	0.31	0.66	0.41	0.39	121	2,572	52.9%	
Domestic S.S & Small Public S.S.	101.02	0.28				121	2,286	47.1%	
Commercial-Industrial Self-supplied	56.88	0.16	0.24	0.20	0.18				
Recreational Irrigation	0.00	0.00							0
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	271.56	0.74					4,858		0

Gulf NonASC-2 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.13	0.15	0.17	0.19	0.26	0.31
Domestic S.S & Small Public S.S.	0.11	0.09	0.11	0.13	0.20	0.28
Commercial-Industrial Self-supplied	0.16	0.16	0.16	0.16	0.16	0.16
Recreational Irrigation	0.00	0.00	0.00	0.00	0.00	0.00
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.28	0.31	0.36	0.40	0.55	0.66
Domestic S.S & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	0.24	0.24	0.24	0.24	0.24	0.24
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.18	0.19	0.22	0.25	0.34	0.41
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	0.20	0.20	0.20	0.20	0.20	0.20
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.17	0.18	0.21	0.24	0.33	0.39
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	0.18	0.18	0.18	0.18	0.18	0.18
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Gulf NonASC-2 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	2.12	2.12	2.12	2.12	2.12
Peak Month	1.32	1.32	1.32	1.32	1.32
Peak 3 Month	1.26	1.26	1.26	1.26	1.26

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Wewahitchcka (LIN)	48.80	53.23	61.22	69.21	94.11	113.66
Total	48.80	53.23	61.22	69.21	94.11	113.66

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Wewahitchcka (LIN)	0.13	0.15	0.17	0.19	0.26	0.31
Total	0.13	0.15	0.17	0.19	0.26	0.31

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Wewahitchcka	2.12	1.32	1.26

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Wewahitchcka	0.31	0.36	0.40	0.55	0.66
Total	0.31	0.36	0.40	0.55	0.66

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Wewahitchcka	0.19	0.22	0.25	0.34	0.41
Total	0.19	0.22	0.25	0.34	0.41

Gulf NonASC-2 Summary

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Wawahitchcka	0.18	0.21	0.24	0.33	0.39
Total	0.18	0.21	0.24	0.33	0.39

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Gulf NonASC-2	61%	61%	59%	57%	53%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Wawahitchcka (LIN)	2,038	2,172	2,305	2,439	2,572
Total	2,038	2,172	2,305	2,439	2,572

Total Area Population

Year	2000	2005	2010	2015	2020
Population	3,322	3,571	3,886	4,298	4,858

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Gulf Correctional Facility	56.88	56.88	56.88	56.88	56.88
Total	56.88	56.88	56.88	56.88	56.88

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Gulf Correctional Facility	0.16	0.16	0.16	0.16	0.16
Total	0.16	0.16	0.16	0.16	0.16

Commercial-Industrial Ratios

Ratios	Maximum Day	Peak Month	Peak 3 Month
Gulf Correctional Facility	1.55	1.30	1.13
Total	1.55	1.30	1.13

Gulf NonASC-2 Summary

Commercial-Industrial: Projected Max Day

Year	2000	2005	2010	2015	2020
Gulf Correctional Facility	0.24	0.24	0.24	0.24	0.24
Total	0.24	0.24	0.24	0.24	0.24

Commercial-Industrial: Projected Peak Month

Year	2000	2005	2010	2015	2020
Gulf Correctional Facility	0.20	0.20	0.20	0.20	0.20
Total	0.20	0.20	0.20	0.20	0.20

Commercial-Industrial: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Gulf Correctional Facility	0.18	0.18	0.18	0.18	0.18
Total	0.18	0.18	0.18	0.18	0.18

Appendix 8.

Planning Region V

c. Individually Projected Users

County	Utility/Owner	Plant/facility	ASC	Use	Projections in Mgal/d				
					2000	2005	2010	2015	2020
Franklin	Alligator Point W/S		3	PS	0.13	0.14	0.13	0.17	0.18
Franklin	Apalacicola, city of		3	PS	0.80	0.87	0.95	1.04	1.13
Franklin	Carrabelle, town of		3	PS	0.18	0.18	0.18	0.18	0.18
Franklin	East Point Water System		3	PS	0.26	0.30	0.34	0.37	0.41
Franklin	Lanark Village		3	PS	0.22	0.25	0.27	0.30	0.33
Franklin	St. George Island Utilities		3	PS	0.38	0.44	0.51	0.58	0.64
Gulf	Arizona Chemical	Gulf County Plant	2	C-I	0.53	0.57	0.60	0.63	0.65
Gulf	Florida Coast Paper		2	C-I	27.98	27.98	27.98	27.98	27.98
Gulf	Lighthouse Utilities	Cape San Blas	2	PS	0.13	0.15	0.16	0.17	0.18
Gulf	Port St. Joe, city of		2	PS	1.08	1.09	1.10	1.11	1.11
Gulf	Wewahitchcka, town of			PS	0.15	0.17	0.19	0.26	0.31

Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 9
Water Use and Demand Projections for Planning Region VI

Appendix 9.
 Planning Region VI
 a. System Inventory

Utility/Owner	Plant/facility	County	ASC	Use	1995 water use		Primary Water Source	Percent used	Secondary Water Source	Percent used
					Average Day in	Mgal				
FDOC: Gadsden Corr.		Gadsden	5	C-I	0.01		Floridan aquifer	N/A		
FDOC: Lively Law Center		Gadsden	5	C-I	0.81		Floridan aquifer	N/A		
FDOC: State Hospital		Gadsden	5	C-I	0.01		Floridan aquifer	N/A		
FDOT: I-10 Rest Stop		Gadsden	5	C-I	0.00		Floridan aquifer	N/A		
Quincy Farms		Gadsden	5	C-I	0.21		Floridan aquifer	N/A		
Chattahoochee, city of		Gadsden		PS	0.91		Floridan aquifer	100		
Greensboro, town of		Gadsden	5	PS	0.08		Floridan aquifer	100		
Gretna, town of		Gadsden	5	PS	0.25		Floridan aquifer	100		
Havana, town of		Gadsden		PS	0.58		Floridan aquifer	100		
Quincy, city of		Gadsden	5	PS	1.44		Quincy Creek	99	Floridan aquifer	
Talquin Electric Coop.	Gadsden Regional	Gadsden	5	PS	0.54		Floridan aquifer	100		
Havana Golf & Country Club		Gadsden		R-I	N/A		N/A	N/A		
Gadson Country Club		Gadsden	5	R-I	N/A		N/A	N/A		
Seminole Vally Golf Course		Gadsden		R-I	N/A		N/A	N/A		
Joyland Subdivision		Gadsden		SPS	0.02		Floridan aquifer	100		
Rentz MHP		Gadsden		SPS	0.01		Floridan aquifer	100		
Talquin Electric Coop.	Jamison	Gadsden		SPS	0.01		Floridan aquifer	100		
Talquin Electric Coop.	St. James	Gadsden		SPS	0.01		Floridan aquifer	100		

Data description; Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation.
 Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 9.

Planning Region VI

b. Projection summary tables

The following projections were prepared by the U. S. Geological Survey-Water Resources Division (Tallahassee, Florida, 1998) for the Northwest Florida Water Management District. These projections are for planning purposes only.

Data Sources: U.S. Geological Survey-WRD; Florida Department of Environmental Protection; Northwest Florida Water Management District; Bureau of Economic and Business Research; and individual utilities.

Region VI Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,384.30	3.79	8.73	5.13	4.51	128	29,619	66.2%	
Domestic S.S. & Small Public S.S.	801.56	2.20				145	15,115	33.8%	
Commercial-Industrial Self-supplied	373.85	1.02	2.00	1.55	1.43				
Recreational Irrigation	91.76	0.25							161
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,911.14	5.24	N/A	N/A	N/A				N/A
Total	4,562.61	12.50					44,734		161

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,339.48	3.67	8.34	4.96	4.33	126	29,227	65.0%	
Domestic S.S. & Small Public S.S.	712.82	1.95				124	15,755	35.0%	
Commercial-Industrial Self-supplied	381.88	1.05	2.04	1.58	1.46				
Recreational Irrigation	91.76	0.25							161
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	2,335.64	6.40	N/A	15.74	13.21				3,410
Total	4,861.58	13.32					44,982		3,571

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,403.25	3.84	8.71	5.20	4.52	128	29,933	64.3%	
Domestic S.S. & Small Public S.S.	774.64	2.12				128	16,624	35.7%	
Commercial-Industrial Self-supplied	386.11	1.06	2.06	1.59	1.47				
Recreational Irrigation	91.76	0.25							161
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	2,095.83	5.74	N/A	12.00	10.37				2,500
Total	4,751.59	13.02					46,557		2,661

Region VI Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,468.31	4.02	9.09	5.45	4.71	133	30,340	62.7%	
Domestic S.S & Small Public S.S.	870.19	2.38				132	18,032	37.3%	
Commercial-Industrial Self-supplied	390.35	1.07	2.08	1.61	1.49				
Recreational Irrigation	91.76	0.25	0.00	0.00	0.00				161
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	2,396.96	6.57	N/A	14.34	12.28				2,987
Total	5,217.57	14.29					48,372		3,148

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,533.26	4.20	9.47	5.69	4.90	137	30,604	60.7%	
Domestic S.S & Small Public S.S.	991.90	2.72				137	19,822	39.3%	
Commercial-Industrial Self-supplied	395.00	1.08	2.10	1.63	1.50				
Recreational Irrigation	91.76	0.25							161
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	2,425.06	6.64	N/A	13.63	11.81				2,797
Total	5,436.98	14.90					50,426		2,958

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,598.78	4.38	9.85	5.94	5.10	142	30,810	58.4%	
Domestic S.S & Small Public S.S.	1,136.65	3.11				142	21,909	41.6%	
Commercial-Industrial Self-supplied	399.66	1.09	2.12	1.64	1.52				
Recreational Irrigation	114.86	0.31							201
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	2,509.74	6.88	N/A	13.15	11.56				2,680
Total	5,759.68	15.78					52,719		2,881

Region VI Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	3.79	3.67	3.84	4.02	4.20	4.38
Domestic S.S & Small Public S.S.	2.20	1.95	2.12	2.38	2.72	3.11
Commercial-Industrial Self-supplied	1.02	1.05	1.06	1.07	1.08	1.09
Recreational Irrigation	0.25	0.25	0.25	0.25	0.25	0.31
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	5.24	6.40	5.74	6.57	6.64	6.88

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	8.73	8.34	8.71	9.09	9.47	9.85
Domestic S.S & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	2.00	2.04	2.06	2.08	2.10	2.12
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	5.13	4.96	5.20	5.45	5.69	5.94
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	1.55	1.58	1.59	1.61	1.63	1.64
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	15.74	12.00	14.34	13.63	13.15

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	4.51	4.33	4.52	4.71	4.90	5.10
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	1.43	1.46	1.47	1.49	1.50	1.52
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	13.21	10.37	12.28	11.81	11.56

Gadsden County Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,384.30	3.79	8.73	5.13	4.51	128	29,619	66.2%	
Domestic S.S. & Small Public S.S.	801.56	2.20				145	15,115	33.8%	
Commercial-Industrial Self-supplied	373.85	1.02	2.00	1.55	1.43				
Recreational Irrigation	91.76	0.25							161
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,911.14	5.24	N/A	N/A	N/A				N/A
Total	4,562.61	12.50					44,734		161

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
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Commercial-Industrial Self-supplied	381.88	1.05	2.04	1.58	1.46				
Recreational Irrigation	91.76	0.25							161
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	2,335.64	6.40	N/A	15.74	13.21				3,410
Total	4,861.58	13.32					44,982		3,571

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,403.25	3.84	8.71	5.20	4.52	128	29,933	64.3%	
Domestic S.S. & Small Public S.S.	774.64	2.12				128	16,624	35.7%	
Commercial-Industrial Self-supplied	386.11	1.06	2.06	1.59	1.47				
Recreational Irrigation	91.76	0.25							161
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	2,095.83	5.74	N/A	12.00	10.37				2,500
Total	4,751.59	13.02					46,557		2,661

Gadsden County Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,468.31	4.02	9.09	5.45	4.71	133	30,340	62.7%	
Domestic S.S & Small Public S.S.	870.19	2.38				132	18,032	37.3%	
Commercial-Industrial Self-supplied	390.35	1.07	2.08	1.61	1.49				
Recreational Irrigation	91.76	0.25	0.00	0.00	0.00				161
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	2,396.96	6.57	N/A	14.34	12.28				2,987
Total	5,217.57	14.29					48,372		3,148

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,533.26	4.20	9.47	5.69	4.90	137	30,604	60.7%	
Domestic S.S & Small Public S.S.	991.90	2.72				137	19,822	39.3%	
Commercial-Industrial Self-supplied	395.00	1.08	2.10	1.63	1.50				
Recreational Irrigation	91.76	0.25							161
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	2,425.06	6.64	N/A	13.63	11.81				2,797
Total	5,436.98	14.90					50,426		2,958

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,598.78	4.38	9.85	5.94	5.10	142	30,810	58.4%	
Domestic S.S & Small Public S.S.	1,136.65	3.11				142	21,909	41.6%	
Commercial-Industrial Self-supplied	399.66	1.09	2.12	1.64	1.52				
Recreational Irrigation	114.86	0.31							201
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	2,509.74	6.88	N/A	13.15	11.56				2,680
Total	5,759.68	15.78					52,719		2,881

Gadsden County Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	3.79	3.67	3.84	4.02	4.20	4.38
Domestic S.S & Small Public S.S.	2.20	1.95	2.12	2.38	2.72	3.11
Commercial-Industrial Self-supplied	1.02	1.05	1.06	1.07	1.08	1.09
Recreational Irrigation	0.25	0.25	0.25	0.25	0.25	0.31
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	5.24	6.40	5.74	6.57	6.64	6.88

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	8.73	8.34	8.71	9.09	9.47	9.85
Domestic S.S & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	2.00	2.04	2.06	2.08	2.10	2.12
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	5.13	4.96	5.20	5.45	5.69	5.94
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	1.55	1.58	1.59	1.61	1.63	1.64
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	15.74	12.00	14.34	13.63	13.15

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	4.51	4.33	4.52	4.71	4.90	5.10
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	1.43	1.46	1.47	1.49	1.50	1.52
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	13.21	10.37	12.28	11.81	11.56

Gadsden ASC-5 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	842.10	2.31	4.97	3.14	2.72	103	22,408	71.6%	
Domestic S.S. & Small Public S.S.	334.68	0.92				103	8,906	28.4%	
Commercial-Industrial Self-supplied	76.65	0.21	0.37	0.28	0.27				
Recreational Irrigation	46.19	0.13							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,299.62	3.56					31,314		81

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	903.94	2.48	5.34	3.37	2.89	115	21,500	63.7%	
Domestic S.S. & Small Public S.S.	514.49	1.41				115	12,237	36.3%	
Commercial-Industrial Self-supplied	84.68	0.23	0.41	0.31	0.30				
Recreational Irrigation	46.19	0.13							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,549.31	4.24					33,737		81

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	973.94	2.67	5.75	3.63	3.10	120	22,187	63.5%	
Domestic S.S. & Small Public S.S.	558.86	1.53				120	12,731	36.5%	
Commercial-Industrial Self-supplied	88.91	0.24	0.43	0.32	0.31				
Recreational Irrigation	46.19	0.13							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,667.90	4.57					34,918		81

Gadsden ASC-5 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,044.32	2.86	6.17	3.90	3.31	127	22,567	62.2%	
Domestic S.S & Small Public S.S.	634.55	1.74				127	13,712	37.8%	
Commercial-Industrial Self-supplied	93.15	0.26	0.45	0.34	0.33				
Recreational Irrigation	46.19	0.13							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,818.21	4.98					36,279		81

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,115.09	3.06	6.58	4.16	3.52	134	22,792	60.3%	
Domestic S.S & Small Public S.S.	735.25	2.01				134	15,028	39.7%	
Commercial-Industrial Self-supplied	97.80	0.27	0.47	0.36	0.35				
Recreational Irrigation	46.19	0.13							81
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,994.33	5.46					37,820		81

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	1,186.26	3.25	7.00	4.42	3.73	142	22,941	58.0%	
Domestic S.S & Small Public S.S.	858.24	2.35				142	16,598	42.0%	
Commercial-Industrial Self-supplied	102.46	0.28	0.50	0.37	0.36				
Recreational Irrigation	69.28	0.19							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	2,216.24	6.07					39,539		122

Gadsden ASC-5 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.31	2.48	2.67	2.86	3.06	3.25
Domestic S.S & Small Public S.S.	0.92	1.41	1.53	1.74	2.01	2.35
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation	0.13	0.13	0.13	0.13	0.13	0.19
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	4.97	5.34	5.75	6.17	6.58	7.00
Domestic S.S & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	3.14	3.37	3.63	3.90	4.16	4.42
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.72	2.89	3.10	3.31	3.52	3.73
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Gadsden ASC-5 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	2.16	2.16	2.16	2.16	2.15
Peak Month	1.36	1.36	1.36	1.36	1.36
Peak 3 Month	1.17	1.16	1.16	1.15	1.15

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Greensboro (GEO)	30.10	28.43	29.65	30.92	32.25	33.63
Gretna (LIN)	89.60	89.38	88.98	88.58	88.17	87.77
Quincy (GEO)	525.40	510.49	523.44	536.72	550.34	564.30
Talquin-Gadsden Regnl (LIN)	197.00	275.64	331.87	388.10	444.33	500.56
Total	842.10	903.94	973.94	1,044.32	1,115.09	1,186.26

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Greensboro (GEO)	0.08	0.08	0.08	0.08	0.09	0.09
Gretna (LIN)	0.25	0.24	0.24	0.24	0.24	0.24
Quincy (GEO)	1.44	1.40	1.43	1.47	1.51	1.55
Talquin-Gadsden Regnl (LIN)	0.54	0.76	0.91	1.06	1.22	1.37
Total	2.31	2.48	2.67	2.86	3.06	3.25

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Greensboro	2.29	1.58	1.37
Gretna	2.42	1.37	1.18
Quincy	2.10	1.35	1.21
Talquin-Gadsden Regional	2.16	1.36	1.06

Gadsden ASC-5 Summary

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Greensboro	0.18	0.19	0.19	0.20	0.21
Gretna	0.59	0.59	0.59	0.58	0.58
Quincy	2.94	3.01	3.09	3.17	3.25
Talquin-Gadsden Regional	1.63	1.96	2.30	2.63	2.96
Total	5.34	5.75	6.17	6.58	7.00

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Greensboro	0.12	0.13	0.13	0.14	0.15
Gretna	0.34	0.33	0.33	0.33	0.33
Quincy	1.89	1.93	1.98	2.03	2.08
Talquin-Gadsden Regional	1.03	1.24	1.45	1.66	1.87
Total	3.37	3.63	3.90	4.16	4.42

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Greensboro	0.11	0.11	0.12	0.12	0.13
Gretna	0.29	0.29	0.29	0.28	0.28
Quincy	1.70	1.74	1.78	1.83	1.87
Talquin-Gadsden Regional	0.80	0.96	1.12	1.29	1.45
Total	2.89	3.10	3.31	3.52	3.73

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Gadsden ASC-5	64%	64%	62%	60%	58%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Greensboro	757	763	769	775	781
Gretna	1,746	1,746	1,746	1,746	1,746
Quincy	9,520	9,593	9,667	9,741	9,816
Talquin-Gadsden Regional	9,477	10,085	10,385	10,530	10,598
Total	21,500	22,187	22,567	22,792	22,941

Gadsden ASC-5 Summary

Percentage of County Population in Area

Year	2000	2005	2010	2015	2020
Percent	75%	75%	75%	75%	75%

Total Area Population

Year	2000	2005	2010	2015	2020
Population	33,737	34,918	36,279	37,820	39,539

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Quincy Farms (UTIL)	84.68	88.91	93.15	97.80	102.46
Total	84.68	88.91	93.15	97.80	102.46

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Quincy Farms (UTIL)	0.23	0.24	0.26	0.27	0.28
Total	0.23	0.24	0.26	0.27	0.28

Commercial-Industrial Ratios

Ratios	Maximum Day	Peak Month	Peak 3 Month
Quincy Farms	1.77	1.33	1.29
Total	1.77	1.33	1.29

Commercial-Industrial: Projected Max Day

Year	2000	2005	2010	2015	2020
Quincy Farms	0.41	0.43	0.45	0.47	0.50
Total	0.41	0.43	0.45	0.47	0.50

Gadsden ASC-5 Summary

Commercial-Industrial: Projected Peak Month

Year	2000	2005	2010	2015	2020
Quincy Farms	0.31	0.32	0.34	0.36	0.37
Total	0.31	0.32	0.34	0.36	0.37

Commercial-Industrial: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Quincy Farms	0.30	0.31	0.33	0.35	0.36
Total	0.30	0.31	0.33	0.35	0.36

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
Total Population	31,314	Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Number of Holes	18	2000	33,737	18	81	46.19
Holes Per Person	0.0005748	2005	34,918	18	81	46.19
Total Number Acres Irrigated	81	2010	36,279	18	81	46.19
Inches Per Acre	21	2015	37,820	18	81	46.19
Total GC Water Use in Mgal	46.19	2020	39,539	27	122	69.28
Water Use Per Hole in Mgal	2.57					

Golf Course Name	Holes	Location
Gadson Country Club	18	Solomon Dairy Rd, Quincy, 32353
Total	18	

Gadsden NonASC-5 Summary

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	542.20	1.49	3.76	1.99	1.80	206	7,211	53.7%	
Domestic S.S. & Small Public S.S.	466.87	1.28				206	6,209	46.3%	
Commercial-Industrial Self-supplied	297.20	0.81	1.63	1.27	1.16				
Recreational Irrigation	45.57	0.12							80
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,351.85	3.70					13,420		80

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	435.54	1.19	3.00	1.59	1.44	154	7,727	68.7%	
Domestic S.S. & Small Public S.S.	198.32	0.54				154	3,519	31.3%	
Commercial-Industrial Self-supplied	297.20	0.81	1.63	1.27	1.16				
Recreational Irrigation	45.57	0.12							80
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	976.64	2.68					11,246		80

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	429.31	1.18	2.96	1.57	1.42	152	7,746	66.6%	
Domestic S.S. & Small Public S.S.	215.78	0.59				152	3,893	33.4%	
Commercial-Industrial Self-supplied	297.20	0.81	1.63	1.27	1.16				
Recreational Irrigation	45.57	0.12							80
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	987.86	2.71					11,639		80

Gadsden NonASC-5 Summary

2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	423.99	1.16	2.93	1.55	1.40	149	7,773	64.3%	
Domestic S.S & Small Public S.S.	235.64	0.65				149	4,320	35.7%	
Commercial-Industrial Self-supplied	297.20	0.81	1.63	1.27	1.16				
Recreational Irrigation	45.57	0.12							80
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,002.40	2.75					12,093		80

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	418.17	1.15	2.89	1.53	1.38	147	7,812	62.0%	
Domestic S.S & Small Public S.S.	256.65	0.70				147	4,795	38.0%	
Commercial-Industrial Self-supplied	297.20	0.81	1.63	1.27	1.16				
Recreational Irrigation	45.57	0.12							80
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,017.59	2.79					12,607		80

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	412.52	1.13	2.85	1.51	1.36	144	7,869	59.7%	
Domestic S.S & Small Public S.S.	278.41	0.76				144	5,311	40.3%	
Commercial-Industrial Self-supplied	297.20	0.81	1.63	1.27	1.16				
Recreational Irrigation	45.57	0.12							80
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	N/A	N/A	N/A	N/A	N/A				N/A
Total	1,033.70	2.83					13,180		80

Gadsden NonASC-5 Summary

Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.49	1.19	1.18	1.16	1.15	1.13
Domestic S.S & Small Public S.S.	1.28	0.54	0.59	0.65	0.70	0.76
Commercial-Industrial Self-supplied	0.81	0.81	0.81	0.81	0.81	0.81
Recreational Irrigation	0.12	0.12	0.12	0.12	0.12	0.12
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	3.76	3.00	2.96	2.93	2.89	2.85
Domestic S.S & Small Public S.S.		-	-	-	-	-
Commercial-Industrial Self-supplied	1.63	1.63	1.63	1.63	1.63	1.63
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.99	1.59	1.57	1.55	1.53	1.51
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	1.27	1.27	1.27	1.27	1.27	1.27
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.80	1.44	1.42	1.40	1.38	1.36
Domestic S.S & Small Public S.S.						
Commercial-Industrial Self-supplied	1.16	1.16	1.16	1.16	1.16	1.16
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Gadsden NonASC-5 Summary

Area Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	2.51	2.52	2.52	2.52	2.52
Peak Month	1.34	1.34	1.34	1.34	1.34
Peak 3 Month	1.21	1.21	1.21	1.21	1.21

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Chattahoochee (MOD)	330.60	240.79	240.79	241.50	241.52	241.52
Havana (GEO)	211.60	194.75	188.52	182.49	176.65	171.00
Total	542.20	435.54	429.31	423.99	418.17	412.52

Note: Chattahoochee water use in 1996 was 214.90 Mgal/yr.

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Chattahoochee (MOD)	0.91	0.66	0.66	0.66	0.66	0.66
Havana (GEO)	0.58	0.53	0.52	0.50	0.48	0.47
Total	1.49	1.19	1.18	1.16	1.15	1.13

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Chattahoochee	2.63	1.36	1.24
Havana	2.37	1.31	1.16

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Chattahoochee	1.74	1.74	1.74	1.74	1.74
Havana	1.26	1.22	1.18	1.15	1.11
Total	3.00	2.96	2.93	2.89	2.85

Gadsden NonASC-5 Summary

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Chattahoochee	0.90	0.90	0.90	0.90	0.90
Havana	0.70	0.67	0.65	0.63	0.61
Total	1.59	1.57	1.55	1.53	1.51

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Chattahoochee	0.82	0.82	0.82	0.82	0.82
Havana	0.62	0.60	0.58	0.56	0.54
Total	1.44	1.42	1.40	1.38	1.36

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Gadsden NonASC-5	69%	67%	64%	62%	60%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Chattahoochee (MOD)	3,869	3,888	3,915	3,954	4,011
Havana (MOD)	3,858	3,858	3,858	3,858	3,858
Total	7,727	7,746	7,773	7,812	7,869

Total Area Population

Year	2000	2005	2010	2015	2020
Population	11,246	11,639	12,093	12,607	13,180

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Florida State Hospital (UTIL)	297.20	297.20	297.20	297.20	297.20
Total	297.20	297.20	297.20	297.20	297.20

Gadsden NonASC-5 Summary

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Florida State Hospital (UTIL)	0.81	0.81	0.81	0.81	0.81
Total	0.81	0.81	0.81	0.81	0.81

Commercial-Industrial Ratios

Ratios	Maximum Day	Peak Month	Peak 3 Month
Florida State Hospital	2.00	1.56	1.42
Total	2.00	1.56	1.42

Commercial-Industrial: Projected Max Day

Year	2000	2005	2010	2015	2020
Florida State Hospital	1.63	1.63	1.63	1.63	1.63
Total	1.63	1.63	1.63	1.63	1.63

Commercial-Industrial: Projected Peak Month

Year	2000	2005	2010	2015	2020
Florida State Hospital	1.27	1.27	1.27	1.27	1.27
Total	1.27	1.27	1.27	1.27	1.27

Commercial-Industrial: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Florida State Hospital	1.16	1.16	1.16	1.16	1.16
Total	1.16	1.16	1.16	1.16	1.16

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
Total Population	13,420	Year	Total Population	Number of Holes	Acres Irrigated	Total GC Water Use
Total Number of Holes	18	2000	11,246	18	80	45.57
Holes Per Person	0.0013413	2005	11,639	18	80	45.57
Total Number Acres Irrigated	80	2010	12,093	18	80	45.57
Inches Per Acre	21	2015	12,607	18	80	45.57
Total GC Water Use in Mgal	45.57	2020	13,180	18	80	45.57
Water Use Per Hole in Mgal	2.53					

Gadsden NonASC-5 Summary

Golf Course Name	Holes	Location
Havana Golf & Country Club	9	Havana
Seminole Vally Golf Course	9	Main St., FL State Hsptl Grnds, Chattahoochee, 32324
Total	18	

Appendix 9.

Planning Region VI

c. Individually Projected Users

County	Utility/Owner	Plant/facility	ASC	Use	Projections in Mgal/d				
					2000	2005	2010	2015	2020
Gadsden	Quincy Farms		5	C-I	0.23	0.24	0.26	0.27	0.28
Gadsden	Chattahoochee, city of			PS	0.66	0.66	0.66	0.66	0.66
Gadsden	Greensboro, town of		5	PS	0.08	0.08	0.08	0.09	0.09
Gadsden	Gretna, town of		5	PS	0.24	0.24	0.24	0.24	0.24
Gadsden	Havana, town of			PS	0.53	0.52	0.50	0.48	0.47
Gadsden	Quincy, city of		5	PS	1.40	1.43	1.47	1.51	1.55
Gadsden	Talquin Electric Coop.	Gadsden Regional	5	PS	0.76	0.91	1.06	1.22	1.37

Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 10
Water Use and Demand Projections for Planning Region VII

Appendix 10.

Planning Region VII

a. System Inventory

Utility/Owner	Plant/facility	County	ASC	1995 water use		Primary Water Source	Percent used	Secondary Water Source	Percent used
				Use	Average Day in Mgal				
Aucilla Christian School		Jefferson		C-I	0.01	Floridan aquifer	100		
Big Bend Truck Stop		Jefferson		C-I	0.02	Floridan aquifer	100		
Florida Dept. of Corrections	Jefferson Correctional	Jefferson		C-I	0.16	Floridan aquifer	100		
Florida Dept. of Transportation	I-10 Rest Area	Jefferson		C-I	0.01	Floridan aquifer	100		
Jefferson County Kennel Club		Jefferson		C-I	0.03	Floridan aquifer	100		
Jefferson County Nursing Home		Jefferson		C-I	0.01	Floridan aquifer	100		
Lloyd Water System		Jefferson		PS	0.00	Floridan aquifer	100		
Monticello, city of		Jefferson		PS	0.70	Floridan aquifer	100		
Jefferson County Country Club		Jefferson		R-I	0.03	N/A	N/A		
Tartaruga Creek Golf Club		Jefferson		R-I	0.20	Floridan aquifer	100		
Seminole Inn		Leon		C-I	0.01	Floridan aquifer	100		
U.S. Department of Justice	Federal Correctional	Leon		C-I	0.21	Floridan aquifer	100		
Tallahassee, city of	Main & Woodville	Leon		PS	25.32	Floridan aquifer	100		
Talquin Electric Coop	Bradfordville Regional	Leon		PS	0.79	Floridan aquifer	100		
Talquin Electric Coop	Lake Jackson Regional	Leon		PS	1.17	Floridan aquifer	100		
Talquin Electric Coop	Meadows at Wood Run	Leon		PS	0.32	Floridan aquifer	100		
Talquin Electric Coop	Pineridge Estates	Leon		PS	0.06	Floridan aquifer	100		
Tallahassee, City of	Hopkins Power Plant	Leon		PWR	2.64	Floridan aquifer	100		
Capital City Country Club	Capital City Golf	Leon		R-I	0.09	Floridan aquifer	100		
Cross Creek Golf Course		Leon		R-I	N/A	N/A	N/A		
Golden Eagle Country Club	Golden Eagle Golf	Leon		R-I	0.11	Unnamed pond	100		
Killearn Country Club	Killearn Golf Course	Leon		R-I	0.13	Floridan aquifer	95	Unnamed pond	5
Seminole Golf Club	Seminole Golf	Leon		R-I	0.11	N/A	N/A		
Summerbroke	Summerbroke Golf	Leon		R-I	0.11	Unnamed pond	100		
Heilman Golf Course	Tallahassee, City of	Leon		R-I	0.12	Unnamed pond	100	Floridan aquifer	SB
Gaither Golf Course	Tallahassee, City of	Leon		R-I	0.11	N/A	N/A		
Deertree Hills MHP		Leon		SPS	0.03	Floridan aquifer	100		
Lake Bradford MHP		Leon		SPS	0.03	Floridan aquifer	100		
Rowe Drilling/Utilities	Bucklake Estates	Leon		SPS	0.02	Floridan aquifer	100		
Rowe Drilling/Utilities	Brewster	Leon		SPS	0.03	Floridan aquifer	100		
Rowe Drilling/Utilities	Meadow Hills	Leon		SPS	0.04	Floridan aquifer	100		
Rowe Drilling/Utilities	North Lake Meadows	Leon		SPS	0.02	Floridan aquifer	100		
Rowe Drilling/Utilities	Plantation Estates	Leon		SPS	0.05	Floridan aquifer	100		
Rowe Drilling/Utilities	Sedgefield	Leon		SPS	0.03	Floridan aquifer	100		
Southern Bell MHP		Leon		SPS	0.02	Floridan aquifer	100		
Spencer Subdivision		Leon		SPS	0.02	Floridan aquifer	100		
Talquin Electric Coop	Annawood	Leon		SPS	0.01	Floridan aquifer	100		

Utility/Owner	Plant/facility	County	ASC	1995 water use		Primary Water Source	Percent used	Secondary Water Source	Percent used
				Use	Average Day in Mgal				
Talquin Electric Coop	Burgess Circle	Leon		SPS	0.01	Floridan aquifer	100		
Talquin Electric Coop	Kiper	Leon		SPS	0.01	Floridan aquifer	100		
Talquin Electric Coop	Heartwood Hills	Leon		SPS	0.01	Floridan aquifer	100		
Talquin Electric Coop	Leon East Regional	Leon		SPS	0.10	Floridan aquifer	100		
Talquin Electric Coop	Leon South Regional	Leon		SPS	0.07	Floridan aquifer	100		
Talquin Electric Coop	Leon West Regional	Leon		SPS	0.15	Floridan aquifer	100		
Talquin Electric Coop	Meridian Hills	Leon		SPS	0.03	Floridan aquifer	100		
Talquin Electric Coop	Stonegate	Leon		SPS	0.02	Floridan aquifer	100		
Primex Technologies	Primex Corporation	Wakulla		C-I	0.63	Floridan aquifer	N/A		
Panacea Water System		Wakulla		PS	0.23	Floridan aquifer	100		
Sopchoppy, Town of		Wakulla		PS	0.44	Floridan aquifer	100		
St. Marks, Town of		Wakulla		PS	0.10	Floridan aquifer	100		
Talquin Electric Coop	Gulf Coast	Wakulla		PS	0.28	Floridan aquifer	100		
Tallahassee, City of	Pudom Power Plant	Wakulla		PWR	69.13	St. Marks River	99.7	Floridan aquifer	0.3
Wildwood Country Club	Wildwood Golf	Wakulla		R-I	0.15	N/A	N/A		
Mysterious Water W/S		Wakulla		SPS	0.01	Floridan aquifer	100		

Data description; Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.

Appendix 10.

Planning Region VII

b. Projection summary tables

The following projections were prepared by the U. S. Geological Survey-Water Resources Division (Tallahassee, Florida, 1998) for the Northwest Florida Water Management District. These projections are for planning purposes only.

Data Sources: U.S. Geological Survey-WRD; Florida Department of Environmental Protection; Northwest Florida Water Management District; Bureau of Economic and Business Research; and individual utilities.

Footnotes and Specific Utility Projection Information:

Jefferson County

- Projections include the entire County, which includes the NFWMD portion and the SRWMD portion.

Region VII Summary

FINAL 6/15/98

1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	10,733.60	29.41	47.14	37.69	34.14	147	200,241	80.7%	
Domestic S.S. & Small Public S.S.	2,489.66	6.82				143	47,806	19.3%	
Commercial-Industrial Self-supplied	398.85	1.09	1.81	1.37	1.30				
Recreational Irrigation	452.34	1.24							758
Power Generation	26,194.65	71.77	113.28	97.57	88.24				
Agricultural	1,913.33	5.24	N/A	N/A	N/A				N/A
Total	42,182.43	115.57					248,047		758

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	12,043.30	33.00	58.22	45.87	40.82	152	217,353	79.0%	
Domestic S.S. & Small Public S.S.	3,123.59	8.56				148	57,660	21.0%	
Commercial-Industrial Self-supplied	460.15	1.26	1.82	1.38	1.35				
Recreational Irrigation	498.53	1.37							891
Power Generation	22,841.70	62.58	98.59	84.96	76.99				
Agricultural	1,848.73	5.07	N/A	9.93	8.60				1,740
Total	40,816.00	111.82					275,013		2,631

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	13,443.61	36.83	64.94	51.35	45.61	152	243,041	80.0%	
Domestic S.S. & Small Public S.S.	3,277.91	8.98				147	60,944	20.0%	
Commercial-Industrial Self-supplied	478.40	1.31	1.84	1.47	1.43				
Recreational Irrigation	539.94	1.48							972
Power Generation	22,878.20	62.68	98.73	85.09	77.12				
Agricultural	1,872.46	5.13	N/A	9.40	8.25				1,579
Total	42,490.51	116.41					303,985		2,551

Region VII Summary

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2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	14,930.80	40.91	72.08	57.14	50.70	152	268,582	80.7%	
Domestic S.S. & Small Public S.S.	3,430.37	9.40				146	64,164	19.3%	
Commercial-Industrial Self-supplied	496.65	1.36	1.84	1.52	1.48				
Recreational Irrigation	586.13	1.61							1,053
Power Generation	22,914.70	62.78	98.87	85.22	77.25				
Agricultural	2,083.06	5.71	N/A	10.64	9.29				1,805
Total	44,441.71	121.76					332,746		2,858

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	16,629.68	45.56	80.15	63.75	56.50	153	297,659	82.5%	
Domestic S.S. & Small Public S.S.	3,330.86	9.13				144	63,272	17.5%	
Commercial-Industrial Self-supplied	505.78	1.39	1.84	1.55	1.51				
Recreational Irrigation	673.74	1.85							1,215
Power Generation	23,042.45	63.13	99.35	85.68	77.70				
Agricultural	2,195.12	6.01	N/A	10.96	9.62				1,832
Total	46,377.62	127.06					360,931		3,047

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	18,432.58	50.50	88.71	70.74	62.64	154	327,305	84.3%	
Domestic S.S. & Small Public S.S.	3,131.63	8.58				141	61,000	15.7%	
Commercial-Industrial Self-supplied	514.90	1.41	1.84	1.58	1.54				
Recreational Irrigation	715.15	1.96							1,296
Power Generation	23,170.20	63.48	99.83	86.14	78.15				
Agricultural	2,363.38	6.48	N/A	11.52	10.17				1,900
Total	48,327.84	132.41					388,305		3,196

Region VII Summary

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Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	29.41	33.00	36.83	40.91	45.56	50.50
Domestic S.S. & Small Public S.S.	6.82	8.56	8.98	9.40	9.13	8.58
Commercial-Industrial Self-supplied	1.09	1.26	1.31	1.36	1.39	1.41
Recreational Irrigation	1.24	1.37	1.48	1.61	1.85	1.96
Power Generation	71.77	62.58	62.68	62.78	63.13	63.48
Agricultural	10.54	5.07	5.13	5.71	6.01	6.48

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	47.14	58.22	64.94	72.08	80.15	88.71
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	1.81	1.82	1.84	1.84	1.84	1.84
Recreational Irrigation						
Power Generation	113.28	98.59	98.73	98.87	99.35	99.83
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	37.69	45.87	51.35	57.14	63.75	70.74
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	1.37	1.38	1.47	1.52	1.55	1.58
Recreational Irrigation						
Power Generation	97.57	84.96	85.09	85.22	85.68	86.14
Agricultural	N/A	9.93	9.40	10.64	10.96	11.52

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	34.14	40.82	45.61	50.70	56.50	62.64
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	1.30	1.35	1.43	1.48	1.51	1.54
Recreational Irrigation						
Power Generation	88.24	76.99	77.12	77.25	77.70	78.15
Agricultural	N/A	8.60	8.25	9.29	9.62	10.17

Jefferson County Summary

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1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	256.40	0.70	1.14	0.83	0.76	147	4,788	35.4%	
Domestic S.S. & Small Public S.S.	467.02	1.28				147	8,721	64.6%	
Commercial-Industrial Self-supplied	84.20	0.23	0.28	0.27	0.26				
Recreational Irrigation	69.28	0.19							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,546.14	4.24	N/A	N/A	N/A				N/A
Total	2,423.04	6.64					13,509		122

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	278.43	0.76	1.35	1.01	0.91	149	5,132	37.4%	
Domestic S.S. & Small Public S.S.	465.84	1.28				149	8,586	62.6%	
Commercial-Industrial Self-supplied	84.20	0.23	0.26	0.24	0.24				
Recreational Irrigation	69.28	0.19							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,593.23	4.37	N/A	8.70	7.51				1,542
Total	2,490.98	6.82					13,718		1,664

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	300.64	0.82	1.46	1.09	0.98	143	5,773	39.7%	
Domestic S.S. & Small Public S.S.	456.23	1.25				143	8,761	60.3%	
Commercial-Industrial Self-supplied	84.20	0.23	0.28	0.27	0.26				
Recreational Irrigation	69.28	0.19							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,600.53	4.39	N/A	8.09	7.09				1,368
Total	2,510.89	6.88					14,534		1,490

Jefferson County Summary

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2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	322.86	0.88	1.57	1.17	1.06	136	6,494	42.3%	
Domestic S.S. & Small Public S.S.	440.25	1.21				136	8,855	57.7%	
Commercial-Industrial Self-supplied	84.20	0.23	0.28	0.27	0.26				
Recreational Irrigation	69.28	0.19							122
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,784.12	4.89	N/A	9.20	8.02				1,573
Total	2,700.71	7.40					15,349		1,695

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	345.07	0.95	1.67	1.25	1.13	129	7,304	45.2%	
Domestic S.S. & Small Public S.S.	418.61	1.15				129	8,861	54.8%	
Commercial-Industrial Self-supplied	84.20	0.23	0.28	0.27	0.26				
Recreational Irrigation	92.38	0.25							162
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	1,875.01	5.14	N/A	9.42	8.26				1,583
Total	2,815.27	7.71					16,165		1,745

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	367.29	1.01	1.78	1.33	1.20	122	8,216	48.4%	
Domestic S.S. & Small Public S.S.	391.79	1.07				122	8,764	51.6%	
Commercial-Industrial Self-supplied	84.20	0.23	0.28	0.27	0.26				
Recreational Irrigation	92.38	0.25							162
Power Generation	0.00	0.00	0.00	0.00	0.00				
Agricultural	2,013.34	5.52	N/A	9.84	8.68				1,628
Total	2,949.00	8.08					16,980		1,790

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Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.70	0.76	0.82	0.88	0.95	1.01
Domestic S.S. & Small Public S.S.	1.28	1.28	1.25	1.21	1.15	1.07
Commercial-Industrial Self-supplied	0.23	0.23	0.23	0.23	0.23	0.23
Recreational Irrigation	0.19	0.19	0.19	0.19	0.25	0.25
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	9.04	4.37	4.39	4.89	5.14	5.52

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.14	1.35	1.46	1.57	1.67	1.78
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.28	0.26	0.28	0.28	0.28	0.28
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.83	1.01	1.09	1.17	1.25	1.33
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.27	0.24	0.27	0.27	0.27	0.27
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	8.70	8.09	9.20	9.42	9.84

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	0.76	0.91	0.98	1.06	1.13	1.20
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.26	0.24	0.26	0.26	0.26	0.26
Recreational Irrigation						
Power Generation	0.00	0.00	0.00	0.00	0.00	0.00
Agricultural	N/A	7.51	7.09	8.02	8.26	8.68

Jefferson County Summary

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County Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.77	1.77	1.77	1.77	1.77
Peak Month	1.32	1.32	1.32	1.32	1.32
Peak 3 Month	1.20	1.20	1.20	1.20	1.20

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Monticello (GEO)	256.4	278.43	300.64	322.86	345.07	367.29

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Monticello (GEO)	0.70	0.76	0.82	0.88	0.95	1.01

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Monticello	1.77	1.32	1.20

Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Monticello	1.35	1.46	1.57	1.67	1.78

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Monticello	1.01	1.09	1.17	1.25	1.33

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Monticello	0.91	0.98	1.06	1.13	1.20

Jefferson County Summary

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Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Monticello	37.4%	39.7%	42.3%	45.2%	48.4%

Population Served by Utility

Year	2000	2005	2010	2015	2020
Monticello	5,132	5,773	6,494	7,304	8,216

Total County Population

Year	2000	2005	2010	2015	2020
Population	13,718	14,534	15,349	16,165	16,980

Self-supplied Domestic Population

Year	2000	2005	2010	2015	2020
	8,586	8,761	8,855	8,861	8,764

Self-supplied Domestic: Projected Annual Flow in Mgal/yr

Year	2000	2005	2010	2015	2020
	386.21	348.32	314.80	280.51	249.30

Self-supplied Domestic: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
	1.06	0.95	0.86	0.77	0.68

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Total	84.20	84.20	84.20	84.20	84.20

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Total	0.23	0.23	0.23	0.23	0.23

Jefferson County Summary

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Commercial-Industrial: Projected Max Day

Year	2000	2005	2010	2015	2020
Total	0.28	0.28	0.28	0.28	0.28

Commercial-Industrial: Projected Peak Month

Year	2000	2005	2010	2015	2020
Total	0.27	0.27	0.27	0.27	0.27

Commercial-Industrial: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Total	0.26	0.26	0.26	0.26	0.26

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
		Year	Total Population	Number of Holes	Acres Irrigated	Total Water Use
Total Population	13,509	2000	13,718	27	122	69.28
Total Number of Holes	27	2005	14,534	27	122	69.28
Holes Per Person	0.0019987	2010	15,349	27	122	69.28
Total Number Acres Irrigated	122	2015	16,165	36	162	92.38
Inches Per Acre	21	2020	16,980	36	162	92.38
Total Water Use in Mgal	69.28					
Water Use Per Hole in Mgal	2.57					

Golf Course Name	Holes	Location
Jefferson County Country Club	9	SR #149, Monticello, 32344
Tartaruga Creek Golf Club	18	
Total	27	

Leon County Summary

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1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	10,094.80	27.66	43.89	35.43	32.03	148	186,440	85.7%	
Domestic S.S. & Small Public S.S.	1,683.53	4.61				148	31,093	14.3%	
Commercial-Industrial Self-supplied	83.95	0.23	0.26	0.25	0.24				
Recreational Irrigation	346.42	0.95							555
Power Generation	962.20	2.64	3.71	3.56	3.42				
Agricultural	367.19	1.01	N/A	N/A	N/A				N/A
Total	13,538.09	37.09					217,533		555

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	11,281.42	30.91	54.03	43.01	38.16	153	202,032	83.7%	
Domestic S.S. & Small Public S.S.	2,191.15	6.00				153	39,240	16.3%	
Commercial-Industrial Self-supplied	83.95	0.23	0.26	0.25	0.24				
Recreational Irrigation	392.61	1.08							689
Power Generation	1,058.50	2.90	3.99	3.80	3.76				
Agricultural	255.50	0.70	N/A	1.23	1.09				198
Total	15,263.13	41.82					241,272		887

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	12,565.86	34.43	60.09	48.05	42.54	153	225,270	84.7%	
Domestic S.S. & Small Public S.S.	2,263.08	6.20				153	40,571	15.3%	
Commercial-Industrial Self-supplied	83.95	0.23	0.26	0.25	0.24				
Recreational Irrigation	415.70	1.14							729
Power Generation	1,095.00	3.00	4.13	3.93	3.89				
Agricultural	271.93	0.75	N/A	1.31	1.16				211
Total	16,695.52	45.74					265,840		940

Leon County Summary

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2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	13,937.53	38.19	66.57	53.41	47.22	154	248,008	85.7%	
Domestic S.S. & Small Public S.S.	2,334.85	6.40				154	41,547	14.3%	
Commercial-Industrial Self-supplied	83.95	0.23	0.26	0.25	0.24				
Recreational Irrigation	461.89	1.27							810
Power Generation	1,131.50	3.10	4.27	4.06	4.02				
Agricultural	298.94	0.82	N/A	1.44	1.27				232
Total	18,248.66	50.00					289,555		1,042

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	15,522.36	42.53	73.98	59.58	52.61	155	273,832	87.8%	
Domestic S.S. & Small Public S.S.	2,159.87	5.92				155	38,103	12.2%	
Commercial-Industrial Self-supplied	83.95	0.23	0.26	0.25	0.24				
Recreational Irrigation	508.08	1.39							891
Power Generation	1,259.25	3.45	4.75	4.52	4.47				
Agricultural	320.11	0.88	N/A	1.54	1.36				249
Total	19,853.61	54.39					311,934		1,140

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	17,211.58	47.16	81.89	66.15	58.35	157	299,654	90.1%	
Domestic S.S. & Small Public S.S.	1,892.93	5.19				157	32,956	9.9%	
Commercial-Industrial Self-supplied	83.95	0.23	0.26	0.25	0.24				
Recreational Irrigation	531.17	1.46							932
Power Generation	1,387.00	3.80	5.23	4.98	4.92				
Agricultural	350.04	0.96	N/A	1.68	1.49				272
Total	21,456.67	58.79					332,610		1,204

Leon County Summary

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Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	27.66	30.91	34.43	38.19	42.53	47.16
Domestic S.S. & Small Public S.S.	4.61	6.00	6.20	6.40	5.92	5.19
Commercial-Industrial Self-supplied	0.23	0.23	0.23	0.23	0.23	0.23
Recreational Irrigation	0.95	1.08	1.14	1.27	1.39	1.46
Power Generation	2.64	2.90	3.00	3.10	3.45	3.80
Agricultural	1.08	0.70	0.75	0.82	0.88	0.96

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	43.89	54.03	60.09	66.57	73.98	81.89
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.26	0.26	0.26	0.26	0.26	0.26
Recreational Irrigation						
Power Generation	3.71	3.99	4.13	4.27	4.75	5.23
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	35.43	43.01	48.05	53.41	59.58	66.15
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.25	0.25	0.25	0.25	0.25	0.25
Recreational Irrigation						
Power Generation	3.56	3.80	3.93	4.06	4.52	4.98
Agricultural	N/A	1.23	1.31	1.44	1.54	1.68

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	32.03	38.16	42.54	47.22	52.61	58.35
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.24	0.24	0.24	0.24	0.24	0.24
Recreational Irrigation						
Power Generation	3.42	3.76	3.89	4.02	4.47	4.92
Agricultural	N/A	1.09	1.16	1.27	1.36	1.49

Leon County Summary

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County Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	1.75	1.75	1.74	1.74	1.74
Peak Month	1.39	1.40	1.40	1.40	1.40
Peak 3 Month	1.23	1.24	1.24	1.24	1.24

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
City of Tallahassee (GEO)	9243.00	9,994.07	10,926.28	11,945.72	13,059.70	14,278.07
Bradfordville Regional (LIN)	289.00	397.12	508.45	620.14	731.46	843.15
Meadows At Woodrun (LIN)	116.30	142.72	175.20	207.32	239.81	271.93
Pine Ridge Estates (UTIL)	20.70	254.77	395.30	535.82	794.97	1,054.12
Lake Jackson Area W/S (LIN)	425.80	492.75	560.64	628.53	696.42	764.31
Total	10,094.80	11,281.42	12,565.86	13,937.53	15,522.36	17,211.58

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
City of Tallahassee (GEO)	25.32	27.38	29.94	32.73	35.78	39.12
Bradfordville Regional (LIN)	0.79	1.09	1.39	1.70	2.00	2.31
Meadows At Woodrun (LIN)	0.32	0.39	0.48	0.57	0.66	0.75
Pine Ridge Estates (UTIL)	0.06	0.70	1.08	1.47	2.18	2.89
Lake Jackson Area W/S (LIN)	1.17	1.35	1.54	1.72	1.91	2.09
Total	27.66	30.91	34.43	38.19	42.53	47.16

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
City of Tallahassee (GEO)	1.76	1.36	1.22
Bradfordville Regional (LIN)	1.78	1.96	1.38
Meadows At Woodrun (LIN)	1.78	1.49	1.26
Pine Ridge Estates (UTIL)	1.46	1.42	1.23
Lake Jackson Area W/S (LIN)	1.62	1.49	1.33

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Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
City of Tallahassee (GEO)	48.19	52.69	57.60	62.97	68.85
Bradfordville Regional (LIN)	1.94	2.48	3.02	3.57	4.11
Meadows At Woodrun (LIN)	0.70	0.85	1.01	1.17	1.33
Pine Ridge Estates (UTIL)	1.02	1.58	2.14	3.18	4.22
Lake Jackson Area W/S (LIN)	2.19	2.49	2.79	3.09	3.39
Total	54.03	60.09	66.57	73.98	81.89

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
City of Tallahassee (GEO)	37.29	40.77	44.58	48.73	53.28
Bradfordville Regional (LIN)	2.13	2.73	3.33	3.92	4.52
Meadows At Woodrun (LIN)	0.58	0.71	0.85	0.98	1.11
Pine Ridge Estates (UTIL)	0.99	1.54	2.09	3.10	4.11
Lake Jackson Area W/S (LIN)	2.02	2.29	2.57	2.85	3.13
Total	43.01	48.05	53.41	59.58	66.15

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
City of Tallahassee (GEO)	33.51	36.64	40.06	43.79	47.88
Bradfordville Regional (LIN)	1.51	1.93	2.35	2.77	3.20
Meadows At Woodrun (LIN)	0.49	0.60	0.72	0.83	0.94
Pine Ridge Estates (UTIL)	0.86	1.33	1.81	2.68	3.56
Lake Jackson Area W/S (LIN)	1.79	2.04	2.28	2.53	2.78
Total	38.16	42.54	47.22	52.61	58.35

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Leon County	84%	85%	86%	88%	90%

Leon County Summary

Population Served by Utility

Supplier	1995	2000	2005	2010	2015	2020
City of Tallahassee (GEO)	165773	176,665	193,618	210,571	227,524	244,476
Bradfordville Regional (LIN)	4280	5,619	6,383	6,665	6,759	6,788
Meadows At Woodrun (LIN)	2205	2,893	3,743	4,714	5,826	7,098
Pine Ridge Estates (UTIL)	5347	6,974	10,827	14,679	21,778	28,876
Lake Jackson Area W/S (LIN)	8835	9,881	10,699	11,379	11,945	12,416
Total	186,440	202,032	225,270	248,008	273,832	299,654

Total County Population

Year	2000	2005	2010	2015	2020
Population	241,272	265,840	289,555	311,934	332,610

Self-supplied Domestic Population

Year	2000	2005	2010	2015	2020
	39,240	40,571	41,547	38,103	32,956

Self-supplied Domestic: Projected Annual Flow in Mgal/yr

Year	2000	2005	2010	2015	2020
	2,191.15	2,263.08	2,334.85	2,159.87	1,892.93

Self-supplied Domestic: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
	6.00	6.20	6.40	5.92	5.19

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Total	83.95	83.95	83.95	83.95	83.95

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Total	0.23	0.23	0.23	0.23	0.23

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Commercial-Industrial: Projected Max Day

Year	2000	2005	2010	2015	2020
Total	0.26	0.26	0.26	0.26	0.26

Commercial-Industrial: Projected Peak Month

Year	2000	2005	2010	2015	2020
Total	0.25	0.25	0.25	0.25	0.25

Commercial-Industrial: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Total	0.24	0.24	0.24	0.24	0.24

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
		Year	Total Population	Number of Holes	Acres Irrigated	Total Water Use
Total Population	217,533	2000	241,272	153	689	392.61
Total Number of Holes	135	2005	265,840	162	729	415.70
Holes Per Person	0.0006206	2010	289,555	180	810	461.89
Total Number Acres Irrigated	608	2015	311,934	198	891	508.08
Inches Per Acre	21	2020	332,610	207	932	531.17
Total Water Use in Mgal	346.42					
Water Use Per Hole in Mgal	2.57					

Golf Course Name Holes Location

Capital City Golf & Country Clu	18	Golf Terrace Drive, Tallahassee, 32301
Cross Creek GC	9	Tallahassee
Gaither Park GC	9	Tallahassee
Golden Eagle Golf & Country C	18	Golden Eagle Dr., Tallahassee, 32312
Hilaman Park Golf Club	18	Myer Park Drive, Tallahassee
Killlearn Golf & CC (1)	18	100 Tyron Circle, Tallahassee, 32308
Killlearn Golf & CC (2)	9	100 Tyron Circle, Tallahassee, 32308
Seminole Golf Club	18	2550 Pottsdamer Street, Tallahassee, 32304
Summerbrooke Golf & CC	18	Summerbrooke Drive, Tallahassee, 32312

Total 135

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Power Generation: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Total	1058.50	1095.00	1131.50	1259.25	1387.00

Power Generation: Projected Average Daily Flow (Mgal/d)

Year	2000	2005	2010	2015	2020
Total	2.90	3.00	3.10	3.45	3.80

Power Generation: Ratios

	Maximum Day	Peak Month	Peak 3 Month
	1.38	1.31	1.30

Power Generation: Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Total	3.99	4.13	4.27	4.75	5.23

Power Generation: Projected Peak Month

Year	2000	2005	2010	2015	2020
Total	3.80	3.93	4.06	4.52	4.98

Power Generation: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Total	3.76	3.89	4.02	4.47	4.92

Wakulla County Summary

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1995 Water Use Estimate

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	382.40	1.05	2.11	1.43	1.35	116	9,013	53.0%	
Domestic S.S. & Small Public S.S.	339.11	0.93				116	7,992	47.0%	
Commercial-Industrial Self-supplied	230.70	0.63	1.27	0.85	0.80				
Recreational Irrigation	36.64	0.10							81
Power Generation	25,232.45	69.13	109.57	94.01	84.82				
Agricultural	0.00	0.00	N/A	N/A	N/A				N/A
Total	26,221.30	71.84					17,005		81

2000 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	483.45	1.32	2.84	1.85	1.75	130	10,189	50.9%	
Domestic S.S. & Small Public S.S.	466.60	1.28				130	9,834	49.1%	
Commercial-Industrial Self-supplied	292.00	0.80	1.30	0.89	0.87				
Recreational Irrigation	36.64	0.10							81
Power Generation	21,783.20	59.68	94.60	81.16	73.23				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	23,061.89	63.18					20,023		81

2005 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	577.11	1.58	3.39	2.21	2.09	132	11,998	50.8%	
Domestic S.S. & Small Public S.S.	558.59	1.53				132	11,613	49.2%	
Commercial-Industrial Self-supplied	310.25	0.85	1.30	0.95	0.93				
Recreational Irrigation	54.96	0.15							122
Power Generation	21,783.20	59.68	94.60	81.16	73.23				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	23,284.11	63.79					23,611		122

Wakulla County Summary

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2010 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	670.41	1.84	3.95	2.57	2.43	130	14,080	50.6%	
Domestic S.S. & Small Public S.S.	655.27	1.80				130	13,762	49.4%	
Commercial-Industrial Self-supplied	328.50	0.90	1.30	1.00	0.98				
Recreational Irrigation	54.96	0.15							122
Power Generation	21,783.20	59.68	94.60	81.16	73.23				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	23,492.34	64.36					27,842		122

2015 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	762.25	2.09	4.49	2.92	2.76	126	16,523	50.3%	
Domestic S.S. & Small Public S.S.	752.38	2.06				126	16,309	49.7%	
Commercial-Industrial Self-supplied	337.63	0.93	1.30	1.03	1.01				
Recreational Irrigation	73.28	0.20							162
Power Generation	21,783.20	59.68	94.60	81.16	73.23				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	23,708.74	64.96					32,832		162

2020 Water Use Projection

Use Category	Total Flow in Mgal	Average Daily Flow in Mgal/d	Maximum Daily Flow in Mgal/d	Peak Month in Mgal/d	Peak 3 Month in Mgal/d	Per Capita in gal/d	Population Served	Percent Population Served	Total Acres Irrigated
Public Supply	853.72	2.34	5.04	3.27	3.09	120	19,435	50.2%	
Domestic S.S. & Small Public S.S.	846.91	2.32				120	19,280	49.8%	
Commercial-Industrial Self-supplied	346.75	0.95	1.30	1.06	1.04				
Recreational Irrigation	91.60	0.25							203
Power Generation	21,783.20	59.68	94.60	81.16	73.23				
Agricultural	0.00	0.00	N/A	0.00	0.00				0
Total	23,922.17	65.54					38,715		203

Wakulla County Summary

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Average Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.05	1.32	1.58	1.84	2.09	2.34
Domestic S.S. & Small Public S.S.	0.93	1.28	1.53	1.80	2.06	2.32
Commercial-Industrial Self-supplied	0.63	0.80	0.85	0.90	0.93	0.95
Recreational Irrigation	0.10	0.10	0.15	0.15	0.20	0.25
Power Generation	69.13	59.68	59.68	59.68	59.68	59.68
Agricultural	0.42	-	-	-	-	-

Maximum Daily Flow in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	2.11	2.84	3.39	3.95	4.49	5.04
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	1.27	1.30	1.30	1.30	1.30	1.30
Recreational Irrigation						
Power Generation	109.57	94.60	94.60	94.60	94.60	94.60
Agricultural	N/A	N/A	N/A	N/A	N/A	N/A

Peak Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.43	1.85	2.21	2.57	2.92	3.27
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.85	0.89	0.95	1.00	1.03	1.06
Recreational Irrigation						
Power Generation	94.01	81.16	81.16	81.16	81.16	81.16
Agricultural	N/A	-	-	-	-	-

Peak Three Month in Mgal/d

Use Category	1995	2000	2005	2010	2015	2020
Public Supply	1.35	1.75	2.09	2.43	2.76	3.09
Domestic S.S. & Small Public S.S.						
Commercial-Industrial Self-supplied	0.80	0.87	0.93	0.98	1.01	1.04
Recreational Irrigation						
Power Generation	84.82	73.23	73.23	73.23	73.23	73.23
Agricultural	N/A	-	-	-	-	-

Wakulla County Summary

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County Ratios

Year	2000	2005	2010	2015	2020
Maximum Daily Flow	2.14	2.15	2.15	2.15	2.15
Peak Month	1.40	1.40	1.40	1.40	1.40
Peak 3 Month	1.32	1.32	1.32	1.32	1.32

Public Supply: Projected Annual Flow in Mgal/yr

Year	1995	2000	2005	2010	2015	2020
Gulf Coast W/S (LIN)	102.30	163.52	202.94	242.36	281.78	321.20
Panacea Area W/S (MOD EXP)	83.50	88.33	92.35	95.63	97.82	99.28
Saint Marks (LIN)	37.00	49.46	61.73	74.00	86.27	98.53
Sopchoppy (LIN)	159.60	182.14	220.10	258.42	296.38	334.71
Total	382.40	483.45	577.11	670.41	762.25	853.72

Public Supply: Projected Average Daily Flow in Mgal/d

Year	1995	2000	2005	2010	2015	2020
Gulf Coast W/S (LIN)	0.28	0.45	0.56	0.66	0.77	0.88
Panacea Area W/S (MOD EXP)	0.23	0.24	0.25	0.26	0.27	0.27
Saint Marks (LIN)	0.10	0.14	0.17	0.20	0.24	0.27
Sopchoppy (LIN)	0.44	0.50	0.60	0.71	0.81	0.92
Total	1.05	1.32	1.58	1.84	2.09	2.34

Public Supply Ratios

	Maximum Day	Peak Month	Peak 3 Month
Gulf Coast W/S (LIN)	2.36	1.43	1.43
Panacea Area W/S (MOD EXP)	2.04	1.39	1.27
Saint Marks (GEO)	1.95	1.21	1.10
Sopchoppy (LIN)	2.05	1.43	1.30

Wakulla County Summary

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Public Supply: Projected Maximum Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Gulf Coast W/S (LIN)	1.06	1.31	1.57	1.82	2.08
Panacea Area W/S (MOD EXP)	0.49	0.52	0.53	0.55	0.55
Saint Marks (GEO)	0.26	0.33	0.40	0.46	0.53
Sopchoppy (LIN)	1.02	1.24	1.45	1.66	1.88
Total	2.84	3.39	3.95	4.49	5.04

Public Supply: Projected Peak Month in Mgal/d

Year	2000	2005	2010	2015	2020
Gulf Coast W/S (LIN)	0.64	0.79	0.95	1.10	1.25
Panacea Area W/S (MOD EXP)	0.34	0.35	0.36	0.37	0.38
Saint Marks (GEO)	0.16	0.20	0.25	0.29	0.33
Sopchoppy (LIN)	0.71	0.86	1.01	1.16	1.31
Total	1.85	2.21	2.57	2.92	3.27

Public Supply: Projected Peak 3 Month in Mgal/d

Year	2000	2005	2010	2015	2020
Gulf Coast W/S (LIN)	0.64	0.79	0.95	1.10	1.26
Panacea Area W/S (MOD EXP)	0.31	0.32	0.33	0.34	0.35
Saint Marks (GEO)	0.15	0.19	0.22	0.26	0.30
Sopchoppy (LIN)	0.65	0.79	0.92	1.06	1.19
Total	1.75	2.09	2.43	2.76	3.09

Percent Served by Public Supply

Year	2000	2005	2010	2015	2020
Wakulla County	51%	51%	51%	50%	50%

Population Served by Utility

Supplier	2000	2005	2010	2015	2020
Gulf Coast W/S (LIN)	3,529	4,548	5,860	7,552	9,733
Panacea Area W/S (MOD EXP)	2,558	2,722	2,865	2,987	3,089
Saint Marks (GEO)	548	571	595	621	647
Sopchoppy (LIN)	3,554	4,157	4,760	5,363	5,966
Total	10,189	11,998	14,080	16,523	19,435

Wakulla County Summary

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Total County Population

Year	2000	2005	2010	2015	2020
Total	20,023	23,611	27,842	32,832	38,715

Self-supplied Domestic Population

Year	2000	2005	2010	2015	2020
Total	9,834	11,613	13,762	16,309	19,280

Self-supplied Domestic: Projected Annual Flow in Mgal/yr

Year	2000	2005	2010	2015	2020
Total	466.60	558.59	655.27	752.38	346.75

Self-supplied Domestic: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Total	1.28	1.53	1.80	2.06	0.95

Commercial-Industrial: Projected Total Annual Flow

Year	2000	2005	2010	2015	2020
Primex	292.00	310.25	328.50	337.63	346.75

Commercial-Industrial: Projected Average Daily Flow in Mgal/d

Year	2000	2005	2010	2015	2020
Primex	0.80	0.85	0.90	0.93	0.95

Commercial-Industrial: Projected Max Day

Year	2000	2005	2010	2015	2020
Primex	1.30	1.30	1.30	1.30	1.30

Wakulla County Summary

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Commercial-Industrial: Projected Peak Month

Year	2000	2005	2010	2015	2020
Primex	0.89	0.95	1.00	1.03	1.06

Commercial-Industrial: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Primex	0.87	0.93	0.98	1.01	1.04

Golf Course Projections

Base Year: 1995		Projected: 2000-2020 Water Use in Mgal				
Total Population	17,005	Year	Total Population	Number of Holes	Acres Irrigated	Total Water Use
Total Number of Holes	18	2000	20,023	18	81	36.64
Holes Per Person	0.0010585	2005	23,611	27	122	54.96
Total Number Acres Irrigated	81	2010	27,842	27	122	54.96
Inches Per Acre	21	2015	32,832	36	162	73.28
Total Water Use in Mgal	36.64	2020	38,715	45	203	91.60
Water Use Per Hole in Mgal	2.04					

Golf Course Name Holes Location

Wildwood Country Club	18	
Total	18	

Power Generation: Projected Annual Flow

Year	2000	2005	2010	2015	2020
Total	21,783.2	21,783.2	21,783.2	21,783.2	21,783.2

Power Generation: Projected Average Daily Flow (Mgal/d)

Year	2000	2005	2010	2015	2020
Total	59.68	59.68	59.68	59.68	59.68

Power Generation: Projected Max Day

Year	2000	2005	2010	2015	2020
Total	94.60	94.60	94.60	94.60	94.60

Wakulla County Summary

Power Generation: Projected Peak Month

Year	2000	2005	2010	2015	2020
Total	81.16	81.16	81.16	81.16	81.16

Power Generation: Projected 3 Month Peak

Year	2000	2005	2010	2015	2020
Total	73.23	73.23	73.23	73.23	73.23

Appendix 10.

Planning Region VII

c. Individually Projected Users

County	Utility/Owner	Plant/facility	ASC	Use	Projections in Mgal/d				
					2000	2005	2010	2015	2020
Jefferson	Monticello, city of			PS	0.76	0.82	0.88	0.95	1.01
Leon	Tallahassee, city of	Main & Woodville		PS	27.38	29.94	32.73	35.78	39.12
Leon	Talquin Electric Coop	Bradfordville Regional		PS	1.09	1.39	1.70	2.00	2.31
Leon	Talquin Electric Coop	Lake Jackson Regional		PS	1.35	1.54	1.72	1.91	2.09
Leon	Talquin Electric Coop	Meadows at Wood Run		PS	0.39	0.48	0.57	0.66	0.75
Leon	Talquin Electric Coop	Pineridge Estates		PS	0.70	1.08	1.47	2.18	2.89
Leon	Tallahassee, City of	Hopkins Power Plant		PWR	2.90	3.00	3.10	3.45	3.80
Wakulla	Primex Technologies	Primex Corporation		C-I	0.80	0.85	0.90	0.93	0.95
Wakulla	Panacea Water System			PS	0.24	0.25	0.26	0.27	0.27
Wakulla	Sopchoppy, Town of			PS	0.50	0.60	0.71	0.81	0.92
Wakulla	St. Marks, Town of			PS	0.14	0.17	0.20	0.24	0.27
Wakulla	Talquin Electric Coop	Gulf Coast		PS	0.45	0.56	0.66	0.77	0.88
Wakulla	Tallahassee, City of	Pudom Power Plant		PWR	59.68	59.68	59.68	59.68	59.68

Use type; C-I, Commercial; Ind., Industrial; PWR, Power generation; PS, Public supply; SPS, Small public supply; R-I, Recreational irrigation. Other abbreviations; ASC, Area of Special Concern; SB, Stand by use.