APPENDIX O

Public Water Supply Memorandum

RES 17-10

M E M O R A N D U M

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FROM: Lehar M. Brion, Lead Engineer, HSM, WSD
Jenifer A. Barnes, Staff Hydrogeologist, HSM, WSD

DATE: July 9, 2002

SUBJECT: Extension of Public Water Supply Data for the South Florida Water Management Model v5.0 Calibration/Verification

Introduction

This memorandum documents the most recent update to the SFWMM public water supply (PWS) pumpage input file. The update extends the previous data set (1979-1995) to five additional years (1996-2000). The data extension is a requirement for the current SFWMM calibration/verification effort, which, in turn, is a necessary prerequisite to establishing the SFWMM 2000 base condition for the Comprehensive Everglades Restoration Plan (CERP). This memorandum describes the data sources and procedures used to transform raw data into input data file directly readable by the SFWMM.

Data Sources

The primary source of data (1996-2000) is a CD (dated 8/9/2001) from A. Marella of the USGS-WRD. The CD, which was obtained through Dr. Richard March of WSPD, contains several years of historical water use data for fifteen South Florida counties. The data represents reported monthly pumpages from the different water utilities and were processed/summarized in Excel spreadsheets (one worksheet per year, one folder per county). Data stored in the CD starts as early as 1975 and extends up to 1999. Information related to Palm Beach, Broward and Miami-Dade counties for calendar years 1996 through 1999 are pertinent to the current SFWMM calibration/verification process. Appendices A, B and C are printouts of the monthly public supply water use in Palm Beach, Broward and Miami-Dade counties, respectively, for calendar years 1996-1999. Groundwater sources were used in the final determination of pumpage input data for the model. Utility-reported pumpage for the last year of simulation, 2000, was obtained from the Water Use Department through Kurt Leckler. It was sent last 11/02/01 as an email attachment and was also in

spreadsheet format. Appendices D, E and F are printouts of the 2000 public water supply pumpage for Palm Beach, Broward and Miami-Dade counties, respectively. Raw total monthly pumpages were used in the final determination of pumpage input data for the model.

Methodology

Prior to the current PWS update, 17 years (1979-1995) of historical pumpage data was used for the SFWMM v3.5 calibration/verification (Brion, 1999). In order to establish the latest version of the SFWMM (v5.0) and the SFWMM base condition, the calibration/verification was extended to include 5 additional years: 1996-2000.

Initially, an effort was made to screen out raw data such that data pertinent only to the study area (eastern Palm Beach, Broward and Miami-Dade counties) and corresponding to latter five years of the model calibration /verification (1996-2000) were included.

Some permits were excluded during certain years due to several reasons:

1) They might have already expired.
2) They were considered significantly small relative to the 2mile-by-2mile resolution of the model.
3) They refer to surface water withdrawals.

Likewise, some permits were combined with others as a result of permit re-applications sometime during the 1996-2000 period of record.

The above refinements for processing pumpage data vary from year to year and are summarized below.

1996:

- Permits 50-00131 (City of South Bay Water Treatment Plant), 50-00267, 50-00454 (City of Belle Glade Raw Water Supply) and 50-00473 (City of Pahokee Public Water Supply) were excluded because they are located within the Lake Okeechobee Service Area and/or their source of water is Lake Okeechobee. The model's PWS input data only applies to the region of Palm Beach county east of LOSA and withdrawals from the surficial aquifer, not from any other sources.
- Permits 50-00511 and 50-00713 were combined with permits 50-00401 and 50-00460, respectively.
- Permits 50-03140 and 13-00642 were excluded from the 1996 data set because they are significantly small relative to the other permits.
- Permit 06-01474 (Broward county South Regional Wellfield at Picolo Park) was combined with 06-00145 (District 3A of Broward County Water and Sewer).

1997:

- Permits 50-00131 (City of South Bay Water Treatment Plant), 50-00267, 50-00454 (City of Belle Glade Raw Water Supply) and 50-00473 (City of Pahokee Public Water Supply) were excluded because they are located within the Lake Okeechobee Service Area and/or their source of water is Lake Okeechobee. The model's PWS input data only applies to the region of Palm Beach county

east of LOSA and withdrawals from the surficial aquifer, not from any other sources.
- Permit 50-00511 was combined with permit 50-00401.
- Permit 50-03146 was excluded in the 1997 data set because it is significantly small relative to the other permits.

1998:
- Permit 50-00511 was combined with permit 50-00401.
- Permit 50-00498 was combined and /or renamed to 50-00499.
- Permit 06-01474 (Broward county South Regional Wellfield at Picolo Park) was combined with 06-00145 (District 3A of Broward County Water and Sewer).
- Permit 06-00044 (Plantation East) was combined and/or renamed to 06-00103 (West Plantation).
- Permit 13-00018 (Hialeah and Preston WTP) was combined with permit no. 13-00037.
- Permits 13-00041 (Naranja WTP), 13-00042 (Newton WTP), 13-00043 (Redavo WTP) and 13-00044 (Water Tank WTP) were combined into one permit no.: 13-00040.

1999:
- Permits 50-00131 (City of South Bay Water Treatment Plant), 50-00454 (City of Belle Glade Raw Water Supply) and 50-00473 (City of Pahokee Public Water Supply) were excluded because they are located within the Lake Okeechobee Service Area and/or their source of water is Lake Okeechobee. The model's PWS input data only applies to the region of Palm Beach county east of LOSA and withdrawals from the surficial aquifer, not from any other sources.
- Permit 06-01474 (Broward county South Regional Wellfield at Picolo Park) was combined with 06-00145 (District 3A of Broward County Water and Sewer).

2000:
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- Permit 06-01474 (Broward county South Regional Wellfield at Picolo Park) was combined with 06-00145 (District 3A of Broward County Water and Sewer).

Next, a Fortran program (welldat_95_50.f), originally written by J. Giddings, was used to transform pumpages expressed in terms of permit numbers to pumpages assigned to SFWMM grid cells. The program has two basic inputs: wellfield pumpage file which shows monthly pumpages sorted by permit number and well distribution file which specifies the SFWMM grid cell assignment for each well that comprises each public water supply permit.

Five wellfield pumpage files were set up corresponding to each of the calendar years 1996 through 2000. Each file contains permit numbers, total pumpage for the year, and 12 monthly distribution factors. The wellfield pumpage files are essentially translations of the raw pumpage data obtained from the public utilities after some initial data screening/refinements as discussed above. The well distribution file was obtained from J. Giddings and is reproduced in Appendix G.

The information provided by a unique combination of a wellfield pumpage file and the well distribution file into the Fortran program (Appendix H) produces an output file that contains monthly pumpage values assigned to appropriate model grid cells for a particular calendar year. The program was run five times, once for each of the calendar years 1996 through 2000, and the corresponding five output files were concatenated to produce a composite 1996-2000 SFWMM public water supply pumpage input file.

Discussion

The pumpage data processed for this effort extended the historical data set for SFWMM. A list of the total pumpages for all LEC service areas for the entire calibration/verification period is given in Table 1.

Table 1. Average Daily Withdrawal (in MGD) from LEC Surficial Aquifer for Public Water Supply in Eastern Palm Beach, Broward and Miami-Dade Counties

Year	Pumpage	Year	Pumpage	Year	Pumpage
1979	607	1987	735	1995	782
1980	607	1988	751	1996	810
1981	624	1989	774	1997	799
1982	614	1990	676	1998	832
1983	604	1991	728	1999	841
1984	639	1992	770	2000	874
1985	674	1993	782		
1986	686	1994	780		

In general, there is a steady increase in public water supply pumpages through the years of calibration/verification (period-of-record 1979-2000). The occasional down trends occur immediately after the dry years, e.g. 1981 and 1989. The 1979-1995 average is 696 MGD while the 1996-2000 average is 831 MGD. On an annual average basis, the distributions of pumpages for all service areas for the former (1979-1995) and the latter (1996-2000) years are shown in Figures 1 and 2. Figure 3 shows the difference between the two periods of record while Figure 4 show the annual average pumpage for the entire (1979-2000) period of record. With the exception of the extreme values, the color schemes used in all figures were selected such that the averages of the corresponding value ranges approximately represent the average value of all grid cells assigned to each color code. Some of the statistics summarizing the information shown in Figures 1 through 4 are given in Table 2.

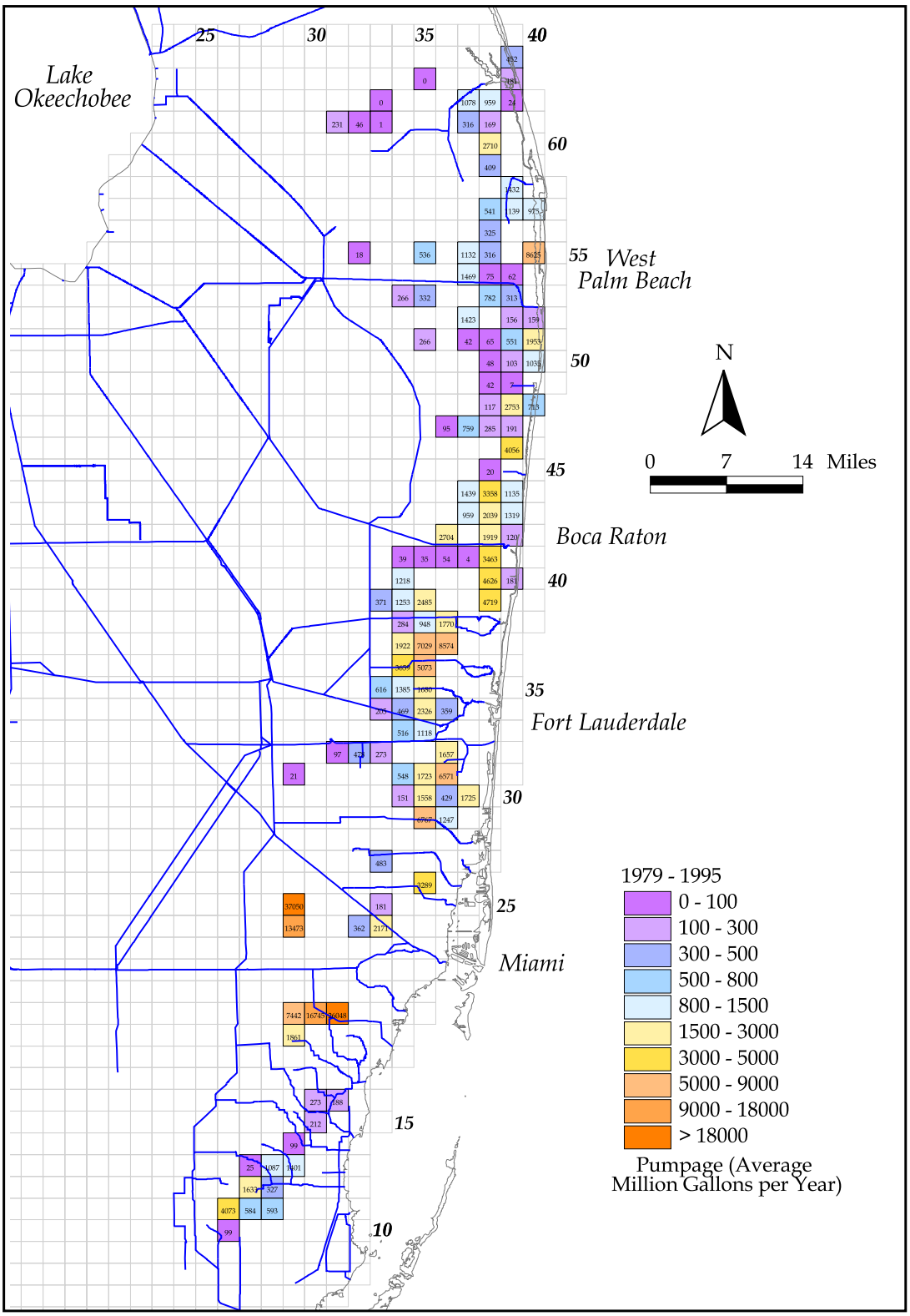

Figure 1. Distribution of Annual Average Public Water Supply Pumpage (1979-1995) in the Lower East Coast Based on the South Florida Water Management Model Grid Network

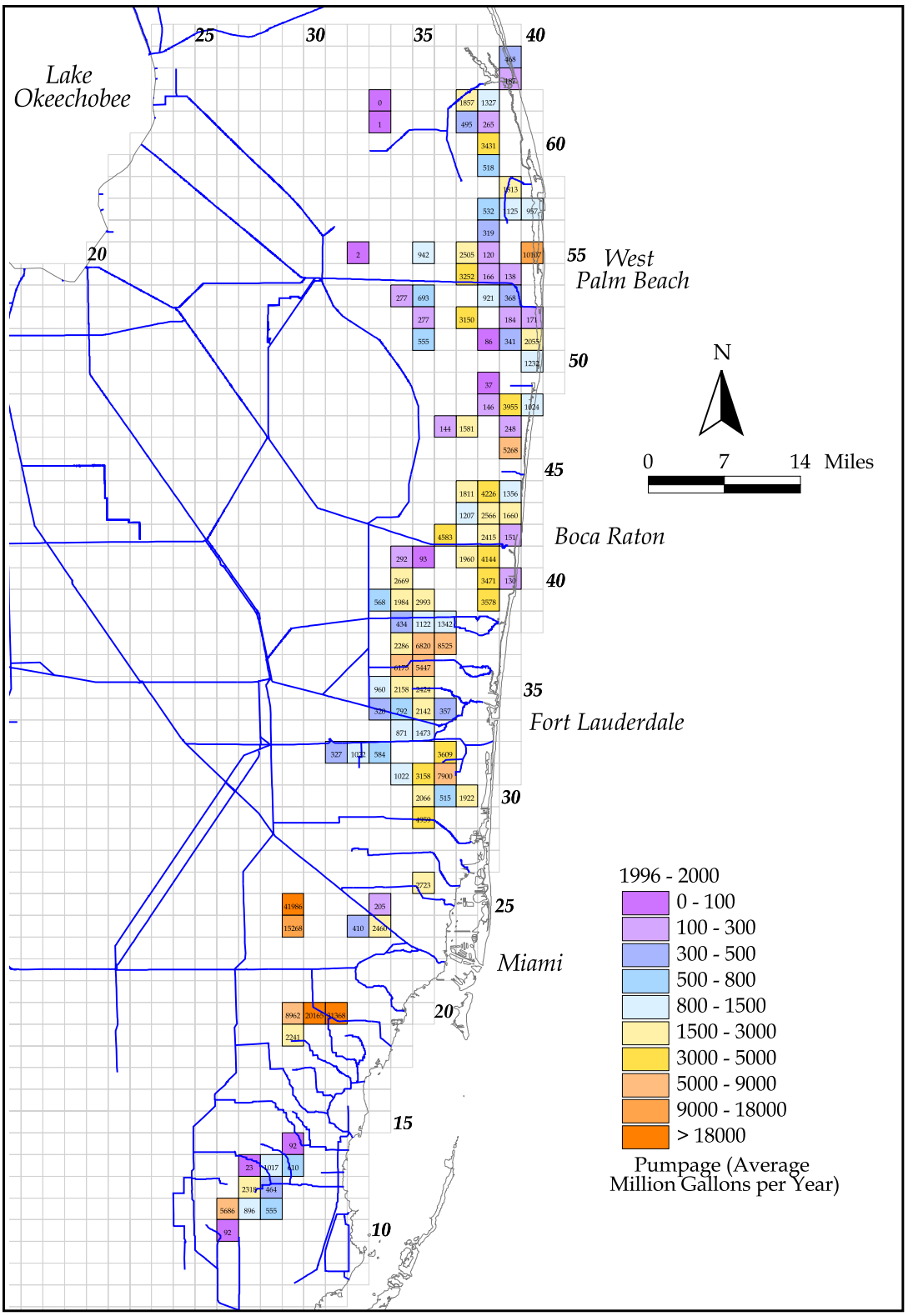

Figure 2. Distribution of Annual Average Public Water Supply Pumpage (1996-2000) in the Lower East Coast Based on the South Florida Water Management Model Grid Network

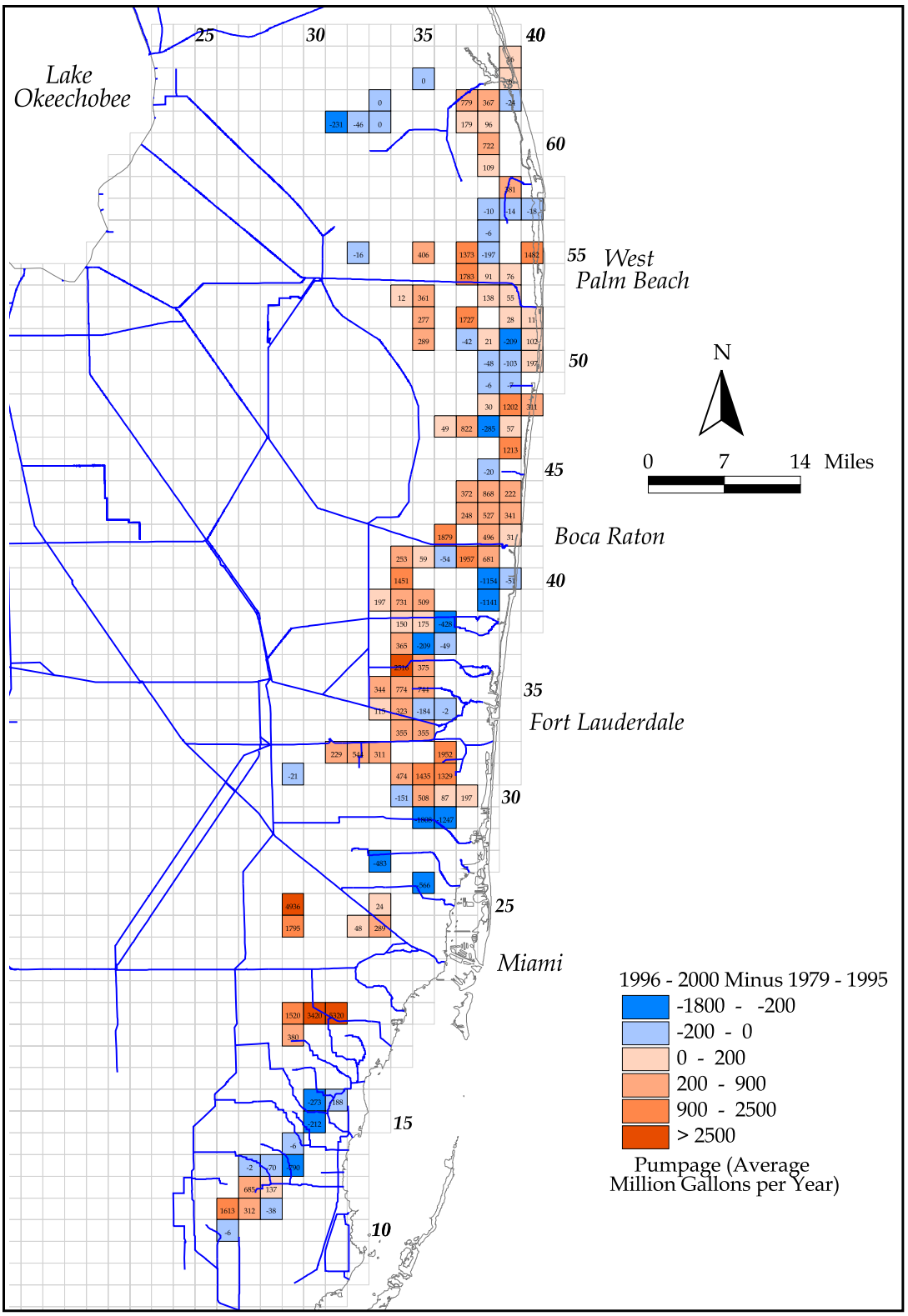

Figure 3. Distribution of Annual Average Public Water Supply Pumpage (1979-1995 minus 1996-2000) in the Lower East Coast Based on the South Florida Water Management Model Grid Network

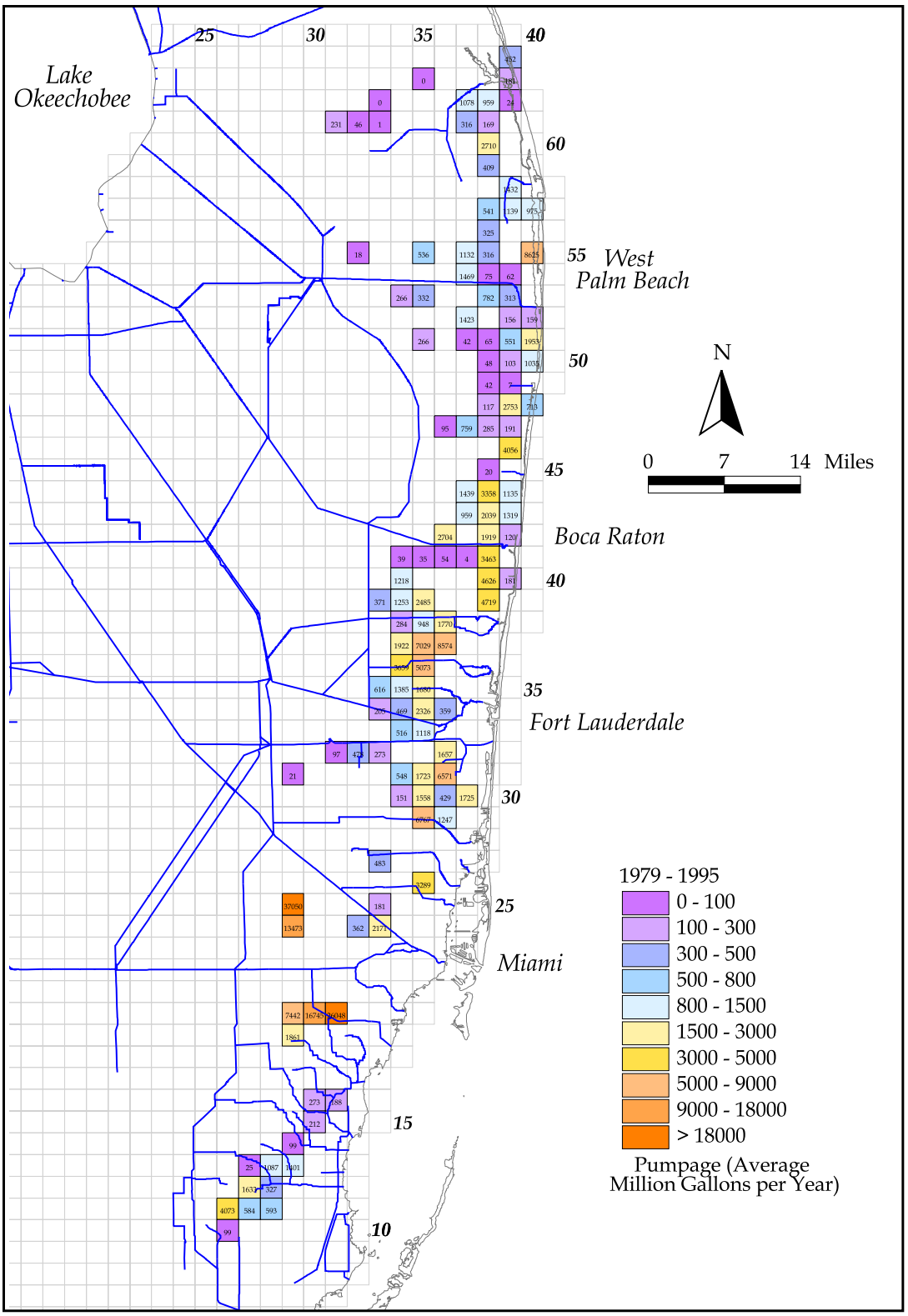

Figure 4. Distribution of Annual Average Public Water Supply Pumpage (1979-1995) in the Lower East Coast Based on the South Florida Water Management Model Grid Network

Table 2. Summary Statistics (in MGY) of Public Water Supply Pumpage Data for the South Florida Water Management Model for Different Periods of Record (POR)

	1979-1995 POR (row col)	**1996-2000 POR (row col)**	**1979-1995 POR minus 1996-2000 POR (row col)**	**1979-2000 POR (row col)**
Maximum	37,050 (R25C29)	41,986 (R25C29)	5,320 (R20C31)	38,172 (R25C29)
Mean	1,578	2,709	379	1,648
Minimum	0.1 (R63C35)	0.4 (R62C33)	-1808 (R29C35)	0.1 (R63C35)

Summary

As part of the overall SFWMM2000 effort, historical public water supply data was collected and processed for input into the South Florida Water Management Model. The effort involves updating the current pumpage data set from 1979-1995 to 1979-2000 for the Palm Beach, Broward and Miami-Dade counties. The additional five years (1996-2000) of data are essentially reported pumpages or water use from public water utilities and were compiled by the USGS (for calendar years 1996-1999) and the SFWMD (for calendar year 2000). The raw data is organized by wellfield permit number per county. It is transformed into model input data by distributing the reported pumpages in space: 1) determine which model grid cell each well within a permit is assigned to, and 2) allocate a pumpage amount for each of the wells. There was need to distribute pumpages in time since reported values and model input requirements are both in monthly time steps. Simple checks were performed to verify the appropriateness of the SFWMM public water supply pumpage input file created in this effort.

LB/lb

copied w/o appendices:

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K. Leckler, WUR, WSD

APPENDIX A
Public Water Supply Pumpage For Palm Beach County (1996-1999)

Monthly Public-Supply Water Use (withdrawals) in Palm Beach County, 1996
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Mgal/d	water source	FDEP PWS ID#	WMD Permit #	Population served
Acme Improvement District													1,552.9	4.24			50-00464	N/A
Lime Plant	94.4	100.8	105.1	104.9	98.5	86.3	97.5	94.7	98.4	97.1	117.8	118.1	1,213.6		S	4500014-1		N/A
R/O Plant (withdrawal)	46.3	43.4	36.8	39.7	29.6	29.8	20.7	24.3	14.6	17.7	8.2	28.2	339.3		S (R/O)	4500014-2		N/A
Belle Glade, city of	126.6	113.4	145.4	157.9	161.9	141.7	116.2	112.1	102.2	105.9	119.9	134.8	1,538.0	4.20	SW	4500105	50-00454	N/A
Boca Raton, city of	1,152.7	1,243.9	1,324.3	1,307.8	1,229.8	1,034.7	1,341.3	1,310.9	1,107.0	1,121.5	1,316.4	1,360.4	14,850.7	40.58	B	4500130	50-00367	N/A
Boynton Beach, city of													4,267.6	11.66			50-00498	N/A
Lime Plant	247.7	276.7	261.2	261.0	205.0	217.3	254.0	242.5	230.4	225.2	269.9	286.3	2,977.2		S	4500145-1		N/A
R/O Plant (withdrawal)	117.0	100.2	118.7	104.4	114.4	108.0	114.7	100.7	91.8	116.0	115.5	89.0	1,290.4		S (R/O)	4500145-2		N/A
Bryant, town of (USSC)	35.2	31.2	27.4	4.9	3.7	4.2	3.8	3.6	3.9	5.1	2.7	33.6	159.3	0.44	SW	4501520	50-00267	N/A
Colonial MHP	1.5	1.7	1.7	1.5	1.1	1.1	1.3	1.1	1.1	1.0	1.2	1.2	15.5	0.04	S	4500264		N/A
Delray Beach, city of	393.9	384.8	423.4	413.2	392.8	329.5	423.3	463.0	415.3	432.7	465.1	458.8	4,995.8	13.65	S	4500351	50-00177	N/A
Golf, village of	15.7	15.5	16.5	15.5	13.2	12.0	12.5	12.1	11.7	10.8	11.2	15.8	162.5	0.44	S	4501528	50-00612	N/A
Highland Beach, city of	41.3	40.0	43.0	38.4	33.1	28.4	35.0	35.4	32.3	33.7	39.7	41.5	441.8	1.21	B	4500609	50-00346	N/A
Jupiter, town of													4,816.9	13.16		4501489	50-00010	N/A
Lime Plant	309.2	306.2	318.1	308.0	305.2	274.8	391.1	302.2	278.0	286.7	316.0	303.5	3,699.0		S			N/A
R/O Plant (withdrawal)	69.7	108.8	79.0	121.7	100.8	73.2	106.4	100.8	98.6	59.6	84.8	114.5	1,117.9		F (R/O)			N/A
Lake Worth Utilities	207.9	194.8	194.4	199.9	202.0	185.2	224.2	217.6	202.8	187.5	199.5	203.3	2,419.1	6.61	S	4500773	50-00234	N/A
Lake Worth Village	7.8	10.6	9.9	9.9	6.0	4.3	6.3	5.7	5.4	5.7	8.3	9.2	89.1	0.24	S	4500960	50-00572	N/A
Lantana, town of	61.3	65.6	66.5	72.8	66.2	58.4	71.8	70.7	64.8	55.2	61.0	64.7	779.0	2.13	S	4500784	50-00575	N/A
Magnolia Park Utilities	9.9	11.0	11.2	11.5	10.6	10.7	11.7	11.5	9.6	10.3	10.4	9.9	128.3	0.35	S	4500841	50-00030	N/A
Manalapan, town of	34.7	37.3	39.0	40.4	34.4	29.0	35.5	40.5	39.1	32.6	36.6	36.0	435.1	1.19	S	4500840	50-00506	N/A
Pahokee, city of	25.1	22.5	23.9	24.1	24.8	22.9	24.7	25.4	25.0	25.9	25.2	27.3	296.8	0.81	SW	4501023	50-00473	N/A
Palm Beach County Utilities													13,772.4	37.63				N/A
8W Wellfield	397.0	378.4	343.0	384.0	362.0	301.5	324.0	334.5	314.0	313.5	333.1	361.9	4,146.9		S	4504393	50-00135	N/A
System 2	214.4	235.9	272.9	243.6	222.7	205.0	249.9	218.8	215.6	214.7	212.0	265.3	2,770.8		S	4501047	50-00135	N/A
System 3	159.6	160.7	165.3	154.6	150.3	134.9	123.6	216.7	204.5	203.7	277.1	293.2	2,244.2		S	4501046	50-00511	N/A
System 7	13.7	26.9	36.1	33.3	25.2	29.9	43.8	40.4	21.5	15.7	33.6	31.3	351.4		S	4500225	50-00178	N/A
System 9	396.9	377.9	393.1	374.6	341.6	293.9	366.0	332.6	308.6	332.9	362.1	378.9	4,259.1		S	4501332	50-00401	N/A
Palm Springs Village													1,486.1	4.06			50-00036	N/A
Palm Springs	65.9	69.9	72.9	79.2	65.0	58.9	69.3	65.7	60.9	59.2	69.5	69.1	805.5		S	4501058-1		N/A
Robert Pratt	56.3	54.3	58.5	55.7	58.8	56.2	57.3	58.4	55.0	58.2	55.8	56.1	680.6		S	4501058-2		N/A
Riviera Beach, city of													2,732.2	7.47				N/A
Main System	225.8	215.2	235.4	239.7	235.5	194.4	234.7	238.7	207.9	205.9	217.9	218.2	2,669.3		S	4501229	50-00460	N/A
System 2	0.0	6.6	8.9	9.0	8.1	7.9	5.7	7.6	8.1	1.0	0.0	0.0	62.9		S	4500278	50-00713	N/A
Royal Palm Beach Utilities													809.2	2.21			50-00444	N/A
Lime Plant	64.7	61.8	64.8	66.1	74.9	45.3	60.6	57.7	58.5	64.6	64.5	69.7	753.2		S	4501242-1		N/A
R/O Plant (withdrawal)	5.8	4.7	5.6	6.0	7.0	17.6	6.9	2.4	0.0	0.0	0.0	0.0	56.0		S (R/O)	4501242-2		N/A
Seacoast Utilities													5,242.6	14.32			50-00365	N/A
Hood Road	280.1	299.2	299.0	319.3	300.2	271.7	342.2	324.6	304.5	310.6	256.7	365.2	3,673.3		S	4501124-1		N/A
Richards Road	131.7	127.5	130.6	136.7	132.8	122.4	137.7	144.6	124.9	123.1	129.2	128.1	1,569.3		S	4501124-2		N/A
South Bay, city of	13.9	13.1	13.9	12.5	12.6	11.6	13.1	14.3	12.0	11.9	12.8	14.9	156.6	0.43	SW	4501911	50-00131	N/A
Tequesta, village of	48.2	50.9	57.4	57.7	49.6	25.4	42.1	44.6	39.6	38.6	52.9	42.0	549.0	1.50	S	4501438	50-00046	N/A
Tropical Breeze Estates	3.5	3.9	3.9	3.5	2.8	2.3	3.3	3.0	3.0	3.2	3.8	3.3	39.5	0.11	S	4500981	50-00137	N/A
West Palm Beach, city of	731.2	769.7	808.9	830.3	778.0	703.7	851.1	818.5	740.4	742.0	795.7	838.7	9,408.2	25.71	SW	4501558	50-00615	N/A
Woodhaven Villas	1.3	1.3	1.5	1.2	1.3	0.8	1.3	1.0	1.0	1.0	1.0	1.2	13.9	0.04	S	4500261		N/A
Monthly totals	5,807.9	5,966.3	6,217.2	6,244.5	5,861.5	5,134.9	6,224.6	6,098.9	5,512.0	5,530.0	6,087.1	6,473.2	105,838.0	**194.43**				**897,610**

The town of Jupiter R/O withdrawals are estimated based on 75 percent efficiencies of the R/O plant.
Royal Palm Beach Utilities R/O withdrawals are estimated based on the monthly efficiencies of the R/O plant.
Mgal/d, million gallons per day; B, Biscayne; S, Surficial; F, Floridan; SW, surface water; GW, ground water;
R/O, Reverse Osmosis; WF, Wellfield; MHP, mobile home park; USSC, U.S. Sugar Company; N/A, data not available.
Sources; The U.S. Geological Survey (Tallahassee) and the Palm Beach County Public Health Unit (West Palm Beach).

Sub totals	
SW	31.59
GW	162.84
R/O	7.66

Total Population	981,793
Population served	897,610
Per capita	217
Self-supplied pop.	84,183
Self-supplied Mgal/d	18.27

Monthly Public-Supply Water Use (withdrawals) in Palm Beach County, 1997
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	**Mgal/d**	water source	FDEP PWS ID#	WMD Permit #	Population served
Arrowhead MHP	4.2	3.7	5.1	4.3	5.6	3.8	3.8	3.4	3.5	4.9	4.4	3.7	50.4	0.14	S	4500062		N/A
Acme Improvement District/Wellington													1,646.2	4.51			50-00464	N/A
Lime Plant	114.6	84.6	99.5	91.4	93.9	81.1	84.7	76.2	71.4	92.0	95.4	91.0	1,075.8		S	4500014-1		N/A
R/O Plant (withdrawal)	39.2	45.0	38.7	45.3	56.2	46.0	42.2	43.9	50.8	60.4	51.8	50.9	570.4		S (R/O)	4500014-2		N/A
Belle Glade, city of	126.6	110.3	137.9	148.1	147.2	110.8	116.4	118.9	116.2	122.1	121.8	129.5	1,505.8	4.13	SW	4500105	50-00454	N/A
Boca Raton, city of	1,238.0	1,155.1	1,273.7	1,246.9	1,286.0	1,057.1	1,201.0	1,218.9	1,149.0	1,244.5	1,315.4	1,199.4	14,585.0	39.96	B	4500130	50-00367	N/A
Boynton Beach, city of													4,534.9	12.42			50-00498	N/A
Lime Plant	300.2	256.5	301.9	279.8	263.9	210.7	296.5	236.7	211.4	278.7	284.0	250.0	3,170.3		S	4500145-1		N/A
R/O Plant (withdrawal)	115.6	106.7	113.5	109.2	112.9	108.9	106.9	120.2	118.8	118.5	118.1	115.3	1,364.6		S (R/O)	4500145-2		N/A
Bryant, town of (USSC)	32.3	29.5	32.0	46.0	12.6	15.8	21.8	22.8	23.3	24.9	32.1	36.8	329.9	0.90	SW	4501520	50-00267	N/A
Colonial MHP	1.4	1.2	0.9	0.9	1.1	0.8	0.8	0.7	0.7	0.7	0.9	1.1	11.2	0.03	S	4500264		N/A
Delray Beach, city of	446.1	402.7	455.6	430.7	440.1	369.2	446.1	426.1	389.8	443.9	274.1	441.7	4,966.1	13.61	S	4500351	50-00177	N/A
Golf, village of	14.1	13.1	14.8	13.9	8.8	11.8	12.5	11.7	11.9	13.7	15.1	15.1	156.5	0.43	S	4501528	50-00612	N/A
Highland Beach, city of	41.9	39.4	42.3	36.6	35.7	29.2	34.4	32.0	31.2	34.9	36.3	37.2	431.1	1.18	B	4500609	50-00346	N/A
Jupiter, town of													4,544.5	12.45		4501489	50-00010	N/A
Lime Plant	304.5	277.9	292.7	297.9	300.8	253.0	271.0	269.6	269.8	304.4	283.2	274.5	3,399.3		S			N/A
R/O Plant (withdrawal)	101.4	89.7	111.3	91.5	97.6	85.3	118.6	78.4	65.4	109.2	108.0	88.8	1,145.2		F (R/O)			N/A
R/O Plant (treated)	76.1	67.3	83.5	68.7	73.2	64.0	89.0	58.8	49.1	81.9	81.0	66.6						N/A
Lake Worth Utilities	199.2	178.7	212.6	204.0	212.7	188.7	210.0	210.1	193.3	215.1	205.1	189.0	2,418.5	6.63	S	4500773	50-00234	N/A
Lake Worth Village	8.7	7.7	10.8	8.9	8.5	5.6	6.6	5.2	4.6	4.8	8.2	7.3	86.9	0.24	S	4500960	50-00572	N/A
Lantana, town of	60.7	58.0	68.7	60.4	64.1	57.2	77.1	73.6	59.4	66.1	62.5	63.5	771.3	2.11	S	4500784	50-00575	N/A
Magnolia Park Utilities	10.4	10.0	11.0	10.4	9.9	9.6	11.4	10.8	11.1	10.8	10.9	11.4	127.7	0.35	S	4500841	50-00030	N/A
Manalapan, town of	33.9	30.1	38.4	33.7	34.4	27.4	36.1	33.1	28.8	34.0	31.9	29.1	390.9	1.07	S	4500840	50-00506	N/A
Pahokee, city of	24.0	21.0	24.5	23.2	24.1	21.9	24.4	24.5	23.2	24.9	25.2	24.3	285.2	0.78	SW	4501023	50-00473	N/A
Palm Beach County Utilities													14,077.8	38.57				N/A
8W Wellfield	373.4	319.2	378.7	378.8	418.3	355.9	361.3	358.1	339.9	339.9	374.9	373.1	4,371.5		S	4504393	50-00135	N/A
System 2	241.9	225.4	268.1	236.9	222.0	188.9	206.5	197.0	200.7	283.1	240.2	204.8	2,715.5		S	4501047	50-00135	N/A
System 3	293.3	304.9	283.7	258.5	266.2	216.8	252.7	242.3	224.5	274.6	268.0	280.8	3,166.3		S	4501046	50-00511	N/A
System 7	27.6	18.5	21.8	19.1	14.9	14.4	14.4	0.0	0.0	0.0	0.0	0.0	130.7		S	4500225	50-00178	N/A
System 9	348.9	314.4	351.7	324.5	332.0	271.8	279.0	273.5	265.2	282.2	324.3	326.3	3,693.8		S	4501332	50-00401	N/A
Palm Springs Village													1,416.2	3.88			50-00036	N/A
Palm Springs	65.9	61.7	70.0	65.0	66.4	53.4	58.1	56.3	53.1	67.9	57.4	55.1	730.3		S	4501058-1		N/A
Robert Pratt	58.4	50.9	57.9	55.7	59.0	56.8	58.1	57.9	56.1	58.2	58.6	58.3	685.9		S	4501058-2		N/A
Riviera Beach, city of	211.9	191.4	233.1	212.6	221.9	203.4	231.9	218.5	196.8	211.7	200.2	199.5	2,532.9	6.94	S	4501229	50-00460	N/A
Royal Palm Beach Utilities													805.9	2.21			50-00444	N/A
Lime Plant	61.6	57.3	57.0	51.8	52.0	57.5	57.8	58.8	54.7	52.7	56.4	60.8	678.4		S	4501242-1		N/A
R/O Plant (withdrawal)	0.0	0.0	0.0	0.0	9.0	11.0	15.4	11.1	11.1	27.2	20.9	21.8	127.5		S (R/O)	4501242-2		N/A
R/O Plant (treated)	0	0	0	0	6.5	7.9	11.1	8.0	8.0	19.6	15.0	15.7						N/A
Seacoast Utilities													5,447.1	14.92			50-00365	N/A
Hood Road	331.3	300.9	368.1	349.2	364.4	307.2	360.7	305.7	295.9	356.7	316.6	338.2	3,994.9		S	4501124-1		N/A
Richards Road	124.0	112.1	131.2	125.4	132.7	118.4	121.1	124.3	101.7	120.2	124.7	116.4	1,452.2		S	4501124-2		N/A
South Bay, city of	15.7	15.0	16.7	24.9	17.7	17.4	18.1	17.5	19.0	22.4	22.5	22.5	229.4	0.63	SW	4501911	50-00131	N/A
Tequesta, village of	41.0	37.5	44.0	39.1	32.7	20.2	28.1	37.2	32.6	34.4	40.6	40.5	427.9	1.17	S	4501438	50-00046	N/A
Tropical Breeze Estates	3.3	2.8	3.5	3.0	3.2	2.0	2.4	2.1	2.0	2.9	3.1	2.7	33.0	0.09	S	4500981	50-00137	N/A
West Palm Beach, city of	795.7	710.9	806.8	771.2	818.8	722.5	845.8	836.7	755.9	742.0	795.7	838.7	9,440.7	25.86	SW	4501558	50-00615	N/A
Woodhaven Villas	1.0	1.0	0.9	1.0	1.0	0.9	0.8	0.9	0.8	1.0	0.9	0.9	11.1	0.03	S	4500261		N/A
Monthly totals	6,211.9	5,644.8	6,379.1	6,099.8	6,248.3	5,312.4	6,034.5	5,814.7	5,443.6	6,085.6	5,989.4	6,000.0	71,264.1	**195.24**				**917,357**

Acme Improvement District is operated by the village of Wellington as of August 1997.
The town of Jupiter R/O withdrawals are estimated based on 75 percent efficiency of the R/O plant.
Royal Palm Beach Utilities R/O withdrawals are estimated based on 72 percent efficiency of the R/O plant.
Mgal/d, million gallons per day; B, Biscayne; S, Surficial; F, Floridan; SW, surface water; GW, ground water;
R/O, Reverse Osmosis; WF, Wellfield; MHP, mobile home park; USSC, U.S. Sugar Company; N/A, data not available.
Sources; The U.S. Geological Survey (Tallahassee) and the Palm Beach County Public Health Unit (West Palm Beach).

Sub totals	
SW	32.30
GW	162.94
R/O	8.79

Total Population	1,003,798
Population served	917,357
Per capita	213
Self-supplied pop.	86,441
Self-supplied Mgal/d	18.41

Monthly Public-Supply Water Use (withdrawals) in Palm Beach County, 1998
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	**Mgal/d**	water source	FDEP PWS ID#	WMD Permit #	Population served
Arrowhead MHP	3.8	3.6	4.5	6.8	7.5	8.0	6.3	5.5	4.4	6.1	5.5	5.1	67.1	0.18	S	4500062		N/A
Belle Glade, city of	127.9	108.2	121.1	120.8	129.7	121.4	130.6	126.1	111.2	126.9	128.6	125.8	1,478.3	4.05	SW	4500105	50-00454	N/A
Boca Raton, city of	1,154.7	1,020.2	1,139.8	1,450.5	1,521.6	1,485.5	1,396.7	1,370.7	1,134.9	1,325.2	1,321.8	1,254.9	15,576.5	42.68	B	4500130	50-00367	N/A
Boynton Beach, city of													4,992.9	13.68			50-00498	N/A
Lime Plant	268.9	239.2	294.0	311.5	332.1	341.3	320.5	326.2	269.8	306.0	214.2	199.3	3,423.0		S	4500145-1		N/A
R/O Plant (withdrawal)	111.9	104.4	118.7	115.5	104.4	93.6	106.3	113.4	102.9	128.6	229.7	240.5	1,569.9		S (R/O)	4500145-2		N/A
Bryant, town of (USSC)	34.3	29.2	35.0	26.0	16.7	12.5	13.3	14.2	12.8	20.9	28.2	33.0	276.1	0.76	SW	4501520	50-00267	N/A
Colonial MHP	1.1	1.0	1.3	1.1	0.9	0.9	0.7	0.7	0.6	0.8	0.9	1.0	11.0	0.03	S	4500264		N/A
Delray Beach, city of	423.5	361.7	416.1	497.3	511.4	520.1	491.8	525.5	432.6	499.9	458.4	443.7	5,582.0	15.29	S	4500351	50-00177	N/A
Golf, village of	15.1	14.2	25.2	14.7	12.4	11.2	10.5	11.7	11.1	12.9	14.2	14.0	167.2	0.46	S	4501528	50-00612	N/A
Highland Beach, city of	40.7	37.6	41.1	42.3	41.4	23.5	21.8	21.5	29.1	36.8	38.9	40.1	414.8	1.14	B	4500609	50-00346	N/A
Jupiter, town of													5,254.4	14.40		4501489	50-00010	N/A
Lime Plant	280.9	235.1	273.1	278.8	301.1	305.7	304.1	270.0	204.7	318.5	339.2	331.0	3,442.2		S			N/A
R/O Plant (withdrawal)	105.1	104.5	121.9	217.3	217.3	193.3	165.2	187.2	177.3	128.2	96.1	98.8	1,812.2		F (R/O)			N/A
R/O Plant (treated)	78.8	78.4	91.5	163.0	163.0	145.0	124.0	140.4	133.0	96.2	72.1	74.2						N/A
Lake Worth Utilities	196.7	174.3	201.1	237.0	247.2	253.1	235.9	241.7	205.5	237.6	218.4	202.1	2,650.6	7.26	S	4500773	50-00234	N/A
Lake Worth Village	7.6	5.7	8.8	13.9	11.1	11.6	9.0	7.3	5.1	6.9	7.1	6.7	100.8	0.28	S	4500960	50-00572	N/A
Lantana, town of	54.8	46.7	55.9	73.7	76.8	74.1	67.6	72.8	57.4	69.1	64.3	60.2	773.4	2.12	S	4500784	50-00575	N/A
Magnolia Park Utilities	11.6	8.3	10.9	11.8	13.4	14.2	14.9	13.5	13.0	14.1	13.3	12.9	151.9	0.42	S	4500841	50-00030	N/A
Manalapan, town of	28.0	26.7	31.9	40.5	40.9	45.0	39.8	43.4	36.0	40.3	36.0	34.1	442.6	1.21	S	4500840	50-00506	N/A
Pahokee, city of	25.5	22.5	26.6	26.1	26.3	25.4	26.1	24.8	24.1	25.1	26.3	26.8	305.6	0.84	SW	4501023	50-00473	N/A
Palm Beach County Utilities													15,047.0	41.22				N/A
8W Wellfield	365.3	322.5	248.1	407.5	418.3	415.8	420.6	378.6	355.3	411.1	426.7	403.7	4,573.5		S	4504393	50-00135	N/A
System 2	213.9	193.9	259.6	269.6	262.8	289.8	232.9	229.4	202.6	219.1	202.3	214.4	2,790.3		S	4501047	50-00135	N/A
System 3	340.2	278.9	301.8	327.4	367.0	348.7	280.2	267.2	245.8	289.1	255.3	295.9	3,597.5		S	4501046	50-00511	N/A
System 7	0.0	0.0	0.0	0.0	0.0	0.0	15.9	15.5	15.8	16.2	14.6	15.6	93.6		S	4500225	50-00178	N/A
System 9	335.9	297.3	324.9	373.5	361.1	331.8	314.6	313.4	297.2	334.1	354.6	353.7	3,992.1		S	4501332	50-00401	N/A
Palm Springs Village													1,410.0	3.86			50-00036	N/A
Palm Springs	57.7	53.8	56.9	74.3	69.2	69.5	59.4	60.4	50.2	61.3	60.4	49.5	722.6		S	4501058-1		N/A
Robert Pratt	57.7	50.8	59.0	55.8	63.3	58.2	57.8	55.9	55.2	56.5	56.0	61.2	687.4		S	4501058-2		N/A
Riviera Beach, city of	194.1	178.9	213.8	272.4	259.3	266.7	265.3	263.1	224.9	245.3	237.1	232.0	2,852.9	7.82	S	4501229	50-00460	N/A
Royal Palm Beach Utilities													915.2	2.51			50-00444	N/A
Lime Plant	66.8	58.3	53.7	56.6	64.5	53.7	62.0	48.1	41.0	39.9	47.2	53.6	645.4		S	4501242-1		N/A
R/O Plant (withdrawal)	0.9	2.4	20.8	30.7	27.9	32.2	13.4	36.9	20.2	35.4	27.5	21.5	269.8		S (R/O)	4501242-2		N/A
(R/O Plant efficiency in %)	77.8	79.2	75.5	76.2	75.6	76.7	75.4	51.2	75.2	75.1	74.9	75.8						N/A
Seacoast Utilities													6,030.9	16.52			50-00365	N/A
Hood Road	349.3	303.3	248.6	431.3	454.1	470.4	456.9	407.1	329.5	399.5	385.2	368.5	4,603.7		S	4501124-1		N/A
Richards Road	114.6	100.9	105.4	115.8	115.8	111.3	108.5	118.7	120.0	136.7	143.9	135.6	1,427.2		S	4501124-2		N/A
South Bay, city of	21.9	20.1	21.9	22.5	22.8	20.9	21.0	30.9	20.8	24.4	22.0	21.9	271.1	0.74	SW	4501911	50-00131	N/A
Tequesta, village of	40.6	33.7	36.6	51.2	49.3	63.6	71.6	51.6	46.7	48.1	48.1	47.4	588.5	1.61	S	4501438	50-00046	N/A
Tropical Breeze Estates	2.8	2.6	3.2	4.1	3.7	3.8	3.0	3.0	2.5	3.3	3.4	3.6	39.0	0.11	S	4500981	50-00137	N/A
Wellington, village of													1,816.3	4.98			50-00464	N/A
Lime Plant	103.1	79.6	90.9	121.7	122.9	105.3	86.4	90.7	85.9	96.6	92.1	93.8	1,169.0		S	4500014-1		N/A
R/O Plant (withdrawal)	44.9	48.9	53.5	64.3	68.5	60.4	57.5	51.1	35.5	49.5	59.3	53.9	647.3		S (R/O)	4500014-2		N/A
West Palm Beach, city of	793.7	729.4	776.7	972.7	1,005.8	979.4	982.7	1,099.0	849.3	926.1	858.2	823.1	10,796.1	29.58	SW	4501558	50-00615	N/A
Woodhaven Villas	1.1	0.8	1.0	0.9	1.0	1.3	1.5	1.3	1.4	1.1	1.1	1.1	13.6	0.04	S	4500261		N/A
Monthly totals	5,996.6	5,299.2	5,803.4	7,137.9	7,349.5	7,223.2	6,872.3	6,898.1	5,832.3	6,697.2	6,536.1	6,380.0	78,025.8	**213.79**				**936,840**

The town of Jupiter R/O withdrawals are estimated based on 75 percent efficiencies of the R/O plant.
Royal Palm Beach Utilities R/O withdrawals are estimated based on the monthly efficiencies of the R/O plant.
The village of Wellington water system was formerly Acme Improvement District (as of August 1997).
Mgal/d, million gallons per day; B, Biscayne; S, Surficial; F, Floridan; SW, surface water; GW, ground water;
R/O, Reverse Osmosis; WF, Wellfield; MHP, mobile home park; USSC, U.S. Sugar Company; N/A, data not available.
Sources; The U.S. Geological Survey (Tallahassee) and the Palm Beach County Public Health Unit (West Palm Beach).

Sub totals	
SW	35.96
GW	177.83
R/O	11.78

Total Population	1,020,521
Population served	936,840
Per capita	228
Self-supplied pop.	83,681
Self-supplied Mgal/d	19.08

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7/9/02

Monthly Public-Supply Water Use (withdrawals) in Palm Beach County, 1999
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	**Mgal/d**	water source	FDEP PWS ID#	WMD Permit #	Population served
Arrowhead MHP	5.3	5.5	10.5	10.8	12.0	6.2	9.0	7.8	5.1	4.9	5.0	5.4	87.5	0.24	S	4500062		N/A
Belle Glade, city of	129.2	116.8	127.1	125.0	127.9	120.8	123.7	127.2	137.8	143.0	132.4	136.2	1,547.0	4.24	SW	4500105	50-00454	N/A
Boca Raton, city of	1,232.9	1,204.3	1,471.2	1,543.1	1,466.9	997.2	1,359.9	1,253.7	1,070.1	109.6	1,270.2	1,323.3	14,302.3	39.18	B	4500130	50-00367	N/A
Boynton Beach, city of													5,139.1	14.08			50-00498	N/A
Lime Plant	235.9	219.6	248.9	255.9	271.4	227.5	239.4	231.5	239.8	231.3	223.9	216.2	2,841.3		S	4500145-1		N/A
R/O Plant (withdrawal)	183.1	192.4	287.2	252.4	191.7	123.6	223.8	193.1	132.1	159.6	198.7	160.4	2,297.8		S (R/O)	4500145-2		N/A
Bryant, town of (USSC)	32.5	27.6	31.0	34.6	14.2	11.0	11.4	11.4	14.5	26.1	32.6	33.1	280.0	0.77	SW	4501520	50-00267	N/A
Colonial MHP	0.9	1.0	1.3	1.2	0.8	0.6	0.8	0.6	0.7	0.9	1.0	1.1	10.9	0.03	S	4500264		N/A
Delray Beach, city of	407.2	393.2	538.0	550.9	524.9	382.5	521.7	453.8	384.1	407.9	462.3	475.8	5,502.3	15.07	S	4500351	50-00177	N/A
Golf, village of	15.6	14.7	16.2	14.3	12.2	10.5	12.2	11.8	10.6	13.2	14.6	14.7	160.6	0.44	S	4501528	50-00612	N/A
Highland Beach, city of	41.0	38.2	45.1	41.5	33.2	32.4	36.8	36.0	31.3	33.6	37.5	40.8	447.4	1.23	B	4500609	50-00346	N/A
Jupiter, town of													6,481.8	17.76		4501489	50-00010	N/A
Lime Plant	331.4	282.8	339.3	374.8	349.1	283.4	331.0	331.9	286.8	289.0	312.0	334.6	3,846.1		S			N/A
R/O Plant (withdrawal)	185.2	279.4	310.0	298.8	247.8	119.9	268.5	217.3	119.9	123.9	239.8	225.2	2,635.7		F (R/O)			N/A
R/O Plant (treated)	42.9	89.0	149.1	143.8	113.5	47.9	101.2	74.5	46.6	62.8	104.9	83.7						N/A
Lake Worth Utilities	192.7	186.5	249.7	261.2	249.2	195.0	240.2	217.7	189.9	204.3	209.6	205.8	2,601.8	7.13	S	4500773	50-00234	N/A
Lake Worth Village	6.6	8.5	12.7	9.8	8.9	4.4	6.2	6.0	11.0	4.1	6.2	5.8	90.2	0.25	S	4500960	50-00572	N/A
Lantana, town of	54.5	54.4	75.6	78.2	70.0	52.9	74.4	64.2	51.4	52.0	59.4	61.5	748.5	2.05	S	4500784	50-00575	N/A
Mangolia Park Utilities	12.4	15.0	17.8	18.0	18.6	16.3	19.9	18.5	15.4	15.7	17.2	17.4	202.2	0.55	S	4500841	50-00030	N/A
Manalapan, town of	34.6	34.8	41.9	45.9	43.2	35.0	40.0	43.3	30.4	29.7	35.9	36.6	451.3	1.24	S	4500840	50-00506	N/A
Pahokee, city of	26.2	26.2	23.1	25.4	26.5	25.4	24.8	24.2	22.8	26.0	23.3	23.5	297.4	0.81	SW	4501023	50-00473	N/A
Palm Beach County Utilities													16,201.9	44.39				N/A
8W Wellfield	426.4	416.0	511.3	527.2	527.2	418.6	515.0	459.6	384.4	415.2	798.5	403.9	5,803.3		S	4504393	50-00135	N/A
System 2	192.7	150.0	217.6	241.7	225.4	159.9	112.5	111.9	105.9	187.1	278.1	256.8	2,239.6		S	4501047	50-00135	N/A
System 3	317.1	308.4	398.3	409.1	353.4	251.3	336.8	344.1	310.6	332.2	316.4	341.4	4,019.0		S	4501046	50-00511	N/A
System 7	4.0	3.2	1.9	9.1	1.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	22.1		S	4500225	50-00178	N/A
System 9	346.4	333.7	401.7	409.7	361.3	288.6	350.5	320.0	279.7	332.1	325.2	369.0	4,117.9		S	4501332	50-00401	N/A
Palm Springs Village													1,470.2	4.03			50-00036	N/A
Palm Springs	54.6	61.7	100.6	97.9	90.8	57.3	84.4	69.0	58.4	59.9	66.7	63.2	864.4		S	4501058-1		N/A
Robert Pratt	58.7	51.6	42.1	47.4	46.7	50.4	46.6	49.4	50.7	53.6	51.9	56.7	605.8		S	4501058-2		N/A
Riviera Beach, city of	220.8	223.5	267.2	266.2	250.9	205.7	248.2	234.6	211.1	203.3	246.5	235.7	2,813.7	7.71	S	4501229	50-00460	N/A
Royal Palm Beach Utilities													1,123.1	3.08			50-00444	N/A
Lime Plant	48.0	47.7	69.2	71.3	63.8	67.1	69.3	56.5	69.2	65.2	76.8	58.3	762.4		S	4501242-1		N/A
R/O Plant (withdrawal)	34.3	29.5	34.5	33.0	31.1	32.5	26.4	28.1	23.8	28.0	31.2	28.3	360.7		S (R/O)	4501242-2		N/A
(R/O Plant efficiency in %)	78.8	78.6	76.1	75.6	75.3	76.7	51.2	75.3	75.2	75.2	74.9	75.7						N/A
Seacoast Utilities													5,723.0	15.68			50-00365	N/A
Hood Road	340.9	353.3	454.7	423.0	375.2	272.7	348.7	308.7	257.6	293.1	346.9	354.3	4,129.2		S	4501124-1		N/A
Richards Road	133.1	116.1	152.3	161.9	140.0	118.5	128.9	133.4	123.7	127.5	129.2	129.2	1,593.8		S	4501124-2		N/A
South Bay, city of	21.4	22.1	23.4	21.7	19.4	17.0	19.6	23.9	23.4	24.6	23.2	23.3	263.0	0.72	SW	4501911	50-00131	N/A
Tequesta, village of	42.2	47.9	68.6	69.9	56.9	48.7	43.5	36.4	38.0	39.9	50.9	38.1	581.0	1.59	S	4501438	50-00046	N/A
Tropical Breeze Estates	3.3	4.5	4.6	4.4	3.6	2.1	2.7	2.4	2.2	2.2	2.9	2.8	37.7	0.10	S	4500981	50-00137	N/A
Wellington, village of													1,838.9	5.04			50-00464	N/A
Lime Plant	98.7	105.4	139.0	136.0	113.5	92.8	93.8	95.3	89.9	91.0	88.7	96.3	1,240.3		S	4500014-1		N/A
R/O Plant (withdrawal)	46.0	35.6	60.6	69.4	60.0	24.0	53.5	49.1	35.5	41.6	61.9	61.4	598.6		S (R/O)	4500014-2		N/A
West Palm Beach, city of	800.8	759.1	933.3	988.1	950.2	776.3	941.5	947.6	822.3	797.4	838.8	826.7	10,382.1	28.44	SW	4501558	50-00615	N/A
Monthly totals	6,316.6	6,170.0	7,727.4	7,929.0	7,338.9	5,528.0	6,965.5	6,520.8	5,641.1	4,969.7	7,015.4	6,662.6	78,785.0	**215.85**				**950,000**

The town of Jupiter R/O withdrawals are estimated based on 75 percent efficiencies of the R/O plant.
Royal Palm Beach Utilities R/O withdrawals are estimated based on the monthly efficiencies of the R/O plant.
Mgal/d, million gallons per day; B, Biscayne; S, Surficial; F, Floridan; SW, surface water; GW, ground water;
R/O, Reverse Osmosis; WF, Wellfield; MHP, mobile home park; USSC, U.S. Sugar Company; N/A, data not available.
Sources; The U.S. Geological Survey (Tallahassee), the Palm Beach County Public Health Unit (West Palm Beach),
and the South Florida Water Management District (West Palm Beach).

Sub totals	
SW	34.98
GW	180.87
R/O	16.14

Total Population	1,042,196
Population served	950,000
Per capita	227
Self-supplied pop.	92,196
Self-supplied Mgal/d	20.93

APPENDIX B
Public Water Supply Pumpage For Broward County (1996-1999)

Monthly Public-Supply Water Use (withdrawals) in Broward County, 1996
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	**Mgal/d**	FDEP PWS ID#	WMD Permit #	Pop. served
Broward County Water and Sewer													10,765.4	29.41			N/A
District 2A	453.9	466.2	482.8	481.2	191.1	158.2	251.5	158.2	151.9	196.6	254.0	233.4	3,479.0		4060163	06-00142	
District 3A	92.6	89.2	93.9	88.3	82.0	77.6	95.5	89.6	81.9	81.6	89.5	91.8	1,053.5		4060165	06-00145	
System 1A	259.1	250.3	271.0	265.9	263.0	233.6	268.4	257.2	242.8	250.4	256.8	233.0	3,051.5		4060167	06-00146	
South Reg. (Picolo Park)	*124.1*	112.1	133.4	101.7	80.4	58.8	91.7	88.1	79.2	80.3	106.0	*109.6*	1,165.4			06-01474	
North Regional	0.0	0.0	0.0	0.0	245.0	244.0	253.0	312.6	259.0	213.3	252.7	236.4	2,016.0			06-01634	
Cooper City, city of													1,302.7	3.56	4060282	06-00365	N/A
East	33.2	31.9	32.9	35.6	35.6	31.7	36.4	34.7	37.8	36.6	33.8	38.8	419.0				
West	86.0	83.3	84.8	82.6	70.5	57.9	77.1	68.1	60.6	57.6	76.1	79.1	883.7				
Coral Springs Imp. District	124.1	140.1	136.8	135.6	137.4	119.4	132.7	130.3	123.2	133.9	131.0	136.8	1,581.3	4.32	4060291	06-00100	N/A
Coral Springs, city of	217.5	215.0	227.6	237.3	223.1	217.3	262.8	262.9	258.0	229.3	228.2	248.6	2,827.6	7.73	4060290	06-00102	N/A
Dania, city of	77.3	77.9	84.7	82.0	81.6	72.8	76.2	75.2	74.8	74.3	64.5	79.4	920.7	2.52	4060253	06-00187	N/A
Davie, city of													1,152.5	3.15	4060344	06-00134	N/A
Wellfield #1	24.1	27.1	31.4	33.3	25.1	21.8	23.4	14.0	13.8	17.7	22.3	16.9	270.9				
Wellfield #3	68.0	64.5	70.1	67.3	73.3	67.3	82.0	81.2	77.4	75.4	72.3	82.8	881.6				
Deerfield Beach, city of													4,165.4	11.38	4060254	06-00082	N/A
East Wellfield	162.7	141.0	159.0	194.0	157.8	126.8	179.3	168.5	120.9	111.7	164.8	211.9	1,898.4				
West Wellfield	183.9	190.3	187.3	153.0	174.9	163.3	210.4	200.8	202.1	216.6	210.2	174.2	2,267.0				
Ferncrest Utilities	25.2	23.2	24.9	22.8	22.4	20.5	20.0	21.0	18.5	19.6	18.8	18.0	254.9	0.70	4060419	06-00170	N/A
Fort Lauderdale, city of													18,083.9	49.41	4060486	06-00123	N/A
Peel-Dixie Wellfield	210.3	188.8	208.5	203.8	208.1	208.7	215.6	217.1	209.5	229.3	222.7	225.4	2,547.8				
Fiveash Wellfield	1,329.2	1,279.9	1,329.0	1,358.8	1,292.9	1,132.1	1,387.2	1,352.7	1,260.6	1,167.9	1,288.4	1,357.4	15,536.1				
Hallendale, city of	168.1	173.6	177.2	148.9	132.7	113.7	142.2	150.4	135.4	135.0	156.2	175.1	1,808.5	4.94	4060573	06-00138	N/A
Hillsboro Beach, town of	28.6	30.3	33.3	33.4	30.0	24.0	30.2	32.0	26.4	27.7	34.0	33.7	363.6	0.99	4060615	06-00101	N/A
Hollywood, city of	645.9	660.9	697.7	743.6	733.2	658.5	755.1	730.8	681.1	641.8	676.8	720.3	8,345.7	22.80	4060642	06-00038	N/A
Lauderhill, city of	243.7	234.5	251.1	246.9	239.2	217.8	265.9	231.6	214.5	211.0	231.9	242.1	2,830.2	7.73	4060787	06-00129	N/A
Margate, city of	272.4	267.8	282.6	299.5	270.0	240.5	281.3	259.7	239.2	255.2	264.8	272.1	3,205.1	8.76	4060845	06-00121	N/A
Miramar, city of	125.7	120.6	154.6	146.8	126.8	121.0	136.4	129.5	125.6	144.9	142.4	148.5	1,622.8	4.43	4060925	06-00054	N/A
North Lauderdale, city of	98.1	110.9	121.3	119.7	114.5	106.7	119.4	115.7	109.7	110.8	105.0	105.5	1,337.3	3.65	4060976	06-00004	N/A
North Springs Imp. District	44.2	44.8	49.0	50.8	50.6	47.0	52.3	50.1	47.3	47.1	52.1	54.9	590.2	1.61	4064390	06-00274	N/A
Parkland Utilities	4.8	6.4	6.8	6.7	6.6	6.5	6.4	6.7	7.2	6.3	7.0	8.3	79.7	0.22	4061957	06-00242	N/A
Pembroke Pines, city of	295.6	281.9	299.6	294.1	286.6	275.7	300.7	299.2	290.8	299.2	315.0	315.8	3,554.2	9.71	4061083	06-00135	N/A
Plantation, city of													5,233.9	14.30			N/A
Central	404.0	384.9	419.3	404.2	407.7	382.7	412.3	418.2	400.1	396.9	406.1	416.6	4,853.0		4061121	06-00103	
East	35.1	41.8	29.9	48.5	29.9	11.5	47.9	23.4	17.8	12.8	37.7	44.6	380.9		4061121	06-00044	
Pompano Beach, city of	504.2	519.9	578.0	615.7	580.4	489.9	576.2	527.0	470.7	474.5	522.7	545.0	6,404.2	17.50	4061129	06-00070	N/A
Royal Utilities (University)	11.6	12.8	12.9	12.5	11.2	9.9	11.6	10.9	10.1	10.6	11.8	13.0	138.9	0.38	4061517	06-00003	N/A
Seminole Industries	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00		06-00001	N/A
South Broward Utilities	23.0	23.2	23.4	26.8	22.1	19.1	28.2	24.9	26.8	22.1	27.3	31.1	298.0	0.81	4064326	06-00435	N/A
Sunrise, city of													7,202.1	19.68			N/A
Wellfield I (Springtree)	466.6	473.9	486.0	510.0	501.3	481.0	541.9	541.5	508.9	507.3	532.9	552.4	6,103.7		4061410	06-00120	
Wellfield II (Park City)	117.3	110.1	116.9	120.4	109.1	59.8	75.8	63.9	63.2	65.9	90.0	106.0	1,098.4		4061407	06-00120	
Tamarac, city of	184.2	174.8	191.4	177.3	182.2	161.2	178.2	174.0	169.1	170.8	106.3	201.7	2,071.2	5.66	4061429	06-00071	N/A
Monthly totals	7,144.3	7,053.9	7,489.1	7,549.0	7,198.3	6,438.3	7,625.2	7,321.7	6,815.9	6,732.0	7,212.1	7,560.2	86,140.0	**235.35**			1,379,450

Mgal/d, million gallons per day; N/A, Data not available.
Italic values are estimated.
Broward County Water and Sewer North Regional System provides water to Hallendale and others, and is not accounted for directly in the totals.
Sources; The U.S. Geological Survey (Tallahassee), Broward County Public Health Unit, South Florida Water Management District.

Total population	1,392,252
Population served	1,379,450
Public supply per capita	171
Self-supplied pop.	12,802
Self-supplied water use	2.19

Monthly Public-Supply Water Use (withdrawals) in Broward County, 1997
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	**Mgal/d**	FDEP PWS ID#	WMD Permit #	Pop. served
Broward County Water and Sewer													10,310.0	28.25			N/A
District 2A	232.8	221.5	256.3	224.3	254.4	183.3	235.1	221.7	187.0	227.7	246.9	214.3	2,705.3		4060163	06-00142	
District 3A	53.2	50.2	56.2	50.5	49.2	41.6	49.5	52.4	44.1	48.8	53.8	52.6	602.0		4060165	06-00145	
System 1A	249.4	243.4	281.1	268.5	279.6	253.4	275.7	276.6	247.3	268.4	257.1	264.5	3,165.0		4060167	06-00146	
South Reg. (Picolo Park)	128.2	122.3	128.7	110.0	125.5	108.1	127.9	118.7	99.9	100.7	115.6	72.5	1,358.1			06-01474	
North Regional	211.7	192.0	212.3	206.5	213.4	203.7	211.3	209.7	203.6	214.0	188.2	213.2	2,479.6			06-01634	
Cooper City, city of													1,193.8	3.27	4060282	06-00365	N/A
East	34.2	29.3	33.8	36.7	39.1	34.3	37.6	40.1	40.1	42.2	41.1	35.6	444.1				
West	75.3	70.5	79.0	68.7	77.9	64.2	60.8	55.5	34.2	54.5	54.4	54.7	749.7				
Coral Springs Imp. District	141.5	124.6	148.2	136.6	153.9	136.3	139.9	137.8	123.8	126.6	108.2	133.8	1,611.2	4.41	4060291	06-00100	N/A
Coral Springs, city of	239.9	232.1	248.7	235.1	244.4	236.7	235.8	238.1	221.5	244.4	252.2	250.0	2,878.9	7.89	4060290	06-00102	N/A
Dania, city of													1,004.4	2.75	4060253	06-00187	N/A
Purchased	19.0	20.6	17.3	11.9	13.6	6.6	10.2	14.6	1.5	4.4	8.3	5.2	133.2				
Wells	78.0	73.0	69.7	66.3	79.8	70.5	76.4	72.2	65.7	70.9	76.2	72.5	871.2				
Davie, city of													1,151.3	3.15	4060344	06-00134	N/A
Wellfield #1	16.2	15.6	16.2	14.7	18.7	13.5	16.3	17.3	17.3	17.8	16.2	16.0	195.8				
Wellfield #3	78.7	73.5	80.7	79.0	79.9	77.7	81.2	80.7	83.6	81.0	78.0	81.5	955.5				
Deerfield Beach, city of													4,103.4	11.24	4060254	06-00082	N/A
East Wellfield	148.3	144.3	163.6	144.3	149.9	125.9	150.4	140.8	156.4	147.2	140.6	144.3	1,756.0				
West Wellfield	217.0	194.7	216.9	215.1	217.6	169.9	192.5	188.6	144.7	190.5	205.9	194.0	2,347.4				
Ferncrest Utilities	22.3	16.3	22.7	24.8	19.9	18.5	19.9	20.0	19.5	21.9	21.7	20.4	247.9	0.68	4060419	06-00170	N/A
Fort Lauderdale, city of													17,329.6	47.48	4060486	06-00123	N/A
Peel-Dixie Wellfield	227.5	199.6	217.6	215.3	225.1	211.5	216.8	211.2	192.3	191.1	200.0	207.6	2,515.6				
Fiveash Wellfield	1,269.2	1,160.1	1,358.8	1,301.1	1,297.9	1,114.3	1,293.1	1,282.5	1,102.1	1,278.6	1,186.4	1,169.9	14,814.0				
Hallendale, city of													1,966.4	5.39	4060573	06-00138	N/A
Purchased	74.2	64.2	74.7	56.6	65.1	66.2	79.0	71.1	60.8	67.0	78.1	31.8	788.8				
Wells	108.5	100.7	108.5	104.6	105.3	86.3	79.1	96.7	102.3	84.2	81.3	120.1	1,177.6				
Hillsboro Beach, town of	32.8	30.2	35.6	31.8	33.1	28.6	35.2	35.3	31.0	34.5	34.5	32.9	395.5	1.08	4060615	06-00101	N/A
Hollywood, city of	704.4	646.4	700.4	651.3	667.1	627.5	653.4	676.6	605.8	646.2	639.5	655.5	7,874.1	21.57	4060642	06-00038	N/A
Lauderhill, city of	236.4	217.6	260.4	234.4	242.9	214.8	225.9	227.5	209.3	223.8	215.2	221.7	2,729.9	7.48	4060787	06-00129	N/A
Margate, city of	268.3	256.1	293.5	290.4	297.3	246.0	269.1	254.3	239.5	251.7	241.4	249.9	3,157.5	8.65	4060845	06-00121	N/A
Miramar, city of	151.2	145.9	155.3	117.8	121.2	127.9	123.3	113.9	110.1	83.0	61.3	58.8	1,369.7	3.75	4060925	06-00054	N/A
North Lauderdale, city of	91.2	86.3	98.7	94.1	91.8	77.0	83.5	76.4	82.0	84.7	80.5	83.4	1,029.6	2.82	4060976	06-00004	N/A
North Springs Imp. District	53.8	51.5	57.0	57.3	60.0	53.5	55.5	56.7	56.3	61.3	62.6	59.5	685.0	1.88	4064390	06-00274	N/A
Parkland Utilities	8.6	7.2	11.5	8.2	8.5	7.9	8.3	9.0	7.4	7.4	7.7	7.9	99.6	0.27	4061957	06-00242	N/A
Pembroke Pines, city of	310.9	281.5	316.6	307.3	320.9	298.2	309.4	308.8	302.2	313.0	312.7	316.9	3,698.4	10.13	4061083	06-00135	N/A
Plantation, city of													5,106.6	13.99			N/A
Central	400.9	371.7	420.6	388.2	410.0	390.6	410.4	404.4	391.1	412.8	407.4	397.0	4,805.1		4061121	06-00103	
East	36.7	33.2	34.4	41.8	43.4	17.0	14.5	24.6	8.6	10.5	10.9	25.9	301.5		4061121	06-00044	
Pompano Beach, city of	527.4	484.3	567.8	519.3	563.6	479.2	573.5	491.4	429.0	505.3	511.3	509.3	6,161.4	16.88	4061129	06-00070	N/A
Royal Utilities (University)	12.7	12.0	12.9	12.6	13.1	10.2	11.6	12.3	10.5	11.0	12.6	11.5	143.0	0.39	4061517	06-00003	N/A
Seminole Industries	12.7	12.6	14.8	11.4	10.9	9.4	10.5	9.6	10.0	10.8	13.5	13.4	139.6	0.38		06-00001	N/A
South Broward Utilities	27.3	24.6	28.4	26.8	30.1	23.0	24.3	24.2	23.7	27.3	27.0	26.7	313.4	0.86	4064326	06-00435	N/A
Sunrise, city of													7,566.9	20.73			N/A
Wellfield I (Springtree)	548.2	496.3	566.6	576.7	587.7	519.5	532.8	528.0	488.8	525.8	529.3	531.7	6,431.4		4061410	06-00120	
Wellfield II (Park City)	95.8	88.9	105.3	77.7	85.9	60.7	97.0	105.0	101.4	104.5	107.8	105.5	1,135.5		4061407	06-00120	
Tamarac, city of	196.4	178.9	196.0	185.7	193.6	175.5	186.9	178.7	169.5	185.6	189.9	189.9	2,226.6	6.10	4061429	06-00071	N/A
Monthly totals	7,247.6	6,688.9	7,574.8	7,134.9	7,412.6	6,516.2	7,124.4	6,997.3	6,361.6	6,909.7	6,788.9	6,814.9	83,571.8	**228.94**			1,411,177

Mgal/d, million gallons per day; N/A, data not available; Reg., Regional; Imp., Improvement.
Broward County Water and Sewer provides water to the Cities of Dania and Hallendale, and the withdrawn amount is accounted for under Broward County.
Sources; The U.S. Geological Survey (Tallahassee), Broward County Public Health Unit, South Florida Water Management District.

Total population	1,423,729
Population served	1,411,177
Public supply per capita	162
Self-supplied pop.	12,552
Self-supplied Mgal/d	2.03

Monthly Public-Supply Water Use (withdrawals) in Broward County, 1998
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	**Mgal/d**	FDEP PWS ID#	WMD Permit #	Pop. served
Broward County Water and Sewer													11,362.4	31.13			N/A
District 2A	224.8	209.8	233.6	319.0	329.7	318.3	322.1	349.1	293.9	308.0	263.7	316.4	3,488.4		4060163	06-00142	
District 3A	52.5	54.3	51.3	55.1	49.6	42.7	45.2	40.9	42.8	78.6	55.9	58.2	627.1		4060165	06-00145	
System 1A	255.3	241.2	240.5	285.5	267.3	260.9	243.2	238.6	225.3	243.5	240.6	241.0	2,982.9		4060167	06-00146	
South Reg. (Picolo Park)	75.7	84.9	98.8	126.6	148.3	127.0	122.2	123.9	103.4	407.1	113.0	188.6	1,719.5			06-01474	
North Regional	214.0	195.3	211.2	230.5	214.3	207.4	214.3	214.3	207.4	214.3	207.4	214.3	2,544.5			06-01634	
Cooper City, city of (total)													1,292.0	3.54	4060282	06-00365	N/A
East Wellfield	34.5	31.2	33.5	41.0	25.7	25.0	13.8	4.0	2.9	2.9	4.0	2.9	221.4				
Lime Plant	53.0	55.2	65.4	82.7	48.7	45.1	29.8	24.4	26.3	32.2	31.2	29.8	523.8				
Membrane Plant	0.0	0.0	0.0	0.0	62.6	65.4	63.6	70.7	69.6	69.9	71.9	73.1	546.8				
Coral Springs Imp. District	123.1	118.1	139.8	146.6	153.1	143.3	136.8	133.5	121.7	130.4	129.2	135.7	1,611.3	4.41	4060291	06-00100	N/A
Coral Springs, city of	245.9	245.9	228.7	260.6	253.7	243.5	230.5	234.3	230.0	242.4	236.4	232.5	2,884.4	7.90	4060290	06-00102	N/A
Dania, town of													958.1	2.62	4060253	06-00187	N/A
Purchased	7.8	10.7	16.5	21.6	20.7	20.1	23.4	18.3	14.5	1.2	0.0	5.9	160.6				
Wells	68.6	63.4	73.0	76.7	84.8	78.3	72.0	65.4	62.9	48.0	45.8	58.6	797.5				
Davie, city of													1,248.5	3.42	4060344	06-00134	N/A
Wellfield #1	17.7	12.2	14.9	19.2	22.8	19.0	15.5	16.2	15.9	15.7	14.0	12.4	195.5				
Wellfield #3	80.4	74.3	79.4	89.1	98.0	96.2	88.5	89.4	86.0	92.0	89.0	90.7	1,053.0				
Deerfield Beach, city of													4,281.9	11.73	4060254	06-00082	N/A
East Wellfield	138.7	128.8	126.2	199.1	194.9	85.8	52.9	79.3	82.9	69.7	71.3	58.4	1,288.0				
West Wellfield	185.0	165.6	197.3	219.6	226.7	316.2	309.8	316.7	232.5	267.3	270.0	287.2	2,993.9				
Ferncrest Utilities	19.2	16.5	19.4	21.4	17.8	20.9	24.2	21.4	22.9	21.9	22.5	20.7	248.8	0.68	4060419	06-00170	N/A
Fort Lauderdale, city of													17,526.9	48.02	4060486	06-00123	N/A
Peel-Dixie Wellfield	221.9	200.0	190.2	200.0	153.1	183.7	204.0	199.8	214.9	232.1	220.7	216.6	2,437.0				
Fiveash Wellfield	1,127.1	1,022.3	1,170.4	1,408.7	1,540.3	1,447.0	1,333.0	1,363.6	1,149.4	1,220.2	1,160.6	1,147.3	15,089.9				
Hallandale, city of													1,933.8	5.30	4060573	06-00138	N/A
Purchased	37.4	56.3	58.5	69.7	83.8	69.9	66.3	65.7	56.5	46.4	59.9	70.7	741.1				
Wells	123.5	101.5	117.9	103.6	89.9	95.2	88.0	91.7	81.6	101.9	88.6	109.3	1,192.7				
Hillsboro Beach, town of	32.0	24.4	30.5	36.2	35.7	36.2	33.9	34.5	25.3	30.9	29.4	29.4	378.4	1.04	4060615	06-00101	N/A
Hollywood, city of	682.6	623.6	698.3	741.6	820.7	797.4	770.4	753.4	682.4	751.0	723.7	707.3	8,752.4	23.98	4060642	06-00038	N/A
Lauderhill, city of	222.6	200.3	216.9	214.3	223.9	236.2	239.7	239.2	215.3	223.6	215.7	220.1	2,667.8	7.31	4060787	06-00129	N/A
Margate, city of	247.0	226.0	257.8	310.0	302.5	270.5	244.0	232.4	224.1	246.1	245.7	234.6	3,040.7	8.33	4060845	06-00121	N/A
Miramar, city of													2,243.6	6.15		06-00054	N/A
East Wellfield	61.5	54.2	57.7	65.2	74.5	64.3	61.2	59.0	56.6	58.9	55.2	56.9	725.2		4060925-1		
West Wellfield	120.1	106.3	119.8	133.2	126.5	135.4	129.1	127.3	126.4	129.7	132.1	132.5	1,518.4		4060925-2		
North Lauderdale, city of	80.0	75.4	91.8	110.0	108.1	98.6	88.6	82.0	82.9	91.2	86.6	90.6	1,085.8	2.97	4060976	06-00004	N/A
North Springs Imp. District	59.0	53.4	60.3	78.3	81.9	75.8	69.4	70.4	65.0	70.5	69.4	70.2	823.6	2.26	4064390	06-00274	N/A
Parkland Utilities	8.2	6.9	7.4	7.8	8.4	7.8	7.9	8.5	7.9	8.3	8.1	8.0	95.2	0.26	4061957	06-00242	N/A
Pembroke Pines, city of	340.1	296.9	329.7	358.2	363.7	359.0	340.2	339.8	331.3	340.3	338.6	350.5	4,088.3	11.20	4061083	06-00135	N/A
Plantation, city of													5,377.1	14.73			N/A
Central	275.4	223.5	285.3	392.6	387.4	390.2	372.8	376.1	351.8	385.0	367.0	358.0	4,165.1		4061121	06-00103	
East	142.7	154.2	138.6	108.4	139.7	94.3	72.3	71.9	75.3	64.5	69.7	80.4	1,212.0		4061121	06-00044	
Pompano Beach, city of	508.3	399.2	467.2	562.4	548.2	510.0	467.4	523.7	444.7	497.6	486.5	494.4	5,909.6	16.19	4061129	06-00070	N/A
Royal Utilities (University)	12.4	10.9	12.0	16.5	16.7	15.5	13.8	13.6	12.5	13.2	13.4	13.1	163.6	0.45	4061517	06-00003	N/A
Seminole Industries	14.4	14.4	14.2	14.8	14.9	15.2	13.3	12.4	10.5	11.7	13.0	13.9	162.7	0.45		06-00001	N/A
Sunrise, city of													8,406.3	23.03			N/A
Wellfield I (Springtree)	535.0	508.3	543.1	599.2	603.2	578.2	539.6	548.0	535.4	589.2	550.2	542.9	6,672.3		4061410	06-00120	
Wellfield II (Park City)	103.9	91.1	102.1	137.9	167.4	128.2	109.3	98.2	92.1	98.0	116.6	126.7	1,371.5		4061407	06-00120	
Wellfield III (Southwest)	27.3	24.7	26.9	36.9	38.6	39.2	29.5	27.8	24.9	28.1	28.8	29.8	362.5		4064326	06-00435	
Tamarac, city of	195.3	176.6	212.4	236.1	239.3	224.6	217.9	219.5	189.6	188.7	184.8	179.3	2,464.1	6.75	4061429	06-00071	N/A
Monthly totals	6,928.7	6,290.8	6,963.5	8,044.6	8,282.6	7,897.5	7,429.7	7,515.0	6,826.3	7,624.6	7,070.3	7,232.2	88,105.8	**241.38**			1,447,868

Mgal/d, million gallons per day; N/A, data not available; Reg., Regional; Imp., Improvement.
Broward County Water and Sewer supplied water to the cities of Dania, Hallandale, and Hollywood (December only) during 1998, and the withdrawn amount is accounted for under Broward County but shown under the individual city.
City of Sunrise, Wellfield III - Southwest was formerly South Broward Utilities.
Sources; The U.S. Geological Survey (Tallahassee), Broward County Public Health Unit, South Florida Water Management District.

Total population	1,460,890
Population served	1,447,868
Public supply per capita	167
Self-supplied pop.	13,022
Self-supplied Mgal/d	2.17

Monthly Public-Supply Water Use (withdrawals) in Broward County, 1999
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	**Mgal/d**	FDEP PWS ID#	WMD Permit #	Pop. served
Broward County Water and Sewer													12,535.4	34.34			N/A
District 2A	325.9	243.9	307.8	307.8	277.7	189.2	290.8	249.1	214.1	218.4	246.2	266.0	3,137.0		4060163	06-00142	
District 3A	61.4	56.1	62.4	59.4	61.4	58.2	62.5	60.7	57.5	60.6	57.6	62.2	720.0		4060165	06-00145	
System 1A	254.1	242.2	295.5	314.2	298.1	256.6	286.8	264.5	247.9	256.7	253.5	268.6	3,238.6		4060167	06-00146	
South Reg. (Picolo Park)	232.4	279.3	364.3	291.5	239.7	184.2	216.9	205.3	186.9	197.3	177.0	206.7	2,781.5			06-01474	
North Regional	214.3	193.5	214.3	252.8	249.0	227.3	234.9	221.1	209.3	216.3	209.3	216.3	2,658.3			06-01634	
Cooper City, city of (total)													1,409.0	3.86	4060282	06-00365	N/A
East Wellfield	2.9	2.0	6.3	8.6	5.9	3.0	14.7	3.0	2.0	2.6	2.1	1.7	54.8				
Lime Plant	31.6	39.3	55.6	61.0	47.2	37.0	46.5	47.4	26.4	38.2	33.3	28.0	491.5				
Membrane Plant	69.8	64.8	74.2	81.6	81.1	58.0	94.0	75.2	70.6	53.7	63.1	76.5	862.7				
Coral Springs Imp. District	135.8	124.3	160.0	159.3	147.6	125.4	130.7	131.3	125.9	128.6	131.9	144.4	1,645.2	4.51	4060291	06-00100	N/A
Coral Springs, city of	234.8	222.1	279.1	265.3	259.1	231.0	244.3	238.7	224.5	230.6	232.9	239.3	2,901.7	7.95	4060290	06-00102	N/A
Dania, town of													771.7	2.11	4060253	06-00187	N/A
Purchased	19.7	13.9	22.5	29.0	34.2	15.4	22.7	11.0	7.6	6.5	0.0	2.5	185.0				
Wells	47.2	51.0	55.6	46.5	42.9	45.0	44.4	53.8	51.0	52.7	48.0	48.6	586.7				
Davie, city of													1,274.6	3.49	4060344	06-00134	N/A
Wellfield #1	14.9	15.9	21.0	22.5	22.7	40.8	85.1	70.7	18.0	28.0	17.2	17.8	374.7				
Wellfield #3	90.2	82.6	97.8	99.9	93.5	52.2	0.0	18.7	89.3	85.9	96.3	93.5	899.9				
Deerfield Beach, city of													4,225.4	11.58	4060254	06-00082	N/A
Purchased	18.3	16.1	17.3	16.5	16.5	16.9	18.9	16.7	16.5	17.2	16.8	17.2	204.9				
Wells	323.4	317.8	399.9	409.0	382.7	281.5	366.6	315.4	276.5	287.5	317.2	343.0	4,020.5				
Ferncrest Utilities	19.5	20.1	*22.5*	*21.2*	4.2	16.2	16.9	19.1	17.8	18.5	16.5	17.0	209.5	0.57	4060419	06-00170	N/A
Fort Lauderdale, city of													17,510.3	47.97	4060486	06-00123	N/A
Peel-Dixie Wellfield	198.7	171.1	201.1	179.9	192.4	180.7	189.0	206.3	197.2	159.6	155.7	203.6	2,235.3				
Fiveash Wellfield	1,165.9	1,177.3	1,520.7	1,584.3	1,391.7	1,094.3	1,348.9	1,212.2	1,123.1	1,156.0	1,232.1	1,268.6	15,275.0				
Hallandale, city of													1,927.4	5.28	4060573	06-00138	N/A
Purchased	76.9	71.0	67.2	60.7	61.7	33.7	58.2	56.8	44.5	42.6	55.0	68.9	697.2				
Wells	108.6	97.3	106.0	102.7	107.5	100.3	106.0	88.6	96.0	105.9	104.6	106.7	1,230.2				
Hillsboro Beach, town of	28.4	29.2	37.7	36.3	35.5	36.2	33.7	29.0	24.6	19.4	29.5	33.0	372.5	1.02	4060615	06-00101	N/A
Hollywood, city of													8,930.9	24.47	4060642	06-00038	N/A
Purchased	53.7	82.9	98.4	37.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	272.3				
Wells	670.1	596.4	715.2	794.8	802.4	716.6	774.3	742.6	674.3	696.3	727.5	748.1	8,658.6				
Lauderhill, city of	223.7	208.0	260.3	299.0	256.6	193.0	219.3	234.0	186.8	193.5	177.3	177.1	2,628.6	7.20	4060787	06-00129	N/A
Margate, city of	242.8	247.4	298.3	307.5	270.6	223.4	259.7	252.9	219.6	234.5	246.6	251.1	3,054.4	8.37	4060845	06-00121	N/A
Miramar, city of													2,451.6	6.72		06-00054	N/A
East Wellfield	54.9	46.8	66.6	74.6	67.5	50.6	76.4	69.9	68.4	69.9	74.1	82.0	801.7		4060925-1		
West Wellfield	133.6	124.3	145.2	142.7	141.9	133.3	140.0	140.8	135.6	143.1	141.0	128.4	1,649.9		4060925-2		
North Lauderdale, city of	88.5	77.8	99.5	104.4	96.9	81.9	95.2	88.2	83.4	82.2	83.1	87.4	1,068.5	2.93	4060976	06-00004	N/A
North Springs Imp. District	72.9	64.9	65.9	99.1	96.1	75.1	891.5	861.6	77.9	78.8	83.2	100.7	2,567.7	7.03	4064390	06-00274	N/A
Parkland Utilities	8.1	7.7	9.1	10.2	5.9	7.8	8.0	7.6	7.8	7.4	7.9	8.8	96.3	0.26	4061957	06-00242	N/A
Pembroke Pines, city of	360.9	333.0	396.4	385.3	375.4	346.8	383.1	366.3	363.3	371.6	367.3	374.2	4,423.6	12.12	4061083	06-00135	N/A
Plantation, city of													5,539.3	15.18			N/A
Central	362.2	336.3	389.6	375.8	409.5	324.2	364.4	368.8	352.4	379.7	374.3	393.7	4,430.9		4061121	06-00103	
East	74.9	87.8	133.5	161.8	99.6	84.8	95.9	67.4	67.0	70.7	83.5	81.4	1,108.4		4061121	06-00044	
Pompano Beach, city of	492.0	486.9	576.7	559.7	502.3	437.6	617.4	548.1	505.1	521.7	555.9	568.2	6,371.5	17.46	4061129	06-00070	N/A
Royal Utilities (University)	12.7	12.6	17.2	13.8	15.7	12.7	14.6	13.5	12.0	12.4	13.6	14.1	164.9	0.45	4061517	06-00003	N/A
Seminole Industries	*13.7*	*13.7*	*13.7*	*13.7*	*13.7*	*13.7*	*13.7*	*13.7*	*13.7*	*13.7*	*13.7*	*13.7*	164.4	0.45		06-00001	N/A
Sunrise, city of													8,500.5	23.29			N/A
Wellfield I (Springtree)	578.6	514.4	603.8	621.2	598.2	522.3	601.2	567.3	546.6	536.2	527.4	554.3	6,771.5		4061410	06-00120	
Wellfield II (Park City)	119.7	119.1	182.8	179.0	130.4	85.9	85.3	107.7	99.3	103.9	126.1	112.6	1,451.7		4061407	06-00120	
Wellfield III (Southwest)	29.3	28.4	41.4	59.5	35.6	22.5	27.6	8.0	3.6	1.2	5.9	14.3	277.3		4064326	06-00435	
Tamarac, city of	188.2	187.3	235.6	222.1	196.0	168.6	178.8	172.4	164.1	170.9	194.2	207.4	2,285.6	6.26	4061429	06-00071	N/A
Monthly totals	7,286.5	6,922.6	8,532.6	8,728.1	8,054.2	6,718.0	8,659.2	8,140.7	6,839.6	7,004.2	7,226.6	7,559.0	91,671.3	**251.15**			1,476,400

Italic values are estimated.
Mgal/d, million gallons per day; N/A, data not available; Reg., Regional; Imp., Improvement.
Broward County Water and Sewer supplied 1,360 million gallons to the cities of Dania, Hallandale, and Hollywood during 1999, and the withdrawn amount is accounted for under Broward County but shown under the individual city.
Sources; The U.S. Geological Survey (Tallahassee), Broward County Public Health Unit, South Florida Water Management District.

Total population	1,490,289
Population served	1,476,400
Public supply per capita	170
Self-supplied pop.	13,889
Self-supplied Mgal/d	2.36

APPENDIX C
Public Water Supply Pumpage For Miami-Dade County (1996-1999)

Monthly Public-Supply Water Use (withdrawals) in Dade County, 1996
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	**Mgal/d**	FDEP PWS ID#	WMD Permit #	Population served
Americana Village	7.1	6.7	8.0	9.0	7.0	6.7	8.4	6.2	6.4	6.6	8.0	6.6	86.7	0.24	4131403		-
Florida City, city of	77.9	75.8	78.3	83.0	78.2	74.6	81.5	94.0	76.0	76.9	77.0	81.3	954.5	2.62	4130255	13-00029	-
Jones Trailer Park	0.7	0.6	0.8	0.8	0.8	0.9	0.8	0.9	0.8	0.7	0.7	0.7	9.2	0.03	4130833		-
Homestead, city of													2,718.1	7.45	4130645	13-00046	-
Harris Field	93.9	78.0	87.5	86.5	82.0	77.0	84.2	86.5	75.4	81.1	148.0	74.4	1,054.5				
Wittkop Park	135.4	144.4	138.7	125.9	138.8	135.7	147.7	157.4	178.8	168.2	103.6	89.0	1,663.6				
Miami-Dade Water and Sewer Authority													125,560.4	344.00			-
Alexander Orr WTP	5,282.5	5,128.5	5,482.5	5,305.0	5,399.5	5,238.0	5,394.5	5,406.5	5,061.0	5,212.5	5,340.0	5,570.5	63,821.0		4130871	13-00017	
Hialeah WTP	1,736.0	1,451.0	1,645.0	1,540.0	1,695.0	1,638.0	1,617.0	1,694.0	1,589.0	1,557.0	1,529.0	1,511.0	19,202.0		4130871	13-00018	
Preston WTP	3,345.2	3,392.4	3,427.8	3,472.2	3,284.5	3,219.1	3,510.0	3,419.5	3,293.1	3,305.0	3,373.1	3,370.3	40,412.2		4130871	13-00018	
Everglades WTP (Rex)	16.7	21.6	16.7	19.9	18.3	12.5	14.0	16.0	18.1	16.2	16.0	18.1	204.1		4131202	13-00040	
Leisure City WTP (Rex)	114.9	111.6	108.9	111.9	110.9	102.4	110.3	104.4	101.1	99.7	97.2	76.4	1,249.7		4131202	13-00040	
Naranja WTP (Rex)	0.4	0.2	0.2	0.5	0.4	0.5	2.0	0.4	1.0	0.9	0.6	1.2	8.3		4131202	13-00041	
Newton WTP (Rex)	55.6	52.2	53.4	52.6	53.6	50.5	53.1	50.2	47.4	49.7	48.5	48.7	615.5		4131202	13-00042	
Redavo WTP (Rex)	1.0	1.0	1.0	1.1	0.9	0.9	1.2	0.8	0.7	0.7	0.9	0.9	11.1		4131202	13-00043	
Water Tank WTP (Rex)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	30.8	36.5		4131202	13-00044	
North Miami, city of	215.3	201.2	216.2	209.6	214.9	202.7	223.4	218.1	202.2	205.8	206.0	209.3	2,524.7	6.92	4130977	13-00059	-
North Miami Beach, city of	458.2	454.4	478.2	451.1	471.0	420.0	437.0	452.6	387.0	418.5	429.0	450.2	5,307.2	14.54	4131618	13-00060	-
Florida Keys Aqueduct Authority																	
Florida City Wellfield	449.1	448.8	484.7	465.5	455.2	418.9	445.6	445.2	387.0	387.7	430.7	448.6	5,267.0	14.43	4134357	13-00005	
Monthly total withdrawn	11,989.9	11,568.4	12,227.9	11,934.6	12,011.0	11,598.4	12,130.7	12,152.7	11,425.0	11,587.2	11,814.0	11,988.0	142,427.8	**390.23**	Water withdrawn		**1,966,550**
Exported to Monroe County	449.1	448.8	484.7	465.5	455.2	418.9	445.6	445.2	387.0	387.7	430.7	448.6	5,267.0	14.43	Exported to Monroe County		
Used in Dade County	11,540.8	11,119.6	11,743.2	11,469.1	11,555.8	11,179.5	11,685.1	11,707.5	11,038.0	11,199.5	11,383.3	11,539.4	137,160.8	**375.80**	Net used in Dade County		

Total Population	2,043,316
Population served	1,966,550
Per capita	191
Self-supplied pop.	76,766
Self-supplied Mgal/d	14.66

Mgal/d, Million gallons per day; WTP, Water Treatment Plant; N/A, data not available.
Sources; The U.S. Geological Survey (Tallahassee), Dade County Health Department (Environmental Services), and the South Florida Water Management District (West Palm Beach).

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Monthly Public-Supply Water Use (withdrawals) in Dade County, 1997
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	**Mgal/d**	FDEP PWS ID#	WMD Permit #	Population served
Americana Village	7.2	8.1	7.2	6.7	7.0	6.6	7.6	6.9	6.3	7.5	7.7	7.2	86.0	0.24	4131403		N/A
Florida City, city of	81.8	75.6	83.5	75.4	69.3	63.7	66.5	69.5	64.6	66.1	63.3	67.2	846.5	2.32	4130255	13-00029	N/A
Jones Trailer Park	0.9	0.7	0.8	0.8	0.9	0.8	0.8	0.9	0.9	0.9	0.8	0.7	9.9	0.03	4130833		N/A
Homestead, city of													2,610.3	7.15	4130645	13-00046	N/A
Harris Field	74.6	144.8	159.0	155.1	159.8	135.1	159.5	158.7	153.9	159.6	154.4	74.0	1,688.5				
Wittkop Park	93.0	83.0	94.9	81.8	74.0	100.5	74.3	68.4	61.0	67.5	66.0	57.4	921.8				
Miami-Dade Water and Sewer Authority													124,239.4	340.38			N/A
Alexander Orr WTP	5,527.5	4,893.0	5,389.5	5,157.0	5,408.5	5,201.3	5,209.5	5,215.5	5,096.0	5,329.5	5,042.0	5,139.5	62,608.8		4130871	13-00017	
Hialeah WTP	1,640.0	1,299.0	1,794.0	1,715.0	1,800.0	1,701.0	1,751.0	1,715.0	1,592.0	1,625.0	1,555.0	1,623.0	19,810.0		4130871	13-00018	
Preston WTP	3,331.0	3,205.0	3,358.9	3,289.3	3,298.0	3,157.7	3,531.6	3,574.4	3,209.2	3,304.5	3,161.6	3,194.5	39,615.7		4130871	13-00018	
Everglades WTP (Rex)	18.0	16.4	18.6	18.4	19.2	17.3	17.8	14.8	14.9	16.3	14.4	16.0	202.1		4131202-4	13-00040	
Leisure City WTP (Rex)	91.7	80.0	87.5	76.7	81.7	80.8	81.7	80.7	80.8	83.7	79.4	85.3	990.0		4131202-1	13-00040	
Naranja WTP (Rex)	4.4	5.8	5.4	4.8	3.3	3.1	0.5	3.7	0.4	6.3	5.2	5.9	48.8		4131202-5	13-00041	
Newton WTP (Rex)	47.6	44.0	45.6	46.2	46.6	41.9	41.6	41.1	41.6	44.9	42.9	46.4	530.4		4131202-2	13-00042	
Redavo WTP (Rex)	0.9	0.8	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.5		4131206	13-00043	
Water Tank WTP (Rex)	25.7	25.1	31.5	39.2	40.5	38.4	37.2	38.4	33.2	34.7	37.4	47.8	429.1		4131202-3	13-00044	
North Miami, city of	205.4	184.3	212.1	225.1	250.1	234.9	237.1	245.1	233.2	255.0	253.2	255.5	2,791.0	7.65	4130977	13-00059	N/A
North Miami Beach, city of	446.2	413.7	454.8	424.1	461.1	396.9	427.3	429.3	370.9	436.4	417.7	414.7	5,093.1	13.95	4131618	13-00060	N/A
Florida Keys Aqueduct Authority																	
Florida City Wellfield	459.3	446.5	518.4	480.8	484.3	426.9	446.4	460.1	371.8	422.3	422.8	416.9	5,356.5	14.68	4134357	13-00005	
Monthly totals	**12,055.2**	**10,925.8**	**12,262.7**	**11,797.4**	**12,204.3**	**11,606.9**	**12,090.4**	**12,122.5**	**11,330.7**	**11,860.2**	**11,323.8**	**11,452.8**	**141,032.7**	**386.40**	Water withdrawn		**1,986,350**
Exported to Monroe County	459.3	446.5	518.4	480.8	484.3	426.9	446.4	460.1	371.8	422.3	422.8	416.9	5,356.5	14.68	Exported to Monroe County		
Net Used in Dade County	11,595.9	10,479.3	11,744.3	11,316.6	11,720.0	11,180.0	11,644.0	11,662.4	10,958.9	11,437.9	10,901.0	11,035.9	135,676.2	**371.72**	Net used in Dade County		

Total Population	2,070,573
Population served	1,986,350
Per capita	187
Self-supplied pop.	84,223
Self-supplied Mgal/d	15.75

Mgal/d, Million gallons per day; N/A, data not available; WTP, Water Treatment Plant.
Sources; The U.S. Geological Survey (Tallahassee), Dade County Health Department,
and the South Florida Water Management District (West Palm Beach).

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Monthly Public-Supply Water Use (withdrawals) in Dade County, 1998
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	**Mgal/d**	FDEP PWS ID#	WMD Permit #	Population served
Americana Village	7.9	6.4	8.1	11.1	9.1	8.7	9.4	9.3	*9.0*	*9.0*	*9.0*	*9.0*	106.0	0.29	4131403		N/A
Florida City, city of	70.2	62.6	68.1	66.1	68.9	67.4	66.9	65.5	64.2	75.1	72.1	77.5	824.6	2.26	4130255	13-00029	N/A
Jones Trailer Park	0.8	0.7	0.8	0.8	1.0	0.9	0.9	0.9	0.8	1.1	1.1	1.0	10.8	0.03	4130833		N/A
Homestead, city of													2,724.7	7.46	4130645	13-00046	N/A
Harris Field	157.7	143.7	167.0	160.5	166.2	159.8	125.1	91.4	95.5	81.9	87.1	81.4	1,517.3				
Wittkop Park	61.2	52.8	59.3	63.6	69.7	69.4	104.9	140.9	134.8	157.6	141.6	151.6	1,207.4				
Miami-Dade Water and Sewer Authority													125,577.7	344.05			N/A
Alexander Orr WTP	5,241.5	4,681.5	5,251.5	5,309.0	5,363.5	5,341.0	5,408.5	5,345.5	5,096.0	5,386.5	5,080.0	5,133.5	62,638.0		4130871	13-00017	
Hialeah WTP	1,589.0	1,423.0	1,589.0	1,643.0	1,694.0	1,768.0	1,783.0	1,722.0	1,595.0	1,710.0	1,678.0	1,711.0	19,905.0		4130871	13-00018	
Preston WTP	3,200.6	2,884.3	3,267.0	3,483.8	3,673.4	3,560.5	3,682.8	3,487.6	3,285.0	3,394.6	3,396.6	3,415.0	40,731.2		4130871	13-00018	
Everglades WTP (Rex)	17.5	16.1	18.8	19.3	19.8	19.1	19.0	19.4	18.6	19.1	18.8	20.3	225.8		4131202-4	13-00040	
Leisure City WTP (Rex)	85.4	76.1	85.5	84.1	86.3	79.1	76.7	86.9	89.4	90.3	81.6	83.8	1,005.2		4131202-1	13-00040	
Naranja WTP (Rex)	5.8	0.0	3.2	3.2	0.0	0.0	2.5	14.9	7.1	5.8	5.3	5.9	53.7		4131202-5	13-00041	
Newton WTP (Rex)	46.4	42.4	46.8	44.9	47.5	50.0	49.8	43.9	44.7	47.3	47.6	49.1	560.4		4131202-2	13-00042	
Redavo WTP (Rex)	0.8	0.0	0.2	0.2	0.0	0.0	0.3	2.4	1.0	0.7	0.7	0.8	7.1		4131206	13-00043	
Water Tank WTP (Rex)	32.4	33.7	40.3	43.0	41.7	37.9	40.1	34.9	29.7	35.1	40.4	42.1	451.3		4131202-3	13-00044	
North Miami, city of	255.5	225.7	248.8	258.0	270.5	274.2	269.4	243.8	196.6	171.3	210.4	214.9	2,839.1	7.78	4130977	13-00059	N/A
North Miami Beach, city of	398.3	339.0	378.4	384.7	416.9	416.5	420.3	444.5	401.6	378.2	353.0	428.1	4,759.5	13.04	4131618	13-00060	N/A
Florida Keys Aqueduct Authority																	
Florida City Wellfield	456.9	409.5	467.5	499.7	504.6	494.3	494.4	478.0	410.9	462.4	461.1	490.7	5,630.0	15.42	4134357	13-00005	
Monthly totals	**11,627.9**	**10,397.5**	**11,700.3**	**12,075.0**	**12,433.1**	**12,346.8**	**12,554.0**	**12,231.8**	**11,479.9**	**12,026.0**	**11,684.4**	**11,915.7**	**142,472.4**	**390.33**	Water withdrawn		**2,006,214**
Exported to Monroe County	456.9	409.5	467.5	499.7	504.6	494.3	494.4	478.0	410.9	462.4	461.1	490.7	5,630.0	15.42	Exported to Monroe County		
Net used in Dade County	11,171.0	9,988.0	11,232.8	11,575.3	11,928.5	11,852.5	12,059.6	11,753.8	11,069.0	11,563.6	11,223.3	11,425.0	136,842.4	**374.91**	Net used in Dade County		

Total Population	2,090,314
Population served	2,006,214
Per capita	187
Self-supplied pop.	84,100
Self-supplied Mgal/d	15.73

Italic values are estimated.
Mgal/d, Million gallons per day; N/A, data not available; WTP, Water Treatment Plant.
Sources; The U.S. Geological Survey (Tallahassee), Dade County Health Department, and the South Florida Water Management District (West Palm Beach).

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Monthly Public-Supply Water Use (withdrawals) in Dade County, 1999
(Monthly values in million gallons)

Utility/Owner/Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	**Mgal/d**	FDEP PWS ID#	WMD Permit #	Population served
Americana Village	4.5	5.2	7.0	8.7	6.0	6.8	5.7	5.2	4.3	4.8	5.0	*5.0*	68.2	0.19	4131403		N/A
Florida City, city of	79.5	73.5	85.9	85.1	76.1	71.3	77.2	75.0	71.9	73.7	72.9	78.9	921.0	2.52	4130255	13-00029	N/A
Jones Trailer Park	1.0	0.8	1.0	0.9	1.2	1.3	1.3	1.2	1.2	1.1	*1.0*	*1.0*	13.0	0.04	4130833		N/A
Homestead, city of													2,838.4	7.78	4130645	13-00046	N/A
Harris Field	84.8	77.1	88.8	79.0	85.4	86.9	82.2	82.7	76.7	80.0	79.2	82.3	985.1				
Wittkop Park	147.4	133.0	150.9	161.5	147.0	143.8	166.3	163.0	155.3	159.3	161.2	164.6	1,853.3				
Miami-Dade Water and Sewer Authority													124,561.2	341.26			N/A
Alexander Orr WTP	5,194.5	4,816.0	5,385.5	5,450.0	5,476.5	4,954.0	5,164.0	5,091.5	4,854.0	5,103.5	5,034.0	5,048.5	61,572.0		4130871	13-00017	
Hialeah WTP	1,316.0	1,555.0	1,833.0	1,727.0	1,700.0	1,728.0	1,594.0	1,790.0	1,749.0	1,790.0	1,717.0	1,787.0	20,286.0		4130871	13-00018	
Preston WTP	3,673.6	3,139.7	3,675.2	3,773.6	3,541.9	2,979.2	3,462.3	3,357.0	3,068.6	3,187.0	3,168.1	3,231.8	40,258.0		4130871	13-00018	
Everglades WTP (Rex)	21.8	22.6	27.9	34.0	27.3	23.7	27.9	32.3	25.2	23.1	29.4	31.5	326.7		4131202-4	13-00040	
Leisure City WTP (Rex)	86.5	82.5	87.7	92.2	93.3	84.5	88.9	85.7	87.1	86.9	83.1	90.1	1,048.5		4131202-1	13-00040	
Naranja WTP (Rex)	0.8	0.8	0.7	0.7	0.9	0.7	0.7	1.5	0.7	0.9	0.8	11.6	20.8		4131202-5	13-00041	
Newton WTP (Rex)	47.1	41.5	45.3	44.2	47.1	48.6	49.0	42.3	40.2	41.9	36.9	38.7	522.8		4131202-2	13-00042	
Redavo WTP (Rex)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		4131206	13-00043	
Water Tank WTP (Rex)	45.3	42.1	47.4	46.8	42.5	45.9	44.5	50.4	43.0	41.8	47.0	29.7	526.4		4131202-3	13-00044	
North Miami, city of	216.7	224.7	268.4	248.4	229.3	205.2	230.8	230.5	200.1	225.5	241.9	215.5	2,737.1	7.50	4130977	13-00059	N/A
North Miami Beach, city of	430.6	399.1	427.9	450.8	456.7	405.6	436.4	426.8	407.1	363.6	410.8	425.4	5,040.8	13.81	4131618	13-00060	N/A
Florida Keys Aqueduct Authority																	
Florida City Wellfield	504.6	482.2	552.8	578.5	557.5	455.3	505.0	493.7	416.5	435.6	474.4	496.7	5,952.8	16.31	4134357	13-00005	
Monthly totals	**11,854.8**	**11,095.8**	**12,685.4**	**12,781.4**	**12,488.7**	**11,240.8**	**11,936.2**	**11,928.8**	**11,200.8**	**11,618.8**	**11,562.7**	**11,738.3**	**142,132.5**	**389.41**	Water withdrawn		**2,024,450**
Exported to Monroe County	504.6	482.2	552.8	578.5	557.5	455.3	505.0	493.7	416.5	435.6	474.4	496.7	5,952.8	16.31	Exported to Monroe County		
Net used in Dade County	11,350.2	10,613.6	12,132.6	12,202.9	11,931.2	10,785.5	11,431.2	11,435.1	10,784.4	11,183.1	11,088.3	11,241.6	136,179.7	**373.10**	Net used in Dade County		

Italic values are estimated.
Miami-Dade Water and Sewer Authority Redavo WTP went off-line in 1998.
Mgal/d, Million gallons per day; N/A, data not available; WTP, Water Treatment Plant.
Sources; The U.S. Geological Survey (Tallahassee), Dade County Health Department (Miami), and the South Florida Water Management District (West Palm Beach).

Total Population	2,126,702
Population served	2,024,450
Per capita	184
Self-supplied pop.	102,252
Self-supplied Mgal/d	18.81

APPENDIX D
Public Water Supply Pumpage For Palm Beach County (2000)

PERMIT_NO	PWS_DATE	RAW_TOTAL_MONTH_PUMPAGE	TREATED_TOTAL_MONTH_PUMPAGE	WELL_NO
50-00010-W	Jan-00	318.86	452.691	00
50-00010-W	Jan-00	149.897	121.169	01
50-00010-W	Feb-00	314.052	423.059	00
50-00010-W	Feb-00	114.838	92.868	01
50-00010-W	Mar-00	156.474	125.853	00
50-00010-W	Mar-00	125.853		01
50-00010-W	Apr-00	298.471	428.11	00
50-00010-W	Apr-00	137.933	109.728	01
50-00010-W	May-00	348.242	511.234	00
50-00010-W	May-00	178.502	143.185	01
50-00010-W	Jun-00	336.488	520.389	00
50-00010-W	Jun-00	159.155	13.271	01
50-00010-W	Jul-00	291.179	458.955	00
50-00010-W	Jul-00	196.616	159.155	01
50-00010-W	Aug-00	172.994	485.491	00
50-00010-W	Aug-00	337.891	272.652	01
50-00010-W	Sep-00	236.279	470.483	00
50-00010-W	Sep-00	255.264	204.347	01
50-00010-W	Oct-00	200.471	436.834	00
50-00010-W	Oct-00	259.134	209.197	01
50-00010-W	Nov-00	254.517	466.877	00
50-00010-W	Nov-00	229.247	184.06	01
50-00010-W	Dec-00	286.11	445.316	00
50-00010-W	Dec-00	175.178	140.945	01
50-00030-W	Jan-00		18.38	00
50-00030-W	Feb-00		16.89	00
50-00030-W	Mar-00		18.55	00
50-00030-W	Apr-00		17.25	00
50-00030-W	May-00		20.14	00
50-00030-W	Jun-00		19.69	00
50-00030-W	Jul-00		17.5	00
50-00030-W	Aug-00		21.18	00
50-00030-W	Sep-00		21.34	00
50-00030-W	Oct-00		21.69	00
50-00030-W	Nov-00	19.47	18.75	00
50-00030-W	Dec-00	19.427	19.42	00
50-00036-W	Jan-00	70.079	47.359	00
50-00036-W	Jan-00	58.351	54.323	01
50-00036-W	Feb-00	70.467	50.258	00
50-00036-W	Feb-00	54.704	50.041	01
50-00036-W	Mar-00	79.932	56.771	00
50-00036-W	Mar-00	58.581	53.557	01
50-00036-W	Apr-00	74.839	51.038	00
50-00036-W	Apr-00	55.798	51.597	01
50-00036-W	May-00	93.898	69.428	00
50-00036-W	May-00	58.73	52.652	01
50-00036-W	Jun-00	78.239	55.006	00
50-00036-W	Jun-00	56.443	50.21	01
50-00036-W	Jul-00	66.529	53.721	00
50-00036-W	Jul-00	59.2	52.252	01
50-00036-W	Aug-00	77.028	73.219	00
50-00036-W	Aug-00	56.766	51.001	01
50-00036-W	Sep-00	68.873	64.824	00
50-00036-W	Sep-00	56.465	49.253	01
50-00036-W	Oct-00	72.24	68.253	00

50-00036-W	Oct-00	57.111	51.023	01
50-00036-W	Nov-00	74.378	70.669	00
50-00036-W	Nov-00	54.373	48.562	01
50-00036-W	Dec-00	72.927	66.991	00
50-00036-W	Dec-00	57.073	52.732	01
50-00046-W	Jan-00	39.198	37.218	01
50-00046-W	Jan-00	53.918		02
50-00046-W	Feb-00	44.758	41.329	01
50-00046-W	Feb-00	46.13		02
50-00046-W	Feb-00	2.851		03
50-00046-W	Mar-00	53.648	56.827	01
50-00046-W	Mar-00	46.068		02
50-00046-W	Mar-00	13.029		03
50-00046-W	Apr-00	33.095		01
50-00046-W	Apr-00	37.004		03
50-00046-W	May-00	34.698		01
50-00046-W	May-00	34.783		03
50-00046-W	Jun-00	39.245		01
50-00046-W	Jun-00	23.029		03
50-00046-W	Jul-00	33.143		01
50-00046-W	Jul-00	50.253		02
50-00046-W	Jul-00	18.071		03
50-00046-W	Aug-00	34.39		01
50-00046-W	Aug-00	47.224		02
50-00046-W	Aug-00	32.317		03
50-00046-W	Sep-00	36.567		01
50-00046-W	Sep-00	39.541		02
50-00046-W	Sep-00	29.545		03
50-00046-W	Oct-00	28.619		01
50-00046-W	Oct-00	45.336		02
50-00046-W	Oct-00	25.618		03
50-00046-W	Nov-00	32.836		01
50-00046-W	Nov-00	36.706		02
50-00046-W	Nov-00	39.455		03
50-00046-W	Dec-00	35.898		01
50-00046-W	Dec-00	47.554		02
50-00046-W	Dec-00	12.097		03
50-00131-W	Jan-00	24.251	21.79	00
50-00131-W	Feb-00	22.687	20.54	00
50-00131-W	Mar-00	24.109	21.333	00
50-00131-W	Apr-00	23.457	20.892	00
50-00131-W	May-00	24.742	21.834	00
50-00131-W	Jun-00	22.915	19.277	00
50-00131-W	Jul-00	22.879	19.754	00
50-00131-W	Aug-00	23.935	20.676	00
50-00131-W	Sep-00	22.513	19.747	00
50-00131-W	Oct-00	24.401	21.327	00
50-00131-W	Nov-00	24.94	22.115	00
50-00131-W	Dec-00	25.915	22.719	00
50-00135-W	Jan-00	378.864		01
50-00135-W	Jan-00	0		02
50-00135-W	Jan-00	286.466		04
50-00135-W	Jan-00	404.91		05
50-00135-W	Jan-00	286.466		06
50-00135-W	Jan-00	0		07
50-00135-W	Feb-00	359.958		01
50-00135-W	Feb-00	0		02

50-00135-W	Feb-00	270.024	04
50-00135-W	Feb-00	404.91	05
50-00135-W	Feb-00	286.466	06
50-00135-W	Feb-00	0	07
50-00135-W	Mar-00	455.951	01
50-00135-W	Mar-00	0	02
50-00135-W	Mar-00	329.473	04
50-00135-W	Mar-00	366.67	05
50-00135-W	Mar-00	384.013	06
50-00135-W	Mar-00	0	07
50-00135-W	Apr-00	409.723	01
50-00135-W	Apr-00	0	02
50-00135-W	Apr-00	298.359	04
50-00135-W	Apr-00	409.727	05
50-00135-W	Apr-00	409.123	06
50-00135-W	May-00	490.839	01
50-00135-W	May-00	0	02
50-00135-W	May-00	357.88	04
50-00135-W	May-00	404.069	05
50-00135-W	May-00	366.792	06
50-00135-W	May-00	0	07
50-00135-W	Jun-00	394.105	01
50-00135-W	Jun-00	0	02
50-00135-W	Jun-00	320.371	04
50-00135-W	Jun-00	311.53	05
50-00135-W	Jun-00	278.52	06
50-00135-W	Jun-00	0	07
50-00135-W	Jul-00	418.456	01
50-00135-W	Jul-00	0	02
50-00135-W	Jul-00	291.251	03
50-00135-W	Jul-00	208.84	04
50-00135-W	Jul-00	316.3	05
50-00135-W	Jul-00	0	07
50-00135-W	Aug-00	419.987	01
50-00135-W	Aug-00	0	02
50-00135-W	Aug-00	273.578	04
50-00135-W	Aug-00	338.754	05
50-00135-W	Aug-00	273.375	06
50-00135-W	Aug-00	0	07
50-00135-W	Sep-00	378.708	01
50-00135-W	Sep-00	0	02
50-00135-W	Sep-00	250.381	04
50-00135-W	Sep-00	288.68	05
50-00135-W	Sep-00	291.681	06
50-00135-W	Sep-00	0	07
50-00135-W	Oct-00	435.905	01
50-00135-W	Oct-00	0	02
50-00135-W	Oct-00	249.101	04
50-00135-W	Oct-00	336.546	05
50-00135-W	Oct-00	299.806	06
50-00135-W	Oct-00	0	07
50-00135-W	Nov-00	455.413	01
50-00135-W	Nov-00	0	02
50-00135-W	Nov-00	293.378	04
50-00135-W	Nov-00	370.01	05
50-00135-W	Nov-00	341.672	06
50-00135-W	Nov-00	0	07

50-00135-W	Dec-00	457.956		01
50-00135-W	Dec-00	0		02
50-00135-W	Dec-00	283.014		04
50-00135-W	Dec-00	355.384		05
50-00135-W	Dec-00	339.382		06
50-00135-W	Dec-00	0		07
50-00137-W	Jan-00	3.095		00
50-00137-W	Feb-00	3.599		00
50-00137-W	Mar-00	4.023		00
50-00137-W	Apr-00	3.326		00
50-00137-W	May-00	4.131		00
50-00137-W	Jun-00	3.199		00
50-00137-W	Sep-00	2.683		00
50-00137-W	Oct-00	2.696		00
50-00137-W	Nov-00	3.724		00
50-00137-W	Dec-00	3.004		00
50-00177-W	Jan-00	471.303	481.66	00
50-00177-W	Feb-00	454.126	454.602	00
50-00177-W	Mar-00	568.71	522.901	00
50-00177-W	Apr-00	525.424	492.099	00
50-00177-W	May-00	689.192	605.24	00
50-00177-W	Jun-00	637.253	578.764	00
50-00177-W	Jul-00	613.681	543.964	00
50-00177-W	Aug-00	572.032	537.232	00
50-00177-W	Sep-00	481.337	467.646	00
50-00177-W	Sep-00	42.827		01
50-00177-W	Oct-00	454.149	426.546	00
50-00177-W	Oct-00	0		01
50-00177-W	Nov-00	539.929	477.493	00
50-00177-W	Nov-00	0		01
50-00177-W	Dec-00	489.32	443.224	00
50-00177-W	Dec-00	0.033		01
50-00177-W	Dec-00	2.814		02
50-00234-W	Jan-00	217.483	204.07	00
50-00234-W	Feb-00	205.522	194.036	00
50-00234-W	Mar-00	224.087	217.222	00
50-00234-W	Apr-00	216.311	208.612	00
50-00234-W	May-00	264.914	254.985	00
50-00234-W	Jun-00	244.349	230.857	00
50-00234-W	Jul-00	211.661	205.893	00
50-00234-W	Aug-00	235.874	231.469	00
50-00234-W	Sep-00	223.777	218.603	00
50-00234-W	Oct-00	227.167	214.648	00
50-00234-W	Nov-00	227.865	213.072	00
50-00234-W	Dec-00	205.831	195.166	00
50-00346-W	Jan-00	45.164	43.496	00
50-00346-W	Feb-00	44.989	42.751	00
50-00346-W	Mar-00	51.144	48.862	00
50-00346-W	Apr-00	42.78	40.886	00
50-00346-W	May-00	46.022	43.165	00
50-00346-W	Jun-00	40.196	37.529	00
50-00346-W	Jul-00	40.247	37.391	00
50-00346-W	Aug-00	39.111	35.316	00
50-00346-W	Sep-00	37.76	35.181	00
50-00346-W	Oct-00	40.269	38.716	00
50-00346-W	Nov-00	45.677	42.353	00
50-00346-W	Dec-00	44.883	46.222	00

50-00365-W	Jan-00	372.36	371.25	02
50-00365-W	Jan-00	135.503	135.407	03
50-00365-W	Feb-00	354.321	353.15	02
50-00365-W	Feb-00	132.002	131.78	03
50-00365-W	Mar-00	401.766	399.505	02
50-00365-W	Mar-00	146.695	146.547	03
50-00365-W	Apr-00	372.088	369.985	02
50-00365-W	Apr-00	133.518	133.43	03
50-00365-W	May-00	492.354	488.662	02
50-00365-W	May-00	139.123	139.069	03
50-00365-W	Jun-00	460.911	459.82	02
50-00365-W	Jun-00	132.247	131.314	03
50-00365-W	Jul-00	356.853	354.805	02
50-00365-W	Jul-00	137.571	135.608	03
50-00365-W	Aug-00	396.002	392.799	02
50-00365-W	Aug-00	139.581	139.455	03
50-00365-W	Sep-00	365.46	356.28	02
50-00365-W	Sep-00	132.15	131.38	03
50-00365-W	Oct-00	367.172	350.097	02
50-00365-W	Oct-00	139.684	137.192	03
50-00365-W	Nov-00	400.434	389.873	02
50-00365-W	Nov-00	136.381	134.737	03
50-00365-W	Dec-00	389.43	376.93	02
50-00365-W	Dec-00	138.224	136.505	03
50-00367-W	Jan-00	1391.18	1371.57	02
50-00367-W	Feb-00	1289.445	1259.345	02
50-00367-W	Mar-00	1453.615	1421.615	02
50-00367-W	Apr-00	1372.676	1342.666	02
50-00367-W	May-00	1637.42	1606.42	02
50-00367-W	Jun-00	1403.721	1373.721	02
50-00367-W	Jul-00	1281.083	1250.073	02
50-00367-W	Aug-00	1325.97	1294.97	02
50-00367-W	Sep-00	1211.021	1181.021	02
50-00367-W	Oct-00	1166.404	1135.404	02
50-00367-W	Nov-00	1358.253	1328.253	02
50-00367-W	Dec-00	1251.445	1234.087	02
50-00444-W	Jan-00	60.472	76.532	01
50-00444-W	Jan-00		22.664	03
50-00444-W	Feb-00	52.009	69.157	01
50-00444-W	Feb-00		22.018	03
50-00444-W	Mar-00	46.853	57.623	01
50-00444-W	Mar-00		22.693	03
50-00444-W	Apr-00	71.307	89.153	01
50-00444-W	Apr-00		23.045	03
50-00444-W	May-00	92.099	101.838	01
50-00444-W	May-00		23.497	03
50-00444-W	Jun-00	78.718	85.672	01
50-00444-W	Jun-00		16.855	03
50-00444-W	Jul-00	64.613	76.544	01
50-00444-W	Jul-00		17.625	03
50-00444-W	Aug-00	65.982	79.688	01
50-00444-W	Aug-00		22.127	03
50-00444-W	Sep-00	70.381	75.08	01
50-00444-W	Sep-00	13.485	11.692	03
50-00444-W	Oct-00	74.378	68.172	01
50-00444-W	Oct-00	14.202	11.74	03
50-00444-W	Nov-00	70.435	61.706	01

50-00444-W	Nov-00	23.607	20.869	03
50-00444-W	Dec-00	61.878	78.998	01
50-00444-W	Dec-00	26.564	23.534	03
50-00454-W	Jan-00	132.53	130.27	00
50-00454-W	Feb-00	129.7	127.79	00
50-00454-W	Mar-00	141.65	139.11	00
50-00454-W	Apr-00	140.26	137.52	00
50-00454-W	May-00	148.37	145.69	00
50-00454-W	Jun-00	136.12	132.44	00
50-00454-W	Jul-00	125.91	121.74	00
50-00454-W	Aug-00	127.2	123.91	00
50-00454-W	Sep-00	123.6	121.68	00
50-00454-W	Oct-00	131.2	128.86	00
50-00454-W	Nov-00	118.41	115.9	00
50-00454-W	Dec-00	137.01	134.15	00
50-00460-W	Jan-00	230.904	238.13	00
50-00460-W	Feb-00	225.528	231.89	00
50-00460-W	Mar-00	250.31	267.4	00
50-00460-W	Apr-00	243.547	249.8	00
50-00460-W	May-00	294.288	295.47	00
50-00460-W	Jun-00	271.088	279.27	00
50-00460-W	Jul-00	236.834	229.77	00
50-00460-W	Aug-00	254.117	252.76	00
50-00460-W	Sep-00	234.1	230.32	00
50-00460-W	Oct-00	228.42	220.88	00
50-00460-W	Nov-00	239.06	233.93	00
50-00460-W	Dec-00	228.171	219.17	00
50-00464-W	Jan-00	118.935	163.066	00
50-00464-W	Jan-00	60.64		01
50-00464-W	Feb-00	105.923	158.625	00
50-00464-W	Feb-00	68.478	48.903	01
50-00464-W	Mar-00	113.793	172.232	00
50-00464-W	Mar-00	80.658	57.916	01
50-00464-W	Apr-00	111.498	160.55	00
50-00464-W	Apr-00	70.593	50.002	01
50-00464-W	May-00	122.4	196.142	00
50-00464-W	May-00	110.519	78.605	01
50-00464-W	Jun-00	102.158	157.593	00
50-00464-W	Jun-00	81.334	58.713	01
50-00464-W	Jul-00	103.038	135.819	00
50-00464-W	Jul-00	47.347	33.222	01
50-00464-W	Aug-00	95.456	143.543	00
50-00464-W	Aug-00	75.4777	53.077	01
50-00464-W	Sep-00	87.669	133.842	00
50-00464-W	Sep-00	70.879	50.685	01
50-00464-W	Oct-00	96.692	141.091	00
50-00464-W	Oct-00	68.449	47.646	01
50-00464-W	Nov-00	103.678	164.73	00
50-00464-W	Nov-00	86.925	62.285	01
50-00464-W	Dec-00	100.311	155.451	00
50-00464-W	Dec-00	83.056	59.493	01
50-00473-W	Jan-00	23.228		00
50-00473-W	Feb-00	25.5		00
50-00473-W	Mar-00	23.953		00
50-00473-W	Apr-00	23.886		00
50-00473-W	May-00	26.22		00
50-00473-W	Jun-00	24.529		00

50-00473-W	Jul-00	26.2	26.106	00
50-00473-W	Jul-00	26.135		00
50-00473-W	Aug-00	25.909		00
50-00473-W	Sep-00	25.942		00
50-00473-W	Oct-00	25.534	25.134	00
50-00473-W	Nov-00	25.517	25.153	00
50-00473-W	Dec-00	25.76		00
50-00499-W	Jan-00	202.19	200.307	00
50-00499-W	Jan-00	225.591	197.24	01
50-00499-W	Jan-00	44.64		02
50-00499-W	Feb-00	186.53	184.693	00
50-00499-W	Feb-00	283.029	250.92	01
50-00499-W	Mar-00	242.314	239.367	00
50-00499-W	Mar-00	293.736	262.5	01
50-00499-W	Apr-00	240.31	238.715	00
50-00499-W	Apr-00	236.934	212.96	01
50-00499-W	May-00	228.35	226.169	00
50-00499-W	May-00	294.27	264.27	01
50-00499-W	Jun-00	226.92	224.537	00
50-00499-W	Jun-00	258.898	212.95	01
50-00499-W	Jul-00	178.26	176.641	00
50-00499-W	Jul-00	258.7	224.8	01
50-00499-W	Jul-00	30.53		02
50-00499-W	Aug-00	230.31	227.805	00
50-00499-W	Aug-00	259.09	229.85	01
50-00499-W	Aug-00	35.07		02
50-00499-W	Sep-00	196.28	193.227	00
50-00499-W	Sep-00	269.694	240.3	01
50-00499-W	Sep-00	36.87		02
50-00499-W	Oct-00	172.22	170.125	00
50-00499-W	Oct-00	291.655	258.68	01
50-00499-W	Oct-00	40.16		02
50-00499-W	Nov-00	263.52	259.495	00
50-00499-W	Nov-00	219.44	191.33	01
50-00499-W	Nov-00	30.86		02
50-00499-W	Dec-00	151.27	146.96	00
50-00499-W	Dec-00	287.768	251.63	01
50-00499-W	Dec-00	42.05		02
50-00506-W	Jan-00	45.949	38.22	01
50-00506-W	Feb-00	36.928		01
50-00506-W	Mar-00	45.288	45.86	01
50-00506-W	Apr-00	42.797	41	01
50-00506-W	May-00	47.965	47.61	01
50-00506-W	Jun-00	42.847	41.97	01
50-00506-W	Jul-00	39.96	37.63	01
50-00506-W	Aug-00	38.545	37.64	01
50-00506-W	Sep-00	37.089	35.45	01
50-00506-W	Oct-00	34.865	34.63	01
50-00506-W	Nov-00	41.746	39.58	01
50-00506-W	Dec-00	35.854	33.94	01
50-00572-W	Jan-00	6.977		02
50-00572-W	Jan-00	0		01
50-00572-W	Feb-00	0		01
50-00572-W	Feb-00	8.208		02
50-00572-W	Mar-00	0		01
50-00572-W	Mar-00	10.026		02
50-00572-W	Apr-00	7.533		00

50-00572-W	Apr-00	7.533		02
50-00572-W	May-00	0		01
50-00572-W	May-00	11.029		02
50-00572-W	Jul-00	0		01
50-00572-W	Jul-00	6.355		02
50-00572-W	Dec-00	0		01
50-00572-W	Dec-00	6.162		02
50-00575-W	Jan-00	69.159	68.496	00
50-00575-W	Feb-00	66.044	64.962	00
50-00575-W	Mar-00	77.0778	72.259	00
50-00575-W	Apr-00	72.448	67.693	00
50-00575-W	May-00	91.131	81.61	00
50-00575-W	Jun-00	80.418	73.443	00
50-00575-W	Jul-00	69.895	63.414	00
50-00575-W	Aug-00	78.344	71.468	00
50-00575-W	Sep-00	64.162		00
50-00575-W	Oct-00	68.727	64.52	00
50-00575-W	Nov-00	73.803	68.448	00
50-00575-W	Dec-00	68.438	60.057	00
50-00605-W	Jan-00	1.05		00
50-00605-W	Feb-00	1.08		00
50-00605-W	Mar-00	0.998		00
50-00605-W	Apr-00	0.838		00
50-00605-W	May-00	0.933		00
50-00605-W	Jun-00	0.868		00
50-00605-W	Jul-00	0.858		00
50-00605-W	Aug-00	0.819		00
50-00605-W	Sep-00	0.755		00
50-00612-W	May-00			00
50-00612-W	Jul-00	12.794		00
50-00612-W	Aug-00	13.385		00
50-00612-W	Sep-00	14.591		00
50-00612-W	Oct-00	14.519		00
50-00612-W	Nov-00	14.62		00
50-00612-W	Dec-00	14.731	14.125	00
50-00615-W	Jan-00	834.09		00
50-00615-W	Feb-00	783.9		00
50-00615-W	Mar-00	876.52		00
50-00615-W	Apr-00	812.68		00
50-00615-W	May-00	962.07		00
50-00615-W	Jun-00	901.36		00
50-00615-W	Jul-00	833.67		00
50-00615-W	Aug-00	919.086		00
50-00615-W	Sep-00	889.14		00
50-00615-W	Oct-00	890.97		00
50-00615-W	Oct-00	5.721		01
50-00615-W	Nov-00	892.81		00
50-00615-W	Dec-00	853.47		00
50-00615-W	Dec-00	3.336		01
50-01092-W	Jan-00	2.266	2.062	00
50-01092-W	Mar-00	3.225	3.007	00
50-01092-W	Apr-00	2.696	2.493	00
50-01092-W	May-00	3.016	2.801	00
50-01092-W	Jun-00	2.858	2.654	00
50-01092-W	Jul-00	3.143	2.922	00
50-01092-W	Aug-00	3.361	3.151	00
50-01092-W	Sep-00	2.963	2.779	00

50-01092-W	Oct-00	3.161	2.959	00
50-01092-W	Nov-00	3.499	3.303	00
50-01092-W	Dec-00	2.805	2.603	00
50-01528-W	Jan-00	0.6342	0.2822	00
50-01528-W	Feb-00	0.3732	0.1966	00
50-01528-W	Mar-00	0.5432	0.272	00
50-01528-W	Apr-00	0.436	0.228	00
50-01528-W	May-00	0.4792	0.196	00
50-01528-W	Jun-00	0.6825	0.3825	00
50-01528-W	Jul-00	0.418	0.1623	00
50-01528-W	Aug-00	0.4755	0.2129	00
50-01528-W	Sep-00	0.43	0.215	00
50-01528-W	Oct-00	0.3453	0.2728	00
50-01528-W	Nov-00	0.83	0.356	00
50-01528-W	Dec-00	0.483	0.224	00

APPENDIX E
Public Water Supply Pumpage For Broward County (2000)

PERMIT_NO	PWS_DATE	RAW_TOTAL_MONTH_PUMPAGE	TREATED_TOTAL_MONTH_PUMPAGE	WELL_NO
06-00003-W	Jan-00	14.625	14.625	00
06-00003-W	Feb-00	14.47	13.966	00
06-00003-W	Mar-00	16.188	15.481	00
06-00003-W	Apr-00	15.954	15.394	00
06-00003-W	May-00	17.593	17.187	00
06-00003-W	Jun-00	14.817	13.935	00
06-00003-W	Jul-00	13.074	12.221	00
06-00003-W	Aug-00	13.121	12.307	00
06-00003-W	Sep-00	11.631	11.022	00
06-00003-W	Oct-00	12.782	11.897	00
06-00003-W	Nov-00	15.803	15.229	00
06-00003-W	Dec-00	14.119	13.386	00
06-00004-W	Jan-00	90.961	89.782	00
06-00004-W	Feb-00	87.302	82.876	00
06-00004-W	Mar-00	98.492	87.633	00
06-00004-W	Apr-00	94.243	85.632	00
06-00004-W	May-00	109.95	96.376	00
06-00004-W	Jun-00	95.106	87.284	00
06-00004-W	Jul-00	88.702	92.821	00
06-00004-W	Aug-00	95.592	87.325	00
06-00004-W	Sep-00	90.864	81.17	00
06-00004-W	Oct-00	95.697	81.877	00
06-00004-W	Nov-00	101.029	87.144	00
06-00004-W	Dec-00	91.99	77.864	00
06-00038-W	Jan-00	789.342	746.213	00
06-00038-W	Feb-00	771.503	684.124	00
06-00038-W	Mar-00	810.611	750.816	00
06-00038-W	Apr-00	786.382	720.867	00
06-00038-W	May-00	817.801	766.477	00
06-00038-W	Jun-00	715.17	678.654	00
06-00038-W	Jun-00	38.7		02
06-00038-W	Jul-00	717.087	778.037	00
06-00038-W	Jul-00	60.95		02
06-00038-W	Aug-00	710.886	700.119	00
06-00038-W	Aug-00	0		01
06-00038-W	Aug-00	80.426		02
06-00038-W	Sep-00	632.67	719.234	00
06-00038-W	Sep-00	0		01
06-00038-W	Sep-00	86.564		02
06-00038-W	Oct-00	653.297	680.436	00
06-00038-W	Oct-00	0		01
06-00038-W	Oct-00	88.463		02
06-00038-W	Nov-00	692.902	707.179	00
06-00038-W	Nov-00	0		01
06-00038-W	Nov-00	87.553		02
06-00038-W	Dec-00	640.423		00
06-00038-W	Dec-00	31.4		01
06-00038-W	Dec-00	85.543		02
06-00054-W	Jan-00	91.436	86.864	01
06-00054-W	Jan-00	117.563	96.893	02
06-00054-W	Feb-00	82.537	78.41	01
06-00054-W	Feb-00	103.2	87.382	02
06-00054-W	Mar-00	81.371	77.302	01
06-00054-W	Mar-00	122.068	102.641	02
06-00054-W	Apr-00	85.36	81.092	01

06-00054-W	Apr-00	133.002	108.425	02
06-00054-W	May-00	95.595	90.815	01
06-00054-W	May-00	140.397	115.471	02
06-00054-W	Jun-00	88.696	84.261	01
06-00054-W	Jun-00	126.18	104.256	02
06-00054-W	Jul-00	88.778	84.339	01
06-00054-W	Jul-00	134.388	111.982	02
06-00054-W	Aug-00	94.805	90.065	01
06-00054-W	Aug-00	143.08	116.63	02
06-00054-W	Sep-00	97.834	92.942	01
06-00054-W	Sep-00	127.59	106.58	02
06-00054-W	Oct-00	101.435	96.363	01
06-00054-W	Oct-00	137.103	112.966	02
06-00054-W	Nov-00	99.157	94.199	01
06-00054-W	Nov-00	135.15	112.59	02
06-00054-W	Dec-00	98.16	93.252	01
06-00054-W	Dec-00	125.47	103.44	02
06-00071-W	Jan-00	217.77	184.834	00
06-00071-W	Feb-00	187.282	176.392	00
06-00071-W	Mar-00	213.219	191.344	00
06-00071-W	Apr-00	212.831	183.743	00
06-00071-W	May-00	204.839	195.105	00
06-00071-W	Jun-00	196.923	173.497	00
06-00071-W	Jul-00	188.303	162.076	00
06-00071-W	Aug-00	188.631	164.601	00
06-00071-W	Sep-00	189.124	163.668	00
06-00071-W	Oct-00	186.004	175.723	00
06-00071-W	Nov-00	202.916	192.944	00
06-00071-W	Dec-00	190.293	180.111	00
06-00082-W	Jan-00	71.313	153.213	01
06-00082-W	Jan-00	268.808	222.039	02
06-00082-W	Feb-00	91.172	136.245	01
06-00082-W	Feb-00	246.071	212.476	02
06-00082-W	Mar-00	88.576	167.653	01
06-00082-W	Mar-00	301.862	223.92	02
06-00082-W	Apr-00	103.364		01
06-00082-W	Apr-00	202.187		02
06-00082-W	May-00	111.99		01
06-00082-W	May-00	282.583		02
06-00082-W	Jun-00	92.976	161.517	01
06-00082-W	Jun-00	259.511	213.77	02
06-00082-W	Jul-00	105.301	135.769	01
06-00082-W	Jul-00	232.348	202.8	02
06-00082-W	Aug-00	94.219	152.433	01
06-00082-W	Aug-00	249.563	201.692	02
06-00082-W	Sep-00	88.204		01
06-00082-W	Sep-00	178.896		02
06-00082-W	Oct-00	104.346		01
06-00082-W	Oct-00	239.901		02
06-00082-W	Nov-00	149.66		01
06-00082-W	Nov-00	206.373		02
06-00082-W	Dec-00	116.139		01
06-00082-W	Dec-00	250.025		02
06-00100-W	Jan-00	164.692	158.758	00
06-00100-W	Feb-00	145.071		00
06-00100-W	Mar-00	160.141	158.273	00
06-00100-W	Apr-00	157.825	156.618	00

06-00100-W	May-00	180.919	175.992	00
06-00100-W	Jun-00	153.074	150.402	00
06-00100-W	Jul-00	154.495	153.32	00
06-00100-W	Aug-00	154.111	153.852	00
06-00100-W	Sep-00	144.194	140.626	00
06-00100-W	Oct-00	149.042	147.06	00
06-00100-W	Nov-00	165.735	163.51	00
06-00100-W	Dec-00	162.085	159	00
06-00101-W	Jan-00	36.019	25.318	00
06-00101-W	Feb-00	32.63	23.697	00
06-00101-W	Mar-00	37.372	27.569	00
06-00101-W	Apr-00	29.999	24.709	00
06-00101-W	May-00	37.603	29.302	00
06-00101-W	Jun-00	31.594	25.51	00
06-00101-W	Jul-00	30.65	23.366	00
06-00101-W	Aug-00	30.494	23.528	00
06-00101-W	Sep-00	31.07	23.876	00
06-00101-W	Oct-00	31.883	24.971	00
06-00101-W	Nov-00	39.652	31.878	00
06-00101-W	Dec-00	34.954	27.135	00
06-00102-W	Jan-00	247.355	229.053	00
06-00102-W	Feb-00	237.337	222.913	00
06-00102-W	Mar-00	283.727	254.578	00
06-00102-W	Apr-00	247.652	235.463	00
06-00102-W	May-00	313.792	280.916	00
06-00102-W	Jun-00	275.349	247.674	00
06-00102-W	Jul-00	239.001	228.134	00
06-00102-W	Aug-00	243.17	230.636	00
06-00102-W	Sep-00	255.49	228.939	00
06-00102-W	Oct-00	275.029	233.029	00
06-00102-W	Nov-00	262.727	245.861	00
06-00102-W	Dec-00	249.1	231.95	00
06-00103-W	Jan-00	392.052		00
06-00103-W	Jan-00	99.917		01
06-00103-W	Feb-00	339.712		00
06-00103-W	Feb-00	116.693		01
06-00103-W	Mar-00	338.607		00
06-00103-W	Mar-00	163.181		01
06-00103-W	Apr-00	307.832		00
06-00103-W	Apr-00	189.442		01
06-00103-W	May-00	364.964		00
06-00103-W	May-00	193.532		01
06-00103-W	Jun-00	301.801		00
06-00103-W	Jun-00	191.097		01
06-00103-W	Jul-00	260.129	192.04	00
06-00103-W	Jul-00	202.872	174.357	01
06-00103-W	Aug-00	234.9	201.01	00
06-00103-W	Aug-00	255.666	173.774	01
06-00103-W	Sep-00	269.35	194.03	00
06-00103-W	Sep-00	187.111	165.036	01
06-00103-W	Oct-00	242.94	206.01	00
06-00103-W	Oct-00	216.259	175.848	01
06-00103-W	Nov-00	303.89	258.38	00
06-00103-W	Nov-00	210.106	175.22	01
06-00103-W	Dec-00	254.49	216.47	00
06-00103-W	Dec-00	217.076	176.996	01
06-00120-W	Jan-00	604.964		01

06-00120-W	Jan-00	140.39		02
06-00120-W	Feb-00	580.786		01
06-00120-W	Feb-00	120.999		02
06-00120-W	Mar-00	600.015		01
06-00120-W	Mar-00	123.019		02
06-00120-W	Apr-00	581.618		01
06-00120-W	Apr-00	132.248		02
06-00120-W	May-00	625.448		01
06-00120-W	May-00	174.799		02
06-00120-W	Jun-00	597.68		01
06-00120-W	Jun-00	109.53		02
06-00120-W	Jul-00	563.575		01
06-00120-W	Jul-00	103.325		02
06-00120-W	Aug-00	557.097		01
06-00120-W	Aug-00	110.39		02
06-00120-W	Sep-00	524.686		01
06-00120-W	Sep-00	107.35		02
06-00120-W	Oct-00	579.415		01
06-00120-W	Oct-00	101.433		02
06-00120-W	Nov-00	623.271		01
06-00120-W	Nov-00	113.36		02
06-00120-W	Dec-00	666.678		01
06-00120-W	Dec-00	102.1		02
06-00121-W	Jan-00	267.702		00
06-00121-W	Feb-00	257.418		00
06-00121-W	Mar-00	277.737		00
06-00121-W	Apr-00	266.673		00
06-00121-W	May-00	306.129		00
06-00121-W	Jun-00	261.468		00
06-00121-W	Jul-00	235.377		00
06-00121-W	Aug-00	245.807		00
06-00121-W	Sep-00	236.81		00
06-00121-W	Oct-00	253.408		00
06-00121-W	Nov-00	267.35		00
06-00121-W	Dec-00	250.459		00
06-00123-W	Jan-00	177.71	178.498	01
06-00123-W	Jan-00	1355.247	1343.689	02
06-00123-W	Jan-00	5.56		03
06-00123-W	Feb-00	185.466	184.041	01
06-00123-W	Feb-00	1312.43	1297.224	02
06-00123-W	Feb-00	34.735		03
06-00123-W	Mar-00	236.425	235.745	01
06-00123-W	Mar-00	1408.912	1398.615	02
06-00123-W	Mar-00	33.764		03
06-00123-W	Apr-00	229.634	229.608	01
06-00123-W	Apr-00	1312.654	1297.492	02
06-00123-W	Apr-00	27.187		03
06-00123-W	May-00	289.255	287.234	01
06-00123-W	May-00	1492.904	1474.097	02
06-00123-W	May-00	41.275		03
06-00123-W	Jun-00	214.438	215.461	01
06-00123-W	Jun-00	1315.152	1300.116	02
06-00123-W	Jun-00	0		03
06-00123-W	Jul-00	198.4	195.733	01
06-00123-W	Jul-00	1343.07	1335.357	02
06-00123-W	Jul-00	0		03
06-00123-W	Aug-00	198.207	197.235	01

06-00123-W	Aug-00	1375.318	1371.31	02
06-00123-W	Aug-00	0		03
06-00123-W	Sep-00	194.12	194.118	01
06-00123-W	Sep-00	1253.12	1243.666	02
06-00123-W	Sep-00	0		03
06-00123-W	Oct-00	188.31	188.807	01
06-00123-W	Oct-00	1305.044	1295.198	02
06-00123-W	Oct-00	0		03
06-00123-W	Nov-00	208.61	211.762	01
06-00123-W	Nov-00	1412.384	1405.013	02
06-00123-W	Nov-00	0		03
06-00123-W	Dec-00	192.574		01
06-00123-W	Dec-00	1278.007		02
06-00123-W	Dec-00	0		03
06-00129-W	Jan-00	280.677	275.511	00
06-00129-W	Feb-00	258.697	257.098	00
06-00129-W	Mar-00	230.648	226.032	00
06-00129-W	Apr-00	219.827	215.42	00
06-00129-W	May-00	243.444	238.725	00
06-00129-W	Jun-00	214.264	210.924	00
06-00129-W	Jul-00	218.672	227.6	00
06-00129-W	Aug-00	248.227	244.225	00
06-00129-W	Sep-00	227.964	235.695	00
06-00129-W	Oct-00	208.892	256.147	00
06-00129-W	Nov-00	291.627	285.091	00
06-00129-W	Dec-00	216.614	212.282	00
06-00134-W	Jan-00	21.872	21.27	01
06-00134-W	Jan-00	95.266	95.037	03
06-00134-W	Feb-00	18.474	17.978	01
06-00134-W	Feb-00	93.21	93.666	03
06-00134-W	Mar-00	23.524	22.427	01
06-00134-W	Mar-00	98.835	95.773	03
06-00134-W	Apr-00	20.187	19.659	01
06-00134-W	Apr-00	97.408	95.683	03
06-00134-W	May-00	20.705	20.122	01
06-00134-W	May-00	102.63	99.773	03
06-00134-W	Jun-00	20.329	19.764	01
06-00134-W	Jun-00	99.265	96.281	03
06-00134-W	Jul-00	19.361	18.762	01
06-00134-W	Jul-00	97.874	97.689	03
06-00134-W	Aug-00	20.918	20.338	01
06-00134-W	Aug-00	97.41	96.497	03
06-00134-W	Sep-00	18.733	18.206	01
06-00134-W	Sep-00	98.154	94.793	03
06-00134-W	Oct-00	18.039	17.44	01
06-00134-W	Oct-00	99.531	98.374	03
06-00134-W	Nov-00	21.056	20.435	01
06-00134-W	Nov-00	102.757	102.139	03
06-00134-W	Dec-00	16.255	15.758	01
06-00134-W	Dec-00	99.18	98.154	03
06-00135-W	Jan-00	393.199	281.599	02
06-00135-W	Feb-00	366.478	359.185	02
06-00135-W	Mar-00	398.174	399.241	02
06-00135-W	Apr-00	383.05	393.768	02
06-00135-W	May-00	425.019	434.743	02
06-00135-W	Jun-00	384.256	380.129	02
06-00135-W	Jul-00	369.842	336.053	02

06-00135-W	Aug-00	377.103	363.156	02
06-00135-W	Sep-00	367.206	353.2	02
06-00135-W	Oct-00	394.368	401.466	02
06-00135-W	Nov-00	393.1		02
06-00135-W	Dec-00	401.711	388.615	02
06-00138-W	Jan-00	197.271	194.454	00
06-00138-W	Jan-00	107.796		7&8
06-00138-W	Jan-00	91.23		P
06-00138-W	Feb-00	182.236	179.666	00
06-00138-W	Feb-00	100.766		7&8
06-00138-W	Feb-00	80.361		P
06-00138-W	Mar-00	192.325	189.69	00
06-00138-W	Mar-00	107.163		7&8
06-00138-W	Mar-00	84.106		P
06-00138-W	Apr-00	161.058	157.835	00
06-00138-W	Apr-00	103.282		7&8
06-00138-W	Apr-00	58.24		P
06-00138-W	May-00	184.127	181.342	00
06-00138-W	May-00	105.672		7&8
06-00138-W	May-00	78.65		P
06-00138-W	Jun-00	164.774	162.067	00
06-00138-W	Jun-00	102.465		7&8
06-00138-W	Jun-00	59.35		P
06-00138-W	Jul-00	169.421	165.752	00
06-00138-W	Jul-00	104.895		7&8
06-00138-W	Jul-00	63.46		P
06-00138-W	Aug-00	164.935	162.319	00
06-00138-W	Aug-00	99.556		7&8
06-00138-W	Aug-00	65.91		P
06-00138-W	Sep-00	157.83	155.085	00
06-00138-W	Sep-00	92.624		7&8
06-00138-W	Sep-00	66.87		P
06-00138-W	Oct-00	166.078	163.511	00
06-00138-W	Oct-00	101.189		7&8
06-00138-W	Oct-00	63.03		P
06-00138-W	Nov-00	178.815	176.11	00
06-00138-W	Nov-00	100.322		7&8
06-00138-W	Nov-00	74.24		P
06-00138-W	Dec-00	187.615	184.583	00
06-00138-W	Dec-00	106.956		7&8
06-00138-W	Dec-00	79.003		P
06-00142-W	Jan-00	309.815	487.24	00
06-00142-W	Feb-00	290.29	451.47	00
06-00142-W	Mar-00	321.37	492.4	00
06-00142-W	Apr-00	304.1	475.62	00
06-00142-W	May-00	345.69	526.61	00
06-00142-W	Jun-00	284.45	459.26	00
06-00142-W	Jul-00	243.39	425.9	00
06-00142-W	Aug-00	263.99	445.44	00
06-00142-W	Sep-00	250.82	426.93	00
06-00142-W	Oct-00	260.22	443.69	00
06-00142-W	Nov-00	318.076	508.89	00
06-00142-W	Dec-00	263.71	460.12	00
06-00146-W	Jan-00	276.79	276.507	01
06-00146-W	Feb-00	267.02	264.989	01
06-00146-W	Mar-00	290.528	281.577	01
06-00146-W	Apr-00	283.11	272.052	01

06-00146-W	May-00	308.65	296.434	01
06-00146-W	Jun-00	266.987	262.074	01
06-00146-W	Jul-00	265.67	266.904	01
06-00146-W	Aug-00	272.013	271.891	01
06-00146-W	Sep-00	250.558	248.838	01
06-00146-W	Oct-00	262.785	262.08	01
06-00146-W	Nov-00	273.078	270.91	01
06-00146-W	Dec-00	240.586	240.586	01
06-00170-W	Jan-00	16.659		00
06-00170-W	Feb-00	16.059		00
06-00170-W	Mar-00	18.14	16.366	00
06-00170-W	Apr-00	15.604	15.791	00
06-00170-W	May-00	19.404	17.123	00
06-00170-W	Jun-00	20.41	16.131	00
06-00170-W	Jul-00	22.891	16.567	00
06-00170-W	Sep-00	20.483	15.791	00
06-00170-W	Oct-00	22.621	15.452	00
06-00170-W	Nov-00	22.81	16.049	00
06-00170-W	Dec-00	23.77	16.69	00
06-00187-W	Jan-00	49.474	67.217	00
06-00187-W	Jan-00	18.416		02
06-00187-W	Feb-00	50.439	68.008	00
06-00187-W	Feb-00	16.043		02
06-00187-W	Mar-00	54.265	77.051	00
06-00187-W	Mar-00	23.94		02
06-00187-W	Apr-00	52.889	74.398	00
06-00187-W	Apr-00	22.408		02
06-00187-W	May-00	55.969	80.225	00
06-00187-W	May-00	25.69		02
06-00187-W	Jun-00	53.47	70.21	00
06-00187-W	Jun-00	21.218		02
06-00187-W	Jul-00	53.38	66.075	00
06-00187-W	Jul-00	15.94		02
06-00187-W	Aug-00	53.652	66.751	00
06-00187-W	Aug-00	12.71		02
06-00187-W	Sep-00	51.17	64.542	00
06-00187-W	Sep-00	14.95		02
06-00187-W	Oct-00	53.724	64.023	00
06-00187-W	Oct-00	13.62		02
06-00187-W	Nov-00	48.635	61.656	00
06-00187-W	Nov-00	10.27		02
06-00187-W	Dec-00	48.343		00
06-00187-W	Dec-00	10.65		02
06-00242-W	Jan-00	5.399	7.669	00
06-00242-W	Feb-00	7.9036	7.076	00
06-00242-W	Mar-00	8.558	7.776	00
06-00242-W	Apr-00	8.239	7.453	00
06-00242-W	May-00	10.136	9.644	00
06-00242-W	Jun-00	5.54	7.457	00
06-00242-W	Jul-00	7.54	7.111	00
06-00242-W	Aug-00	7.792	7.594	00
06-00242-W	Sep-00	8.76	8.119	00
06-00242-W	Oct-00	8.383	7.374	00
06-00242-W	Nov-00	8.739	7.758	00
06-00242-W	Dec-00	8.975	7.466	00
06-00274-W	Jan-00	104.552	104.299	00
06-00274-W	Feb-00	101.626	102.106	00

06-00274-W	Mar-00	111.3	112.178	00
06-00274-W	Apr-00	101.138	101.973	00
06-00274-W	May-00	104.739	104.092	00
06-00274-W	Jun-00	91.223	90.817	00
06-00274-W	Jul-00	87.98	88.037	00
06-00274-W	Aug-00	86.91	87.268	00
06-00274-W	Sep-00	86.862	86.355	00
06-00274-W	Oct-00	91.716	91.799	00
06-00274-W	Nov-00	106.19	106	00
06-00274-W	Dec-00	102.03	102	00
06-00365-W	Jan-00	4.654	4.588	00
06-00365-W	Jan-00	45.463		01
06-00365-W	Jan-00	71.431	58.398	02
06-00365-W	Jan-00	122.246		03
06-00365-W	Feb-00	4.712	4.655	00
06-00365-W	Feb-00	42.554		01
06-00365-W	Feb-00	67.592	55.696	02
06-00365-W	Feb-00	115.335		03
06-00365-W	Mar-00	4.205	4.146	00
06-00365-W	Mar-00	54.777		01
06-00365-W	Mar-00	68.879	55.826	02
06-00365-W	Mar-00	128.081		03
06-00365-W	Apr-00	49.619		01
06-00365-W	Apr-00	74.055	60.154	02
06-00365-W	Apr-00	123.101		03
06-00365-W	May-00	68.927		01
06-00365-W	May-00	82.214	66.539	02
06-00365-W	May-00	151.61		03
06-00365-W	Jun-00	26.716		01
06-00365-W	Jun-00	89.606	72.943	02
06-00365-W	Jun-00	117.061		03
06-00365-W	Jul-00	17.902		01
06-00365-W	Jul-00	91.102	72.961	02
06-00365-W	Jul-00	109.174		03
06-00365-W	Aug-00	16.104		01
06-00365-W	Aug-00	93.094	75.682	02
06-00365-W	Aug-00	109.398		03
06-00365-W	Sep-00	11.07		01
06-00365-W	Sep-00	94.871	76.794	02
06-00365-W	Sep-00	107.12		03
06-00365-W	Oct-00	15.757		01
06-00365-W	Oct-00	101.375	81.265	02
06-00365-W	Oct-00	117.123		03
06-00365-W	Nov-00	41.928		01
06-00365-W	Nov-00	96.031	76.759	02
06-00365-W	Nov-00	138.824		03
06-00365-W	Dec-00	99.735	80.786	01
06-00365-W	Dec-00	19.941		02
06-00365-W	Dec-00	120.746		03
06-00435-W	Jan-00	17.929		00
06-00435-W	Feb-00	20.875		00
06-00435-W	Mar-00	32.724		00
06-00435-W	Apr-00	36.417		00
06-00435-W	May-00	61.762		00
06-00435-W	Jun-00	35.091		00
06-00435-W	Jul-00	28.361		00
06-00435-W	Aug-00	28.411		00

06-00435-W	Sep-00	27.384	00
06-00435-W	Oct-00	29.265	00
06-00435-W	Nov-00	44.281	00
06-00435-W	Dec-00	36.981	00
06-01474-W	Jan-00	254.382	00
06-01474-W	Jan-00	67.209	01
06-01474-W	Feb-00	231.19	00
06-01474-W	Feb-00	58.96	01
06-01474-W	Mar-00	248.694	00
06-01474-W	Mar-00	60.237	01
06-01474-W	Apr-00	215.089	00
06-01474-W	Apr-00	62.402	01
06-01474-W	May-00	251.453	00
06-01474-W	May-00	65.268	01
06-01474-W	Jun-00	252.331	00
06-01474-W	Jun-00	62.686	01
06-01474-W	Jul-00	278.112	00
06-01474-W	Jul-00	55.591	01
06-01474-W	Aug-00	303.735	00
06-01474-W	Aug-00	62.569	01
06-01474-W	Sep-00	306.259	00
06-01474-W	Sep-00	62.773	01
06-01474-W	Oct-00	308.006	00
06-01474-W	Oct-00	63.497	01
06-01474-W	Nov-00	312.078	00
06-01474-W	Nov-00	63.333	01
06-01474-W	Dec-00	304.975	00
06-01474-W	Dec-00	64.057	01
06-01634-W	Jan-00	215.481	00
06-01634-W	Feb-00	202.304	00
06-01634-W	Mar-00	216.256	00
06-01634-W	Apr-00	209.28	00
06-01634-W	May-00	216.256	00
06-01634-W	Jun-00	209.28	00
06-01634-W	Jul-00	216.256	00
06-01634-W	Aug-00	216.256	00
06-01634-W	Sep-00	216.256	00
06-01634-W	Oct-00	216.256	00
06-01634-W	Nov-00	208.482	00
06-01634-W	Dec-00	213.88	00

APPENDIX F
Public Water Supply Pumpage For Miami-Dade County (2000)

PERMIT_NO	PWS_DATE	RAW_TOTAL_MONTH_PUMPAGE	TREATED_TOTAL_MONTH_PUMPAGE	WELL_NO
13-00005-W	Jan-00	532.88	519.163	00
13-00005-W	Feb-00	505.974	492.918	00
13-00005-W	Mar-00	582.145	565.19	00
13-00005-W	Apr-00	542.761	529.248	00
13-00005-W	May-00	586.011	571.017	00
13-00005-W	Jun-00	496.79	489.076	00
13-00005-W	Jul-00	557.402	544.157	00
13-00005-W	Aug-00	516.41	507.115	00
13-00005-W	Sep-00	454.572	446.297	00
13-00005-W	Oct-00	470.485	464.406	00
13-00005-W	Nov-00	500.75	499.283	00
13-00005-W	Dec-00	481.618	488.034	00
13-00017-W	Jan-00	5240.5	5163	00
13-00017-W	Feb-00	4932.5	4860	00
13-00017-W	Mar-00	5367.5	5290	00
13-00017-W	Apr-00	5208	5133	00
13-00017-W	May-00	5669.5	5592	00
13-00017-W	Jun-00	5221	5146	00
13-00017-W	Jul-00	5218.5	5141	00
13-00017-W	Aug-00	5326.5	2380	00
13-00017-W	Sep-00	5148	5073	00
13-00017-W	Oct-00	5357.5	5280	00
13-00017-W	Nov-00	5321	5246	00
13-00017-W	Dec-00	5216		00
13-00029-W	Jan-00		82.903	00
13-00029-W	Feb-00		79.183	00
13-00029-W	Mar-00		87.677	00
13-00029-W	Apr-00		83.984	00
13-00029-W	May-00		77.685	00
13-00029-W	Jun-00		72.432	00
13-00029-W	Jul-00		74.449	00
13-00029-W	Aug-00		74.513	00
13-00029-W	Sep-00		73.069	00
13-00029-W	Oct-00		76.017	00
13-00029-W	Nov-00		72.893	00
13-00029-W	Dec-00		78.616	00
13-00037-W	Jan-00	1797	2178	01
13-00037-W	Jan-00	3360.1	2854.4	02
13-00037-W	Feb-00	1672	2043.4	01
13-00037-W	Feb-00	3051.1	2563.7	02
13-00037-W	Mar-00	1767	2293.9	01
13-00037-W	Mar-00	3452	2801.6	02
13-00037-W	Apr-00	1715	2272.5	01
13-00037-W	Apr-00	3326.9	2649.3	02
13-00037-W	May-00	1652	2303.6	01
13-00037-W	May-00	3754.2	2979	02
13-00037-W	Jun-00	1461	1965.7	01
13-00037-W	Jun-00	3411.3	2786.8	02
13-00037-W	Jul-00	1786	2188.4	01
13-00037-W	Jul-00	3292	2765.8	02

13-00037-W	Aug-00	1780	2133	01
13-00037-W	Aug-00	3454	2976	02
13-00037-W	Sep-00	1742	2116	01
13-00037-W	Sep-00	3333.8	2839.7	02
13-00037-W	Oct-00	1810	2175.1	01
13-00037-W	Oct-00	3297.1	2506.1	02
13-00037-W	Nov-00	1742		01
13-00037-W	Nov-00	3392.4		02
13-00037-W	Dec-00	1756	2167.7	01
13-00037-W	Dec-00	3165	2630	02
13-00040-W	Jan-00		87.658	01
13-00040-W	Jan-00		0.752	02
13-00040-W	Jan-00		39.83	05
13-00040-W	Jan-00		47.72	07
13-00040-W	Jan-00		34.735	08
13-00040-W	Feb-00		81.739	01
13-00040-W	Feb-00		0.721	02
13-00040-W	Feb-00		46.077	05
13-00040-W	Feb-00		38.896	07
13-00040-W	Feb-00		28.705	08
13-00040-W	Mar-00		89.411	01
13-00040-W	Mar-00		1.693	02
13-00040-W	Mar-00		53.357	05
13-00040-W	Mar-00		35.348	07
13-00040-W	Mar-00		25.964	08
13-00040-W	Apr-00		84.76	01
13-00040-W	Apr-00		0.837	02
13-00040-W	Apr-00		56.984	05
13-00040-W	Apr-00		40.101	07
13-00040-W	Apr-00		21.951	08
13-00040-W	May-00		81.982	01
13-00040-W	May-00		0.739	02
13-00040-W	May-00		57.603	05
13-00040-W	May-00		51.194	07
13-00040-W	May-00		25.786	08
13-00040-W	Jun-00		76.946	01
13-00040-W	Jun-00		1.123	02
13-00040-W	Jun-00		45.997	05
13-00040-W	Jun-00		46.21	07
13-00040-W	Jun-00		22.227	08
13-00040-W	Jul-00		81.221	01
13-00040-W	Jul-00		0.53	02
13-00040-W	Jul-00		48.975	05
13-00040-W	Jul-00		50.947	07
13-00040-W	Jul-00		19.904	08
13-00040-W	Aug-00		83.013	01
13-00040-W	Aug-00		0.642	02
13-00040-W	Aug-00		51.261	05
13-00040-W	Aug-00		50.744	07
13-00040-W	Aug-00		21.365	08
13-00040-W	Sep-00		81.326	01
13-00040-W	Sep-00		0.957	02

13-00040-W	Sep-00		52.882	05
13-00040-W	Sep-00		49.881	07
13-00040-W	Sep-00		24.489	08
13-00040-W	Oct-00		88.19	01
13-00040-W	Oct-00		0.671	02
13-00040-W	Oct-00		49.382	05
13-00040-W	Oct-00		47.911	07
13-00040-W	Oct-00		20.72	08
13-00040-W	Nov-00		84.074	01
13-00040-W	Nov-00		1.8	02
13-00040-W	Nov-00		48.727	05
13-00040-W	Nov-00		51.052	07
13-00040-W	Nov-00		27.402	08
13-00040-W	Dec-00		85.775	01
13-00040-W	Dec-00		1.109	02
13-00040-W	Dec-00		48.759	05
13-00040-W	Dec-00		51.881	07
13-00040-W	Dec-00		31.312	08
13-00046-W	Jan-00	173.17		01
13-00046-W	Jan-00	81.363		02
13-00046-W	Feb-00	161.373		01
13-00046-W	Feb-00	74.436		02
13-00046-W	Mar-00	178.172		01
13-00046-W	Mar-00	81.723		02
13-00046-W	Apr-00	165.47		01
13-00046-W	Apr-00	80.824		02
13-00046-W	May-00	177.579		01
13-00046-W	May-00	83.102		02
13-00046-W	Jun-00	173.21		01
13-00046-W	Jun-00	82.641		02
13-00046-W	Jul-00	172.37		01
13-00046-W	Jul-00	90.688		02
13-00046-W	Aug-00	172.434		01
13-00046-W	Aug-00	89.943		02
13-00046-W	Sep-00	133.621		01
13-00046-W	Sep-00	86.661		02
13-00046-W	Oct-00	167.041		01
13-00046-W	Oct-00	70.062		02
13-00046-W	Nov-00	171.125		01
13-00046-W	Nov-00	86.589		02
13-00046-W	Dec-00	173.729		01
13-00046-W	Dec-00	89.611		02
13-00059-W	Jan-00	212.38	216.73	02
13-00059-W	Feb-00	191.81	196.87	02
13-00059-W	Mar-00	245.51	253.85	02
13-00059-W	Apr-00	233.37		02
13-00059-W	May-00	249.06		02
13-00059-W	Jun-00	237.5		02
13-00059-W	Jul-00	237.41	256.12	02
13-00059-W	Aug-00	217.07	242.97	02
13-00059-W	Sep-00	211.84	232.57	02
13-00059-W	Oct-00	238.23	245.09	02

13-00059-W	Nov-00	223.94	241.87	02
13-00059-W	Dec-00	220.86	248.76	02
13-00060-W	Jan-00	440.15	437.36	01
13-00060-W	Feb-00	383.93	381.32	01
13-00060-W	Mar-00	407.71	404.92	01
13-00060-W	Apr-00	352.39	349.69	01
13-00060-W	May-00	411.62	408.83	01
13-00060-W	Jun-00	440.38	437.68	01
13-00060-W	Jul-00	429.14	426.35	01
13-00060-W	Aug-00	315.33	312.54	01
13-00060-W	Sep-00	273.34	270.64	01
13-00060-W	Oct-00	352.3	349.51	01
13-00060-W	Nov-00	392.7	390	01
13-00060-W	Dec-00	416.25	413.46	01
13-00068-W	Jan-00		35.743	00
13-00068-W	Mar-00		34.271	00
13-00068-W	Apr-00		33.347	00
13-00068-W	May-00		34.44	00
13-00068-W	Jun-00		36.451	00
13-00068-W	Jul-00		34.33	00
13-00068-W	Aug-00		37.738	00
13-00068-W	Sep-00		36.334	00
13-00068-W	Oct-00		37.806	00
13-00068-W	Nov-00		34.698	00
13-00068-W	Dec-00		38.222	00

APPENDIX G
Well Distribution File Containing Percentage Of Individual LEC Public Water Supply Well Pumpage To Corresponding SFWMM Grid Cells

PERMIT_NUM	==========	PERCENT	====	RoCo
06-00001-W	16	50.00	50.00	33135
06-00001-W	19	50.00	50.00	33135
06-00001-W	2	0.00	0.00	33135
06-00003-W	1	33.00	33.00	34034
06-00003-W	2	33.00	33.00	34034
06-00003-W	3	33.00	33.00	34034
06-00004-W	1	33.00	33.00	33835
06-00004-W	2	33.00	33.00	33835
06-00004-W	3	33.00	33.00	33835
06-00038-W	1	2.00	2.00	33136
06-00038-W	10	3.00	3.00	33136
06-00038-W	12	2.00	2.00	33136
06-00038-W	13	2.00	2.00	33136
06-00038-W	14	2.00	2.00	33136
06-00038-W	15	3.00	3.00	33136
06-00038-W	16	3.00	3.00	33136
06-00038-W	17	3.00	3.00	33136
06-00038-W	18	3.00	3.00	33136
06-00038-W	19	3.00	3.00	33136
06-00038-W	2	3.00	3.00	33136
06-00038-W	20	6.00	6.00	33136
06-00038-W	21	6.00	6.00	33136
06-00038-W	22	6.00	6.00	33136
06-00038-W	23	6.00	6.00	33136
06-00038-W	24	6.00	6.00	33136
06-00038-W	25	6.00	6.00	33136
06-00038-W	26	6.00	6.00	33036
06-00038-W	27	6.00	6.00	33136
06-00038-W	28	0.00	0.00	33036
06-00038-W	29	0.00	0.00	33036
06-00038-W	3	3.00	3.00	33136
06-00038-W	30	0.00	0.00	03136
06-00038-W	31	0.00	0.00	03136
06-00038-W	32	0.00	0.00	03136
06-00038-W	33	0.00	0.00	03136
06-00038-W	34	0.00	0.00	03136
06-00038-W	35	0.00	0.00	03036
06-00038-W	36	0.00	0.00	03136
06-00038-W	37	0.00	0.00	03136
06-00038-W	38	0.00	0.00	03136
06-00038-W	39	0.00	0.00	03136
06-00038-W	4	3.00	3.00	33136
06-00038-W	40	0.00	0.00	03136
06-00038-W	41	0.00	0.00	03136
06-00038-W	5	3.00	3.00	33136
06-00038-W	6	3.00	3.00	33136
06-00038-W	7	3.00	3.00	33136
06-00038-W	8	3.00	3.00	33136
06-00038-W	9	3.00	3.00	33136
06-00038-W	fwell1	0.00	0.00	33135
06-00038-W	fwell2	0.00	0.00	33135
06-00038-W	fwell21	0.00	0.00	33233
06-00038-W	fwell22	0.00	0.00	33233
06-00038-W	fwell23	0.00	0.00	33233
06-00038-W	fwell24	0.00	0.00	33233
06-00038-W	fwell25	0.00	0.00	33133

06-00038-W	fwell26	0.00	0.00	33133
06-00038-W	fwell27	0.00	0.00	33133
06-00038-W	fwell28	0.00	0.00	33133
06-00038-W	fwell29	0.00	0.00	33133
06-00038-W	fwell3	0.00	0.00	33135
06-00038-W	fwell30	0.00	0.00	33133
06-00038-W	fwell31	0.00	0.00	33133
06-00038-W	fwell32	0.00	0.00	33133
06-00038-W	fwell33	0.00	0.00	33133
06-00038-W	fwell34	0.00	0.00	33133
06-00038-W	fwell4	0.00	0.00	33135
06-00038-W	fwell5	0.00	0.00	33135
06-00043-W	1	54.00	54.00	33435
06-00043-W	2	0.00	0.00	33435
06-00043-W	3	46.00	46.00	33435
06-00046-W	1	100.00	100.00	34136
06-00054-W	1	7.00	7.00	33035
06-00054-W	10	0.00	0.00	03032
06-00054-W	11	0.00	0.00	03032
06-00054-W	12	0.00	0.00	03032
06-00054-W	13	0.00	0.00	32932
06-00054-W	2	2.00	2.00	33035
06-00054-W	3	18.00	18.00	33035
06-00054-W	4	8.00	8.00	33035
06-00054-W	5	15.00	15.00	33035
06-00054-W	6	16.00	16.00	33035
06-00054-W	7	23.00	23.00	33035
06-00054-W	8	8.00	8.00	33035
06-00054-W	9	3.00	3.00	33035
06-00070-W	10	8.00	8.00	33938
06-00070-W	11	8.00	8.00	33938
06-00070-W	12	9.00	9.00	33938
06-00070-W	13	8.00	8.00	33938
06-00070-W	14	0.00	0.00	33938
06-00070-W	15	0.00	0.00	33938
06-00070-W	16	8.00	8.00	33938
06-00070-W	17	6.00	6.00	33836
06-00070-W	18	6.00	6.00	33836
06-00070-W	19	4.00	4.00	33836
06-00070-W	2	6.00	6.00	33938
06-00070-W	20	4.00	4.00	33836
06-00070-W	21	3.00	3.00	33836
06-00070-W	22	4.00	4.00	33836
06-00070-W	3	3.00	3.00	33938
06-00070-W	4	0.00	0.00	33938
06-00070-W	5	2.00	2.00	33938
06-00070-W	6	3.00	3.00	33938
06-00070-W	7	11.00	11.00	33938
06-00070-W	8	0.00	0.00	33838
06-00070-W	9	6.00	6.00	33938
06-00070-W	fwell1	0.00	0.00	33937
06-00071-W	1	7.70	7.70	33734
06-00071-W	10	7.70	7.70	33734
06-00071-W	11	7.70	7.70	33734
06-00071-W	12	7.70	7.70	33734
06-00071-W	13	7.70	7.70	33734
06-00071-W	14	0.00	0.00	03734

06-00071-W	15	0.00	0.00	03734
06-00071-W	16	0.00	0.00	03734
06-00071-W	17	0.00	0.00	03734
06-00071-W	18	0.00	0.00	03734
06-00071-W	19	0.00	0.00	03734
06-00071-W	2	7.70	7.70	33734
06-00071-W	3	7.70	7.70	33734
06-00071-W	4	7.70	7.70	33734
06-00071-W	5	7.70	7.70	33734
06-00071-W	6	7.70	7.70	33734
06-00071-W	7	7.70	7.70	33734
06-00071-W	8	7.70	7.70	33734
06-00071-W	9	7.70	7.70	33734
06-00082-W	10	7.00	7.00	34138
06-00082-W	11	7.00	7.00	34138
06-00082-W	12	7.00	7.00	34138
06-00082-W	13	7.00	7.00	34138
06-00082-W	14	7.00	7.00	34138
06-00082-W	15	7.00	7.00	34138
06-00082-W	16	7.00	7.00	34138
06-00082-W	17	5.00	5.00	34138
06-00082-W	18	5.00	5.00	34138
06-00082-W	19	5.00	5.00	34138
06-00082-W	2	0.00	0.00	34138
06-00082-W	20	5.00	5.00	34138
06-00082-W	21	0.00	0.00	04138
06-00082-W	3	0.00	0.00	34139
06-00082-W	4	0.00	0.00	34138
06-00082-W	5	10.00	10.00	34138
06-00082-W	6	7.00	7.00	34138
06-00082-W	7	7.00	7.00	34138
06-00082-W	8	7.00	7.00	34138
06-00082-W	9	0.00	0.00	34138
06-00082-W	fwell1	0.00	0.00	34137
06-00100-W	1	10.00	10.00	33934
06-00100-W	2	10.00	10.00	33934
06-00100-W	3	10.00	10.00	33934
06-00100-W	4	10.00	10.00	33934
06-00100-W	5	26.00	26.00	33834
06-00100-W	6	17.00	17.00	33933
06-00100-W	7	17.00	17.00	33933
06-00100-W	8	0.00	0.00	03933
06-00101-W	1	48.00	48.00	34038
06-00101-W	2	2.00	2.00	34038
06-00101-W	3	48.00	48.00	34038
06-00101-W	4	2.00	2.00	34038
06-00102-W	1	4.00	4.00	34034
06-00102-W	10	5.00	5.00	34034
06-00102-W	11	4.00	4.00	34034
06-00102-W	12	13.00	13.00	34034
06-00102-W	13	10.00	10.00	33934
06-00102-W	14	11.00	11.00	33934
06-00102-W	15	11.00	11.00	33934
06-00102-W	16	13.00	13.00	33934
06-00102-W	17	0.00	0.00	34034
06-00102-W	18	0.00	0.00	34034
06-00102-W	19	0.00	0.00	34034

06-00102-W	2	5.00	5.00	34034
06-00102-W	20	0.00	0.00	34034
06-00102-W	21	0.00	0.00	34034
06-00102-W	22	0.00	0.00	34034
06-00102-W	3	5.00	5.00	34034
06-00102-W	4	3.00	3.00	34034
06-00102-W	5	5.00	5.00	34034
06-00102-W	6	3.00	3.00	34034
06-00102-W	7	3.00	3.00	34034
06-00102-W	8	3.00	3.00	34034
06-00102-W	9	3.00	3.00	34034
06-00103-W	C1	5.90	5.90	33533
06-00103-W	C2	5.90	5.90	33533
06-00103-W	C3	5.90	5.90	33533
06-00103-W	C4	5.90	5.90	33433
06-00103-W	C5	0.00	0.00	33433
06-00103-W	C6	0.00	0.00	33533
06-00103-W	C7	0.00	0.00	33533
06-00103-W	C8	0.00	0.00	33433
06-00103-W	E1	6.90	6.90	33534
06-00103-W	E10	10.70	10.70	33535
06-00103-W	E2	6.90	6.90	33534
06-00103-W	E3	6.90	6.90	33534
06-00103-W	E4	7.60	7.60	33534
06-00103-W	E5	7.60	7.60	33535
06-00103-W	E6	5.40	5.40	33534
06-00103-W	E7	6.10	6.10	33534
06-00103-W	E8	7.60	7.60	33535
06-00103-W	E9	10.70	10.70	33535
06-00104-W	1	100.00	100.00	33129
06-00112-W	1	33.00	33.00	33735
06-00112-W	2	33.00	33.00	33735
06-00112-W	3	33.00	33.00	33735
06-00120-W	1	0.00	0.00	03634
06-00120-W	10	6.00	6.00	33634
06-00120-W	11	6.00	6.00	33634
06-00120-W	12	6.00	6.00	33634
06-00120-W	13	6.00	6.00	33634
06-00120-W	14	6.00	6.00	33634
06-00120-W	15	6.00	6.00	33634
06-00120-W	16	6.00	6.00	33634
06-00120-W	17	0.00	0.00	03634
06-00120-W	18	0.00	0.00	03634
06-00120-W	19	0.00	0.00	03634
06-00120-W	2	6.00	6.00	03634
06-00120-W	20	0.00	0.00	03634
06-00120-W	21	0.00	0.00	03634
06-00120-W	22	0.00	0.00	03634
06-00120-W	23	0.00	0.00	33434
06-00120-W	24	0.00	0.00	33434
06-00120-W	25	4.00	4.00	33334
06-00120-W	26	4.00	4.00	33434
06-00120-W	27	3.00	3.00	33434
06-00120-W	28	3.00	3.00	33434
06-00120-W	29	7.00	7.00	33334
06-00120-W	3	6.00	6.00	03634
06-00120-W	30	0.00	0.00	33432

06-00120-W	31	0.00	0.00	33432
06-00120-W	32	0.00	0.00	33432
06-00120-W	33	0.00	0.00	33532
06-00120-W	34	0.00	0.00	03632
06-00120-W	35	0.00	0.00	33532
06-00120-W	36	0.00	0.00	03532
06-00120-W	37	0.00	0.00	03532
06-00120-W	38	0.00	0.00	03632
06-00120-W	39	0.00	0.00	03632
06-00120-W	4	6.00	6.00	03634
06-00120-W	40	0.00	0.00	03632
06-00120-W	41	0.00	0.00	03632
06-00120-W	42	0.00	0.00	03632
06-00120-W	43	0.00	0.00	03632
06-00120-W	44	0.00	0.00	03632
06-00120-W	45	0.00	0.00	03632
06-00120-W	5	6.00	6.00	03634
06-00120-W	6	0.00	0.00	33634
06-00120-W	7	6.00	6.00	33634
06-00120-W	8	6.00	6.00	33634
06-00120-W	9	0.00	0.00	33634
06-00121-W	1	4.00	4.00	33935
06-00121-W	10	13.00	13.00	33935
06-00121-W	11	13.00	13.00	33935
06-00121-W	12	13.00	13.00	33935
06-00121-W	2	5.00	5.00	33935
06-00121-W	3	6.00	6.00	33935
06-00121-W	4	6.00	6.00	33935
06-00121-W	5	6.00	6.00	33935
06-00121-W	6	6.00	6.00	33935
06-00121-W	7	6.00	6.00	33935
06-00121-W	8	9.00	9.00	33935
06-00121-W	9	9.00	9.00	33935
06-00123-W	1	1.00	1.00	33435
06-00123-W	10	1.00	1.00	33436
06-00123-W	11	1.00	1.00	33436
06-00123-W	12	0.00	0.00	33435
06-00123-W	13	0.00	0.00	33435
06-00123-W	14	0.00	0.00	33435
06-00123-W	15	0.00	0.00	33435
06-00123-W	16	0.00	0.00	33435
06-00123-W	17	0.00	0.00	33435
06-00123-W	18	0.00	0.00	33435
06-00123-W	19	0.00	0.00	33435
06-00123-W	2	1.00	1.00	33435
06-00123-W	20	0.00	0.00	33435
06-00123-W	21	0.00	0.00	33435
06-00123-W	22	0.00	0.00	33435
06-00123-W	23	1.00	1.00	33435
06-00123-W	24	1.00	1.00	33435
06-00123-W	25	1.00	1.00	33435
06-00123-W	3	1.00	1.00	33435
06-00123-W	4	1.00	1.00	33435
06-00123-W	40	0.00	0.00	33736
06-00123-W	41	0.00	0.00	33736
06-00123-W	42	0.00	0.00	33736
06-00123-W	43	0.00	0.00	33736

06-00123-W	47	0.00	0.00	33736
06-00123-W	48	0.00	0.00	33736
06-00123-W	49	9.55	9.55	33736
06-00123-W	5	1.00	1.00	33435
06-00123-W	50	9.55	9.55	33736
06-00123-W	51	0.00	0.00	33736
06-00123-W	52	0.00	0.00	33736
06-00123-W	53	9.55	9.55	33736
06-00123-W	54	9.55	9.55	33735
06-00123-W	55	9.55	9.55	33735
06-00123-W	56	9.55	9.55	33735
06-00123-W	57	9.55	9.55	33735
06-00123-W	58	0.00	0.00	33736
06-00123-W	59	0.00	0.00	33736
06-00123-W	6	1.00	1.00	33435
06-00123-W	60	0.00	0.00	33736
06-00123-W	61	9.55	9.55	33736
06-00123-W	62	0.00	0.00	33736
06-00123-W	63	9.55	9.55	33736
06-00123-W	64	0.00	0.00	33736
06-00123-W	65	0.00	0.00	33736
06-00123-W	66	0.00	0.00	33736
06-00123-W	67	0.00	0.00	33736
06-00123-W	68	0.00	0.00	33736
06-00123-W	69	0.00	0.00	33736
06-00123-W	7	1.00	1.00	33435
06-00123-W	70	0.00	0.00	33736
06-00123-W	71	0.00	0.00	33736
06-00123-W	72	0.00	0.00	33736
06-00123-W	8	1.00	1.00	33435
06-00123-W	9	1.00	1.00	33435
06-00123-W	fwell1	0.00	0.00	33636
06-00123-W	fwell2	0.00	0.00	33636
06-00123-W	fwell3	0.00	0.00	33636
06-00129-W	1	3.00	3.00	33635
06-00129-W	2	8.00	8.00	33535
06-00129-W	3	12.00	12.00	33635
06-00129-W	4	8.00	8.00	33535
06-00129-W	5	23.00	23.00	33635
06-00129-W	6	23.00	23.00	33635
06-00129-W	7	23.00	23.00	33635
06-00134-W	1	14.00	14.00	33335
06-00134-W	2	16.00	16.00	33335
06-00134-W	3	24.00	24.00	33335
06-00134-W	4	45.00	45.00	33335
06-00134-W	5	0.00	0.00	33234
06-00134-W	6	0.00	0.00	33234
06-00134-W	7	0.00	0.00	33234
06-00134-W	8	0.00	0.00	33234
06-00134-W	9	0.00	0.00	33234
06-00135-W	1	21.00	21.00	33134
06-00135-W	10	0.00	0.00	03031
06-00135-W	11	0.00	0.00	03031
06-00135-W	12	0.00	0.00	03031
06-00135-W	2	1.00	1.00	33134
06-00135-W	3	1.00	1.00	33134
06-00135-W	4	1.00	1.00	33134

06-00135-W	5	1.00	1.00	33134
06-00135-W	6	25.00	25.00	33135
06-00135-W	7	25.00	25.00	33135
06-00135-W	8	25.00	25.00	33135
06-00138-W	1	0.00	0.00	33037
06-00138-W	2	0.00	0.00	33037
06-00138-W	3	0.00	0.00	33037
06-00138-W	4	0.00	0.00	33037
06-00138-W	5	0.00	0.00	33037
06-00138-W	6	0.00	0.00	33037
06-00138-W	7	35.00	35.00	33037
06-00138-W	8	65.00	65.00	33037
06-00138-W	fwell1	0.00	0.00	33233
06-00138-W	fwell2	0.00	0.00	33233
06-00138-W	fwell3	0.00	0.00	33133
06-00138-W	fwell4	0.00	0.00	33133
06-00138-W	fwell5	0.00	0.00	33133
06-00138-W	fwell6	0.00	0.00	33133
06-00142-W	1 East	3.00	3.00	34038
06-00142-W	10 East	0.00	0.00	34138
06-00142-W	11 East	0.00	0.00	34138
06-00142-W	2 East	10.00	10.00	34038
06-00142-W	3 East	4.00	4.00	34039
06-00142-W	4 East	15.00	15.00	34038
06-00142-W	5 East	9.00	9.00	34038
06-00142-W	6 East	10.00	10.00	34038
06-00142-W	7 East	20.00	20.00	34038
06-00142-W	8 East	16.00	16.00	34038
06-00142-W	9 East	12.00	12.00	34038
06-00142-W	fwell1	0.00	0.00	34037
06-00145-W	1	25.00	25.00	33236
06-00145-W	17	0.00	0.00	33133
06-00145-W	18	0.00	0.00	33133
06-00145-W	19	0.00	0.00	33133
06-00145-W	2	25.00	25.00	33236
06-00145-W	20	0.00	0.00	33133
06-00145-W	21	0.00	0.00	33133
06-00145-W	22	0.00	0.00	33133
06-00145-W	23	0.00	0.00	33133
06-00145-W	24	0.00	0.00	33133
06-00145-W	3	25.00	25.00	33236
06-00145-W	4	25.00	25.00	33236
06-00145-W	5	0.00	0.00	33235
06-00145-W	6	0.00	0.00	33235
06-00146-W	1	11.00	11.00	33635
06-00146-W	2	11.00	11.00	33635
06-00146-W	3	10.00	10.00	33635
06-00146-W	4	11.00	11.00	33635
06-00146-W	5	19.00	19.00	33635
06-00146-W	6	19.00	19.00	33635
06-00146-W	7	19.00	19.00	33635
06-00146-W	8	0.00	0.00	33635
06-00146-W	9	0.00	0.00	33635
06-00147-W	1	2.00	2.00	33035
06-00147-W	2	8.00	8.00	33035
06-00147-W	3	11.00	11.00	33035
06-00147-W	A	19.00	19.00	32936

06-00147-W	B	20.00	20.00	32936
06-00147-W	C	20.00	20.00	32936
06-00147-W	D	20.00	20.00	32936
06-00147-W	fwell1	0.00	0.00	33233
06-00147-W	fwell2	0.00	0.00	33133
06-00147-W	fwell3	0.00	0.00	33133
06-00147-W	fwell4	0.00	0.00	33133
06-00163-W	1	100.00	100.00	33034
06-00170-W	1	0.00	0.00	33335
06-00170-W	2	0.00	0.00	33335
06-00170-W	3	80.00	80.00	33335
06-00170-W	4	20.00	20.00	33335
06-00187-W	1	63.00	63.00	33236
06-00187-W	2	37.00	37.00	33236
06-00187-W	fwell1	0.00	0.00	33133
06-00187-W	fwell2	0.00	0.00	33133
06-00207-W	1	100.00	100.00	34136
06-00231-W	1	100.00	100.00	34137
06-00242-W	1	50.00	50.00	34135
06-00242-W	2	50.00	50.00	34135
06-00274-W	1	0.00	0.00	34034
06-00274-W	10	0.00	0.00	34134
06-00274-W	11	0.00	0.00	34134
06-00274-W	12	0.00	0.00	34134
06-00274-W	13	0.00	0.00	34134
06-00274-W	14	0.00	0.00	34134
06-00274-W	2	25.00	25.00	34034
06-00274-W	2A	25.00	25.00	34034
06-00274-W	3	0.00	0.00	34134
06-00274-W	4	0.00	0.00	34034
06-00274-W	5	0.00	0.00	34134
06-00274-W	6	25.00	25.00	34134
06-00274-W	7	25.00	25.00	34034
06-00274-W	8	0.00	0.00	34134
06-00274-W	9	0.00	0.00	34134
06-00316-W	1	100.00	100.00	34136
06-00365-W	1	12.00	12.00	33233
06-00365-W	1	21.00	21.00	33232
06-00365-W	2	12.00	12.00	33233
06-00365-W	3	12.00	12.00	33233
06-00365-W	3	21.00	21.00	33232
06-00365-W	4	21.00	21.00	33232
06-00365-W	5	0.00	0.00	33232
06-00365-W	6	0.00	0.00	33232
06-00365-W	7	0.00	0.00	33232
06-00435-W	1	33.00	33.00	33231
06-00435-W	2	33.00	33.00	33231
06-00435-W	3	33.00	33.00	33231
06-01634-W	1 North	10.00	10.00	34236
06-01634-W	10 North	10.00	10.00	34137
06-01634-W	2 North	10.00	10.00	34236
06-01634-W	3 North	10.00	10.00	34137
06-01634-W	4 North	10.00	10.00	34137
06-01634-W	5 North	10.00	10.00	34137
06-01634-W	6 North	10.00	10.00	34137
06-01634-W	7 North	10.00	10.00	34137
06-01634-W	8 North	10.00	10.00	34137

06-01634-W	9 North	10.00	10.00	34137
13-00005-W	1	8.33	8.33	31126
13-00005-W	10	0.00	0.00	31126
13-00005-W	11	0.00	0.00	31126
13-00005-W	12	0.00	0.00	31126
13-00005-W	13	0.00	0.00	31126
13-00005-W	14	0.00	0.00	31126
13-00005-W	2	8.33	8.33	31126
13-00005-W	3	8.33	8.33	31126
13-00005-W	390	8.33	8.33	31126
13-00005-W	391	8.33	8.33	31126
13-00005-W	393	8.33	8.33	31126
13-00005-W	4	8.33	8.33	31126
13-00005-W	5	8.33	8.33	31126
13-00005-W	6	8.33	8.33	31126
13-00005-W	7	8.33	8.33	31126
13-00005-W	8	8.33	8.33	31126
13-00005-W	9	8.33	8.33	31126
13-00005-W	fwell1	0.00	0.00	31226
13-00009-W	1	100.00	100.00	31530
13-00017-W	1	3.57	3.57	32031
13-00017-W	10	3.57	3.57	32031
13-00017-W	11	3.57	3.57	32030
13-00017-W	12	3.57	3.57	32030
13-00017-W	13	3.57	3.57	32030
13-00017-W	14	3.57	3.57	32030
13-00017-W	15	3.57	3.57	32030
13-00017-W	16	3.57	3.57	32030
13-00017-W	17	3.57	3.57	32030
13-00017-W	18	3.57	3.57	32030
13-00017-W	19	3.57	3.57	32030
13-00017-W	2	3.57	3.57	32031
13-00017-W	20	3.57	3.57	32029
13-00017-W	21	3.57	3.57	32031
13-00017-W	22	3.57	3.57	32031
13-00017-W	23	3.57	3.57	32031
13-00017-W	24	3.57	3.57	32031
13-00017-W	25	3.57	3.57	32029
13-00017-W	26	3.57	3.57	32029
13-00017-W	27	3.57	3.57	32029
13-00017-W	28	3.57	3.57	31929
13-00017-W	29	0.00	0.00	32027
13-00017-W	3	3.57	3.57	32031
13-00017-W	30	0.00	0.00	32027
13-00017-W	31	0.00	0.00	32027
13-00017-W	32	0.00	0.00	32027
13-00017-W	4	3.57	3.57	32031
13-00017-W	5	3.57	3.57	32031
13-00017-W	6	3.57	3.57	32031
13-00017-W	7	3.57	3.57	32031
13-00017-W	8	3.57	3.57	32031
13-00017-W	9	3.57	3.57	32031
13-00017-W	FL-1	0.00	0.00	02027
13-00017-W	FL-2	0.00	0.00	02027
13-00017-W	fwell1	0.00	0.00	31328
13-00017-W	fwell2	0.00	0.00	31328
13-00017-W	fwell3	0.00	0.00	31328

13-00017-W	fwell4	0.00	0.00	31328
13-00017-W	fwell5	0.00	0.00	31328
13-00017-W	fwell6	0.00	0.00	31328
13-00017-W	fwell7	0.00	0.00	31328
13-00017-W	fwell8	0.00	0.00	31328
13-00017-W	fwell9	0.00	0.00	31328
13-00029-W	1	25.00	25.00	31127
13-00029-W	2	25.00	25.00	31127
13-00029-W	3	25.00	25.00	31127
13-00029-W	4	25.00	25.00	31127
13-00029-W	fwell1	0.00	0.00	31328
13-00029-W	fwell2	0.00	0.00	31328
13-00037-W	1	6.33	6.33	32529
13-00037-W	10	6.33	6.33	32529
13-00037-W	11	6.33	6.33	32529
13-00037-W	12	6.33	6.33	32429
13-00037-W	13	6.33	6.33	32429
13-00037-W	14	6.33	6.33	32429
13-00037-W	15	6.33	6.33	32429
13-00037-W	2	6.33	6.33	32529
13-00037-W	3	6.33	6.33	32529
13-00037-W	4	6.33	6.33	32529
13-00037-W	5	6.33	6.33	32529
13-00037-W	6	6.33	6.33	32529
13-00037-W	7	6.33	6.33	32529
13-00037-W	8	6.33	6.33	32529
13-00037-W	9	6.33	6.33	32529
13-00037-W	HP-11	0.17	0.17	32433
13-00037-W	HP-12	0.17	0.17	32433
13-00037-W	HP-13	0.17	0.17	32433
13-00037-W	JP-1	0.17	0.17	32433
13-00037-W	JP-2	0.17	0.17	32433
13-00037-W	JP-3	0.17	0.17	32533
13-00037-W	JP-4	0.17	0.17	32433
13-00037-W	JP-5	0.17	0.17	32433
13-00037-W	JP-6	0.17	0.17	32533
13-00037-W	JP-7	0.17	0.17	32433
13-00037-W	MS-1	0.17	0.17	32433
13-00037-W	MS-10	0.17	0.17	32433
13-00037-W	MS-14	0.17	0.17	32433
13-00037-W	MS-15	0.17	0.17	32433
13-00037-W	MS-16	0.17	0.17	32433
13-00037-W	MS-17	0.17	0.17	32433
13-00037-W	MS-18	0.17	0.17	32433
13-00037-W	MS-19	0.17	0.17	32432
13-00037-W	MS-2	0.17	0.17	32433
13-00037-W	MS-20	0.17	0.17	32433
13-00037-W	MS-21	0.17	0.17	32433
13-00037-W	MS-22	0.17	0.17	32432
13-00037-W	MS-23	0.17	0.17	32432
13-00037-W	MS-3	0.17	0.17	32433
13-00037-W	MS-4	0.17	0.17	32433
13-00037-W	MS-5	0.17	0.17	32433
13-00037-W	MS-6	0.17	0.17	32433
13-00037-W	MS-7	0.17	0.17	32433
13-00037-W	MS-8	0.17	0.17	32433
13-00037-W	MS-9	0.17	0.17	32432

13-00040-W	1	4.00	4.00	31026
13-00040-W	10	23.00	23.00	31329
13-00040-W	11	0.00	0.00	31329
13-00040-W	12	1.00	1.00	31327
13-00040-W	13	0.00	0.00	31327
13-00040-W	14	4.00	4.00	31429
13-00040-W	2	0.00	0.00	31026
13-00040-W	3	0.00	0.00	31026
13-00040-W	4	11.00	11.00	31328
13-00040-W	5	11.00	11.00	31328
13-00040-W	6	11.00	11.00	31328
13-00040-W	7	11.00	11.00	31328
13-00040-W	8	24.00	24.00	31128
13-00040-W	9	0.00	0.00	31128
13-00040-W	P-1	0.00	0.00	01527
13-00040-W	P-10	0.00	0.00	01527
13-00040-W	P-11	0.00	0.00	01527
13-00040-W	P-12	0.00	0.00	01527
13-00040-W	P-13	0.00	0.00	01527
13-00040-W	P-14	0.00	0.00	01527
13-00040-W	P-15	0.00	0.00	01527
13-00040-W	P-2	0.00	0.00	01527
13-00040-W	P-3	0.00	0.00	01527
13-00040-W	P-4	0.00	0.00	01527
13-00040-W	P-5	0.00	0.00	01527
13-00040-W	P-6	0.00	0.00	01527
13-00040-W	P-7	0.00	0.00	01527
13-00040-W	P-8	0.00	0.00	01527
13-00040-W	P-9	0.00	0.00	01527
13-00046-W	1	16.67	16.67	31227
13-00046-W	2	16.67	16.67	31227
13-00046-W	3	16.67	16.67	31227
13-00046-W	4	16.67	16.67	31227
13-00046-W	5	16.67	16.67	31228
13-00046-W	6	16.67	16.67	31227
13-00046-W	fwell1	0.00	0.00	31327
13-00051-W	1	100.00	100.00	32936
13-00059-W	1	12.50	12.50	32635
13-00059-W	2	12.50	12.50	32635
13-00059-W	3	12.50	12.50	32635
13-00059-W	4	12.50	12.50	32635
13-00059-W	5	12.50	12.50	32635
13-00059-W	6	12.50	12.50	32635
13-00059-W	7	12.50	12.50	32635
13-00059-W	8	12.50	12.50	32635
13-00059-W	fwell1	0.00	0.00	32634
13-00060-W	1	10.00	10.00	32935
13-00060-W	10	10.00	10.00	32935
13-00060-W	11	0.00	0.00	02935
13-00060-W	12	0.00	0.00	02935
13-00060-W	13	0.00	0.00	02935
13-00060-W	14	0.00	0.00	02935
13-00060-W	15	0.00	0.00	02835
13-00060-W	2	10.00	10.00	32935
13-00060-W	3	10.00	10.00	32935
13-00060-W	4	10.00	10.00	32935
13-00060-W	5	10.00	10.00	32935

13-00060-W	6	10.00	10.00	32935
13-00060-W	7	10.00	10.00	32935
13-00060-W	8	10.00	10.00	32935
13-00060-W	9	10.00	10.00	32935
13-00060-W	fwell1	0.00	0.00	32834
13-00062-W	1	100.00	100.00	31631
13-00065-W	1	100.00	100.00	32733
13-00067-W	1	100.00	100.00	31630
13-00068-W	1	33.33	33.33	31329
13-00068-W	2	33.33	33.33	31329
13-00068-W	3	33.33	33.33	31329
50-00010-W	1	3.33	3.33	36237
50-00010-W	10	3.33	3.33	36237
50-00010-W	11	3.33	3.33	36237
50-00010-W	12	3.33	3.33	36238
50-00010-W	13	3.33	3.33	36238
50-00010-W	14	3.33	3.33	36238
50-00010-W	15	3.33	3.33	36238
50-00010-W	16	3.33	3.33	36238
50-00010-W	17	3.33	3.33	36238
50-00010-W	18	3.33	3.33	36238
50-00010-W	19	3.33	3.33	36238
50-00010-W	2	3.33	3.33	36237
50-00010-W	20	3.33	3.33	36237
50-00010-W	21	3.33	3.33	36237
50-00010-W	22	3.33	3.33	36237
50-00010-W	23	3.33	3.33	36138
50-00010-W	24	3.33	3.33	36138
50-00010-W	25	2.43	2.43	36137
50-00010-W	26	3.33	3.33	36137
50-00010-W	27	3.33	3.33	36137
50-00010-W	28	3.33	3.33	36137
50-00010-W	29	3.33	3.33	36238
50-00010-W	3	3.33	3.33	36237
50-00010-W	30	3.33	3.33	36238
50-00010-W	31	0.00	0.00	36237
50-00010-W	32	0.00	0.00	36237
50-00010-W	33	0.00	0.00	36237
50-00010-W	34	0.00	0.00	36238
50-00010-W	35	0.00	0.00	36237
50-00010-W	36	0.00	0.00	36237
50-00010-W	37	0.00	0.00	36237
50-00010-W	38	0.00	0.00	36238
50-00010-W	39	0.00	0.00	36238
50-00010-W	4	3.33	3.33	36237
50-00010-W	40	0.00	0.00	36138
50-00010-W	41	0.00	0.00	36138
50-00010-W	42	0.00	0.00	36238
50-00010-W	43	0.00	0.00	36138
50-00010-W	44	0.00	0.00	36138
50-00010-W	45	0.00	0.00	06138
50-00010-W	46	0.00	0.00	06138
50-00010-W	47	0.00	0.00	06138
50-00010-W	48	0.00	0.00	06138
50-00010-W	49	0.00	0.00	06138
50-00010-W	5	3.33	3.33	36237
50-00010-W	50	0.00	0.00	06138

50-00010-W	51	0.00	0.00	06138
50-00010-W	52	0.00	0.00	06138
50-00010-W	53	0.00	0.00	06138
50-00010-W	54	0.00	0.00	06138
50-00010-W	55	0.00	0.00	06138
50-00010-W	56	0.00	0.00	06337
50-00010-W	57	0.00	0.00	06337
50-00010-W	58	0.00	0.00	06337
50-00010-W	59	0.00	0.00	06337
50-00010-W	6	3.33	3.33	36237
50-00010-W	60	0.00	0.00	06337
50-00010-W	61	0.00	0.00	06337
50-00010-W	62	0.00	0.00	06337
50-00010-W	63	0.00	0.00	06337
50-00010-W	64	0.00	0.00	06337
50-00010-W	65	0.00	0.00	06337
50-00010-W	66	0.00	0.00	06337
50-00010-W	7	3.33	3.33	36237
50-00010-W	8	3.33	3.33	36237
50-00010-W	9	3.33	3.33	36237
50-00010-W	RO-1	0.00	0.00	06237
50-00010-W	RO-10	0.00	0.00	06236
50-00010-W	RO-11	0.00	0.00	06236
50-00010-W	RO-12	0.00	0.00	06136
50-00010-W	RO-13	0.00	0.00	06136
50-00010-W	RO-2	0.00	0.00	06237
50-00010-W	RO-3	0.00	0.00	06237
50-00010-W	RO-4	0.00	0.00	06237
50-00010-W	RO-5	0.00	0.00	06237
50-00010-W	RO-6	0.00	0.00	06237
50-00010-W	RO-7	0.00	0.00	06237
50-00010-W	RO-8	0.00	0.00	06237
50-00010-W	RO-9	0.00	0.00	06236
50-00010-W	fwell1	0.00	0.00	36235
50-00022-W	1	100.00	100.00	35137
50-00030-W	1	33.33	33.33	35739
50-00030-W	2	33.34	33.34	35739
50-00030-W	3	33.33	33.33	35739
50-00030-W	4	0.00	0.00	35739
50-00030-W	5	0.00	0.00	35639
50-00030-W	6	0.00	0.00	35639
50-00036-W	ALT1-E	0.00	0.00	35338
50-00036-W	ALT1-W	0.00	0.00	35237
50-00036-W	ALT2-E	0.00	0.00	35238
50-00036-W	ALT2-W	0.00	0.00	35237
50-00036-W	E1	0.00	0.00	35239
50-00036-W	E10	12.50	12.50	35339
50-00036-W	E11	0.00	0.00	35338
50-00036-W	E11-E	0.00	0.00	35339
50-00036-W	E12	0.00	0.00	35338
50-00036-W	E13	0.00	0.00	35238
50-00036-W	E14	0.00	0.00	35238
50-00036-W	E15	0.00	0.00	35238
50-00036-W	E2	0.00	0.00	35239
50-00036-W	E3	0.00	0.00	35239
50-00036-W	E4	0.00	0.00	35239
50-00036-W	E5	0.00	0.00	35239

50-00036-W	E6	0.00	0.00	35239
50-00036-W	E7	0.00	0.00	35239
50-00036-W	E8	12.50	12.50	35239
50-00036-W	E9	12.50	12.50	35339
50-00036-W	W1	12.50	12.50	35338
50-00036-W	W2	12.50	12.50	35338
50-00036-W	W3	12.50	12.50	35338
50-00036-W	W4	12.50	12.50	35338
50-00036-W	W5	12.50	12.50	35338
50-00036-W	W6	0.00	0.00	35338
50-00036-W	W7	0.00	0.00	35238
50-00046-W	10	0.00	0.00	36339
50-00046-W	11	0.00	0.00	36439
50-00046-W	12	0.00	0.00	36439
50-00046-W	14	0.00	0.00	36439
50-00046-W	15	0.00	0.00	36439
50-00046-W	17	14.29	14.29	36439
50-00046-W	18	14.29	14.29	36439
50-00046-W	19	14.29	14.29	36439
50-00046-W	20	14.29	14.29	36439
50-00046-W	21	0.00	0.00	36439
50-00046-W	22	0.00	0.00	36439
50-00046-W	23	14.29	14.29	36439
50-00046-W	24	0.00	0.00	36438
50-00046-W	25	0.00	0.00	36338
50-00046-W	26	0.00	0.00	36338
50-00046-W	27	0.00	0.00	36338
50-00046-W	28	0.00	0.00	36439
50-00046-W	5	0.00	0.00	36339
50-00046-W	7R	14.29	14.29	36339
50-00046-W	8R	14.29	14.29	36339
50-00046-W	RO-1	0.00	0.00	06439
50-00046-W	RO-2	0.00	0.00	06439
50-00083-W	2	20.00	20.00	35139
50-00083-W	3	20.00	20.00	35139
50-00083-W	4	20.00	20.00	35139
50-00083-W	5	20.00	20.00	35139
50-00083-W	6	20.00	20.00	35139
50-00126-W	1	100.00	100.00	36237
50-00131-W	1	0.00	0.00	15419
50-00135-W	1W-1	0.30	0.30	35439
50-00135-W	1W-10	0.30	0.30	35438
50-00135-W	1W-11	0.30	0.30	35438
50-00135-W	1W-12	0.30	0.30	35438
50-00135-W	1W-13	0.30	0.30	35438
50-00135-W	1W-2	0.00	0.00	35439
50-00135-W	1W-3	0.00	0.00	35439
50-00135-W	1W-4	0.30	0.30	35439
50-00135-W	1W-5	0.30	0.30	35439
50-00135-W	1W-6	0.30	0.30	35439
50-00135-W	1W-7	0.30	0.30	35439
50-00135-W	1W-8	0.30	0.30	35438
50-00135-W	1W-9	0.30	0.30	35438
50-00135-W	2W-1	2.85	2.85	35237
50-00135-W	2W-10	2.85	2.85	35237
50-00135-W	2W-11	2.85	2.85	35237
50-00135-W	2W-12	2.85	2.85	35237

50-00135-W	2W-13	2.85	2.85	35237
50-00135-W	2W-14	0.00	0.00	05237
50-00135-W	2W-15	0.00	0.00	05236
50-00135-W	2W-2	2.85	2.85	35237
50-00135-W	2W-3	2.85	2.85	35237
50-00135-W	2W-4	2.85	2.85	35237
50-00135-W	2W-5	2.85	2.85	35237
50-00135-W	2W-6	2.85	2.85	35237
50-00135-W	2W-7	2.85	2.85	35237
50-00135-W	2W-9	2.85	2.85	35237
50-00135-W	5W-1	0.00	0.00	34937
50-00135-W	5W-2	0.00	0.00	34937
50-00135-W	8W-1	3.40	3.40	35537
50-00135-W	8W-10	3.40	3.40	35437
50-00135-W	8W-11	3.40	3.40	35437
50-00135-W	8W-12	3.40	3.40	35437
50-00135-W	8W-13	3.40	3.40	35437
50-00135-W	8W-14	3.40	3.40	35437
50-00135-W	8W-15	3.40	3.40	35437
50-00135-W	8W-16	3.40	3.40	35437
50-00135-W	8W-17	3.40	3.40	35437
50-00135-W	8W-18	3.40	3.40	35437
50-00135-W	8W-2	3.40	3.40	35537
50-00135-W	8W-22	0.00	0.00	05437
50-00135-W	8W-23	0.00	0.00	05437
50-00135-W	8W-24	0.00	0.00	05437
50-00135-W	8W-25	0.00	0.00	05437
50-00135-W	8W-26	0.00	0.00	05437
50-00135-W	8W-27	0.00	0.00	05438
50-00135-W	8W-28	0.00	0.00	05438
50-00135-W	8W-29	0.00	0.00	05438
50-00135-W	8W-3	3.40	3.40	35537
50-00135-W	8W-30	0.00	0.00	05438
50-00135-W	8W-31	0.00	0.00	05437
50-00135-W	8W-32	0.00	0.00	05437
50-00135-W	8W-33	0.00	0.00	05437
50-00135-W	8W-34	0.00	0.00	05437
50-00135-W	8W-35	0.00	0.00	05438
50-00135-W	8W-36	0.00	0.00	05438
50-00135-W	8W-37	0.00	0.00	05438
50-00135-W	8W-38	0.00	0.00	05438
50-00135-W	8W-39	0.00	0.00	05438
50-00135-W	8W-4	3.40	3.40	35537
50-00135-W	8W-40	0.00	0.00	05438
50-00135-W	8W-41	0.00	0.00	05438
50-00135-W	8W-42	0.00	0.00	05437
50-00135-W	8W-5	3.40	3.40	35537
50-00135-W	8W-6	3.40	3.40	35537
50-00135-W	8W-7	3.40	3.40	35537
50-00135-W	8W-8	3.40	3.40	35537
50-00135-W	8W-MB1	1.57	1.57	35437
50-00135-W	8W-MB2	1.57	1.57	35437
50-00135-W	8W-MB3	1.57	1.57	35437
50-00137-W	1	50.00	50.00	34938
50-00137-W	2	50.00	50.00	34938
50-00177-W	1	4.50	4.50	34739
50-00177-W	10	0.00	0.00	34639

50-00177-W	11	0.00	0.00	34639
50-00177-W	12	1.47	1.47	34639
50-00177-W	13	1.47	1.47	34639
50-00177-W	14	0.00	0.00	34639
50-00177-W	15	0.00	0.00	34639
50-00177-W	16	1.47	1.47	34639
50-00177-W	17	1.47	1.47	34639
50-00177-W	2	4.50	4.50	34639
50-00177-W	21	6.67	6.67	34639
50-00177-W	22	6.67	6.67	34639
50-00177-W	23	6.67	6.67	34639
50-00177-W	24	6.67	6.67	34639
50-00177-W	25	6.67	6.67	34639
50-00177-W	26	6.67	6.67	34639
50-00177-W	27	3.02	3.02	34639
50-00177-W	28	3.02	3.02	34639
50-00177-W	29	3.02	3.02	34639
50-00177-W	3	4.50	4.50	34639
50-00177-W	30	3.02	3.02	34639
50-00177-W	31	3.02	3.02	34639
50-00177-W	32	3.02	3.02	34639
50-00177-W	34	3.02	3.02	34639
50-00177-W	35	0.00	0.00	34639
50-00177-W	36	0.00	0.00	34639
50-00177-W	37	0.00	0.00	04537
50-00177-W	38	0.00	0.00	04537
50-00177-W	39	0.00	0.00	04537
50-00177-W	40	0.00	0.00	04537
50-00177-W	41	0.00	0.00	04537
50-00177-W	42	0.00	0.00	04537
50-00177-W	43	0.00	0.00	04537
50-00177-W	44	0.00	0.00	04537
50-00177-W	45	0.00	0.00	04537
50-00177-W	46	0.00	0.00	04537
50-00177-W	47	0.00	0.00	04537
50-00177-W	5	4.50	4.50	34639
50-00177-W	6	4.50	4.50	34639
50-00177-W	7	4.50	4.50	34639
50-00177-W	8	4.50	4.50	34639
50-00177-W	9	1.47	1.47	34639
50-00178-W	1	33.00	33.00	35538
50-00178-W	2	34.00	34.00	35538
50-00178-W	3	33.00	33.00	35538
50-00179-W	1	50.00	50.00	34938
50-00179-W	2	50.00	50.00	34938
50-00186-W	1	100.00	100.00	36239
50-00234-W	LW-1	6.67	6.67	35140
50-00234-W	LW-10	6.67	6.67	35140
50-00234-W	LW-11	6.67	6.67	35140
50-00234-W	LW-13	6.67	6.67	35140
50-00234-W	LW-14	6.67	6.67	35140
50-00234-W	LW-15	6.67	6.67	35139
50-00234-W	LW-16	0.00	0.00	05140
50-00234-W	LW-17	0.00	0.00	05139
50-00234-W	LW-2	6.67	6.67	35140
50-00234-W	LW-3	6.67	6.67	35140
50-00234-W	LW-4	6.67	6.67	35140

50-00234-W	LW-5	6.67	6.67	35140
50-00234-W	LW-6	6.67	6.67	35140
50-00234-W	LW-7	6.67	6.67	35140
50-00234-W	LW-8	6.67	6.67	35140
50-00234-W	LW-9	6.67	6.67	35240
50-00234-W	LW12	6.67	6.67	35139
50-00234-W	fwell1	0.00	0.00	35139
50-00234-W	fwell2	0.00	0.00	35139
50-00234-W	fwell3	0.00	0.00	35139
50-00234-W	fwell4	0.00	0.00	35139
50-00234-W	fwell5	0.00	0.00	35139
50-00234-W	fwell6	0.00	0.00	35139
50-00234-W	fwell7	0.00	0.00	35139
50-00234-W	fwell8	0.00	0.00	35139
50-00234-W	fwell9	0.00	0.00	35139
50-00267-W	1	0.00	0.00	15922
50-00346-W	4	25.00	25.00	34439
50-00346-W	5	25.00	25.00	34439
50-00346-W	6	25.00	25.00	34439
50-00346-W	7	25.00	25.00	34439
50-00365-W	BR21	2.42	2.42	35839
50-00365-W	BR22	2.42	2.42	35839
50-00365-W	BR23	2.42	2.42	35839
50-00365-W	BR24	2.42	2.42	35839
50-00365-W	BR25	2.42	2.42	35839
50-00365-W	HR1	4.58	4.58	36038
50-00365-W	HR10	4.58	4.58	36038
50-00365-W	HR11	4.58	4.58	36038
50-00365-W	HR12	4.58	4.58	36038
50-00365-W	HR13	4.58	4.58	36038
50-00365-W	HR14	4.58	4.58	36038
50-00365-W	HR16	4.58	4.58	36038
50-00365-W	HR17	4.58	4.58	36038
50-00365-W	HR18	4.58	4.58	35938
50-00365-W	HR5	4.58	4.58	36038
50-00365-W	HR6	4.58	4.58	36038
50-00365-W	HR7	4.58	4.58	36038
50-00365-W	HR8	4.58	4.58	36038
50-00365-W	HR9	4.58	4.58	36038
50-00365-W	LSP1	0.49	0.49	35938
50-00365-W	LSP2	0.49	0.49	35938
50-00365-W	MT1	0.00	0.00	06038
50-00365-W	MT2	0.00	0.00	06038
50-00365-W	MT3	0.00	0.00	06038
50-00365-W	MT4	0.00	0.00	06038
50-00365-W	NPB1	2.42	2.42	35839
50-00365-W	NPB2	2.42	2.42	35839
50-00365-W	NPB4	2.42	2.42	35839
50-00365-W	NPB5	2.42	2.42	35839
50-00365-W	NPB6	2.42	2.42	35839
50-00365-W	NPB7	2.42	2.42	35839
50-00365-W	NPB8	2.42	2.42	35839
50-00365-W	OD12	0.00	0.00	35839
50-00365-W	OD15	0.00	0.00	35839
50-00365-W	PBG10	0.49	0.49	35938
50-00365-W	PBG11	0.49	0.49	35938
50-00365-W	PBG4	0.49	0.49	35938

50-00365-W	PBG6	0.49	0.49	35938
50-00365-W	PBG7	0.49	0.49	35938
50-00365-W	PBG8	0.49	0.49	35938
50-00365-W	PBG9	0.49	0.49	35938
50-00365-W	RR3	2.42	2.42	35839
50-00365-W	RR9	0.00	0.00	35839
50-00365-W	fwell1	0.00	0.00	35838
50-00367-W	1-E	1.00	1.00	34239
50-00367-W	1-W	2.00	2.00	34338
50-00367-W	10-E	1.00	1.00	34339
50-00367-W	10-W	0.00	0.00	34338
50-00367-W	11-E	1.00	1.00	34339
50-00367-W	11-W	0.00	0.00	34338
50-00367-W	12-E	0.00	0.00	34339
50-00367-W	12-W	0.00	0.00	34338
50-00367-W	13-E	1.00	1.00	34339
50-00367-W	13-W	4.00	4.00	34337
50-00367-W	14-E	1.00	1.00	34339
50-00367-W	14-W	4.00	4.00	34337
50-00367-W	15-E	1.00	1.00	34339
50-00367-W	15-W	4.00	4.00	34338
50-00367-W	16-E	0.00	0.00	34339
50-00367-W	16-W	4.00	4.00	34338
50-00367-W	17-E	1.00	1.00	34339
50-00367-W	17-W	4.00	4.00	34438
50-00367-W	18-E	1.00	1.00	34339
50-00367-W	18-W	4.00	4.00	34438
50-00367-W	19-E	1.00	1.00	34339
50-00367-W	19-W	4.00	4.00	34438
50-00367-W	2-W	3.00	3.00	34338
50-00367-W	20-E	1.00	1.00	34439
50-00367-W	20-W	4.00	4.00	34438
50-00367-W	21-E	1.00	1.00	34439
50-00367-W	21-W	4.00	4.00	34438
50-00367-W	22-E	2.00	2.00	34439
50-00367-W	22-W	4.00	4.00	34437
50-00367-W	23-E	2.00	2.00	34439
50-00367-W	23-W	4.00	4.00	34437
50-00367-W	24-E	0.00	0.00	34339
50-00367-W	24-W	4.00	4.00	34438
50-00367-W	25-E	2.00	2.00	34339
50-00367-W	25-W	4.00	4.00	34438
50-00367-W	26-W	4.00	4.00	34437
50-00367-W	27-W	0.00	0.00	34438
50-00367-W	29-W	0.00	0.00	34438
50-00367-W	3-E	1.00	1.00	34339
50-00367-W	3-W	0.00	0.00	34338
50-00367-W	30-W	0.00	0.00	34438
50-00367-W	32-W	0.00	0.00	34437
50-00367-W	35-W	0.00	0.00	34437
50-00367-W	36-W	0.00	0.00	34437
50-00367-W	37-W	0.00	0.00	34437
50-00367-W	38-W	0.00	0.00	34437
50-00367-W	39-W	0.00	0.00	34438
50-00367-W	4-E	0.00	0.00	34339
50-00367-W	4-W	4.00	4.00	34338
50-00367-W	40-W	0.00	0.00	34236

50-00367-W	41-W	0.00	0.00	34237
50-00367-W	42-W	0.00	0.00	34237
50-00367-W	5-E	0.00	0.00	34339
50-00367-W	5-W	4.00	4.00	34238
50-00367-W	6-W	4.00	4.00	34238
50-00367-W	7-W	4.00	4.00	34238
50-00367-W	7-W(R)	0.00	0.00	34238
50-00367-W	8-W	4.00	4.00	34238
50-00367-W	9-E	0.00	0.00	34339
50-00367-W	9-W	0.00	0.00	34238
50-00367-W	9-W(R)	0.00	0.00	34238
50-00367-W	fwell1	0.00	0.00	34437
50-00367-W	fwell10	0.00	0.00	34437
50-00367-W	fwell11	0.00	0.00	34337
50-00367-W	fwell12	0.00	0.00	34337
50-00367-W	fwell13	0.00	0.00	34337
50-00367-W	fwell14	0.00	0.00	34337
50-00367-W	fwell15	0.00	0.00	34337
50-00367-W	fwell16	0.00	0.00	34337
50-00367-W	fwell17	0.00	0.00	34337
50-00367-W	fwell18	0.00	0.00	34337
50-00367-W	fwell19	0.00	0.00	34437
50-00367-W	fwell2	0.00	0.00	34337
50-00367-W	fwell20	0.00	0.00	34337
50-00367-W	fwell21	0.00	0.00	34337
50-00367-W	fwell22	0.00	0.00	34337
50-00367-W	fwell23	0.00	0.00	34337
50-00367-W	fwell24	0.00	0.00	34337
50-00367-W	fwell25	0.00	0.00	34337
50-00367-W	fwell26	0.00	0.00	34337
50-00367-W	fwell27	0.00	0.00	34337
50-00367-W	fwell28	0.00	0.00	34437
50-00367-W	fwell29	0.00	0.00	34337
50-00367-W	fwell3	0.00	0.00	34337
50-00367-W	fwell30	0.00	0.00	34337
50-00367-W	fwell31	0.00	0.00	34337
50-00367-W	fwell32	0.00	0.00	34337
50-00367-W	fwell33	0.00	0.00	34337
50-00367-W	fwell34	0.00	0.00	34337
50-00367-W	fwell35	0.00	0.00	34337
50-00367-W	fwell36	0.00	0.00	34337
50-00367-W	fwell37	0.00	0.00	34437
50-00367-W	fwell38	0.00	0.00	34337
50-00367-W	fwell39	0.00	0.00	34337
50-00367-W	fwell4	0.00	0.00	34337
50-00367-W	fwell40	0.00	0.00	34337
50-00367-W	fwell41	0.00	0.00	34337
50-00367-W	fwell42	0.00	0.00	34337
50-00367-W	fwell43	0.00	0.00	34337
50-00367-W	fwell44	0.00	0.00	34337
50-00367-W	fwell45	0.00	0.00	34337
50-00367-W	fwell46	0.00	0.00	34337
50-00367-W	fwell5	0.00	0.00	34337
50-00367-W	fwell6	0.00	0.00	34337
50-00367-W	fwell7	0.00	0.00	34337
50-00367-W	fwell8	0.00	0.00	34337
50-00367-W	fwell9	0.00	0.00	34337

50-00401-W	3W-1	2.47	2.47	34737
50-00401-W	3W-10	0.00	0.00	34737
50-00401-W	3W-11	2.47	2.47	34737
50-00401-W	3W-12	0.00	0.00	34737
50-00401-W	3W-13	2.47	2.47	34737
50-00401-W	3W-14	2.47	2.47	34736
50-00401-W	3W-15	0.00	0.00	34737
50-00401-W	3W-16	0.00	0.00	34736
50-00401-W	3W-17	0.00	0.00	34737
50-00401-W	3W-18	0.00	0.00	34737
50-00401-W	3W-19	0.00	0.00	34737
50-00401-W	3W-2	2.47	2.47	34737
50-00401-W	3W-20	0.00	0.00	04737
50-00401-W	3W-21	0.00	0.00	34737
50-00401-W	3W-22	0.00	0.00	34737
50-00401-W	3W-23	0.00	0.00	04737
50-00401-W	3W-24	0.00	0.00	04737
50-00401-W	3W-25	0.00	0.00	04235
50-00401-W	3W-25	0.00	0.00	04737
50-00401-W	3W-26	0.00	0.00	04637
50-00401-W	3W-27	0.00	0.00	04837
50-00401-W	3W-28	0.00	0.00	04837
50-00401-W	3W-29	0.00	0.00	04837
50-00401-W	3W-3	2.47	2.47	34737
50-00401-W	3W-30	0.00	0.00	04837
50-00401-W	3W-31	0.00	0.00	04837
50-00401-W	3W-32	0.00	0.00	04837
50-00401-W	3W-33	0.00	0.00	04637
50-00401-W	3W-34	0.00	0.00	04637
50-00401-W	3W-35	0.00	0.00	04837
50-00401-W	3W-36	0.00	0.00	04837
50-00401-W	3W-37	0.00	0.00	04837
50-00401-W	3W-38	0.00	0.00	04837
50-00401-W	3W-39	0.00	0.00	04837
50-00401-W	3W-4	2.47	2.47	34737
50-00401-W	3W-40	0.00	0.00	04837
50-00401-W	3W-41	0.00	0.00	04837
50-00401-W	3W-42	0.00	0.00	04737
50-00401-W	3W-43	0.00	0.00	04637
50-00401-W	3W-44	0.00	0.00	04637
50-00401-W	3W-45	0.00	0.00	04837
50-00401-W	3W-46	0.00	0.00	04837
50-00401-W	3W-47	0.00	0.00	04837
50-00401-W	3W-48	0.00	0.00	04837
50-00401-W	3W-49	0.00	0.00	04837
50-00401-W	3W-5	2.47	2.47	34737
50-00401-W	3W-50	0.00	0.00	04837
50-00401-W	3W-51	0.00	0.00	04837
50-00401-W	3W-52	0.00	0.00	04837
50-00401-W	3W-53	0.00	0.00	04837
50-00401-W	3W-54	0.00	0.00	04837
50-00401-W	3W-55	0.00	0.00	04837
50-00401-W	3W-56	0.00	0.00	04737
50-00401-W	3W-57	0.00	0.00	04737
50-00401-W	3W-58	0.00	0.00	04637
50-00401-W	3W-59	0.00	0.00	04637
50-00401-W	3W-6	2.47	2.47	34737

50-00401-W	3W-60	0.00	0.00	04636
50-00401-W	3W-61	0.00	0.00	04637
50-00401-W	3W-62	0.00	0.00	04637
50-00401-W	3W-63	0.00	0.00	04637
50-00401-W	3W-64	0.00	0.00	04637
50-00401-W	3W-7	2.47	2.47	34737
50-00401-W	3W-8	2.47	2.47	34737
50-00401-W	3W-9	2.47	2.47	34737
50-00401-W	9W-1	4.69	4.69	34236
50-00401-W	9W-10	4.69	4.69	34236
50-00401-W	9W-11	4.69	4.69	34236
50-00401-W	9W-12	4.69	4.69	34236
50-00401-W	9W-13	4.69	4.69	34236
50-00401-W	9W-14	4.69	4.69	34236
50-00401-W	9W-15	4.69	4.69	34236
50-00401-W	9W-16	0.00	0.00	04235
50-00401-W	9W-17	0.00	0.00	04235
50-00401-W	9W-18	0.00	0.00	04235
50-00401-W	9W-19	0.00	0.00	04235
50-00401-W	9W-2	4.69	4.69	34236
50-00401-W	9W-20	0.00	0.00	04235
50-00401-W	9W-21	0.00	0.00	04235
50-00401-W	9W-22	0.00	0.00	04235
50-00401-W	9W-23	0.00	0.00	04235
50-00401-W	9W-24	0.00	0.00	04235
50-00401-W	9W-26	0.00	0.00	04235
50-00401-W	9W-27	0.00	0.00	04235
50-00401-W	9W-28	0.00	0.00	04235
50-00401-W	9W-29	0.00	0.00	04235
50-00401-W	9W-3	4.69	4.69	34236
50-00401-W	9W-30	0.00	0.00	04235
50-00401-W	9W-31	0.00	0.00	04235
50-00401-W	9W-32	0.00	0.00	04235
50-00401-W	9W-33	0.00	0.00	04235
50-00401-W	9W-34	0.00	0.00	04235
50-00401-W	9W-4	4.69	4.69	34236
50-00401-W	9W-5	4.69	4.69	34236
50-00401-W	9W-6	4.69	4.69	34236
50-00401-W	9W-7	4.69	4.69	34236
50-00401-W	9W-8	4.69	4.69	34236
50-00401-W	9W-9	4.69	4.69	34236
50-00401-W	fwell1	0.00	0.00	34235
50-00401-W	fwell2	0.00	0.00	34235
50-00401-W	fwell3	0.00	0.00	34235
50-00401-W	fwell4	0.00	0.00	34235
50-00401-W	fwell5	0.00	0.00	34235
50-00444-W	1	14.29	14.29	35535
50-00444-W	10	0.00	0.00	05535
50-00444-W	11	0.00	0.00	05535
50-00444-W	12	0.00	0.00	05435
50-00444-W	13	0.00	0.00	05435
50-00444-W	14	0.00	0.00	05435
50-00444-W	15	0.00	0.00	05435
50-00444-W	19	0.00	0.00	05535
50-00444-W	2	14.29	14.29	35535
50-00444-W	20	0.00	0.00	05534
50-00444-W	22	0.00	0.00	05535

50-00444-W	23	0.00	0.00	05535
50-00444-W	24	0.00	0.00	05535
50-00444-W	25	0.00	0.00	05635
50-00444-W	26	0.00	0.00	05535
50-00444-W	3	14.29	14.29	35535
50-00444-W	4	14.29	14.29	35535
50-00444-W	5	14.29	14.29	35535
50-00444-W	6	14.29	14.29	35535
50-00444-W	7	14.29	14.29	35535
50-00444-W	8	0.00	0.00	35535
50-00444-W	9	0.00	0.00	35535
50-00444-W	HLJ-1	0.00	0.00	35534
50-00444-W	HLJ-2	0.00	0.00	35534
50-00444-W	HLJ-3	0.00	0.00	35534
50-00444-W	HLJ-4	0.00	0.00	35534
50-00460-W	1	3.85	3.85	35740
50-00460-W	10A	3.85	3.85	35739
50-00460-W	11	3.85	3.85	35739
50-00460-W	12A	3.85	3.85	35739
50-00460-W	13	3.85	3.85	35739
50-00460-W	14	3.85	3.85	35740
50-00460-W	15	3.85	3.85	35740
50-00460-W	16	3.85	3.85	35740
50-00460-W	17	3.85	3.85	35739
50-00460-W	18	3.85	3.85	35740
50-00460-W	2	3.85	3.85	35740
50-00460-W	21	3.85	3.85	35739
50-00460-W	4	3.85	3.85	35740
50-00460-W	5A	3.85	3.85	35740
50-00460-W	6	3.85	3.85	35739
50-00460-W	7	3.85	3.85	35740
50-00460-W	801A	3.85	3.85	35739
50-00460-W	802	3.85	3.85	35738
50-00460-W	803A	3.85	3.85	35738
50-00460-W	804	3.85	3.85	35738
50-00460-W	805A	3.85	3.85	35738
50-00460-W	851	3.85	3.85	35638
50-00460-W	852	3.85	3.85	35638
50-00460-W	862	3.85	3.85	35638
50-00460-W	871	3.85	3.85	35738
50-00460-W	9A	3.85	3.85	35739
50-00460-W	I-1	0.00	0.00	35738
50-00460-W	II-2	0.00	0.00	35738
50-00460-W	PWS100	0.00	0.00	05738
50-00460-W	PWS101	0.00	0.00	05738
50-00460-W	PWS102	0.00	0.00	05738
50-00460-W	PWS103	0.00	0.00	05738
50-00460-W	PWS104	0.00	0.00	05738
50-00464-W	1	7.69	7.69	35334
50-00464-W	10	0.00	0.00	05335
50-00464-W	11	0.00	0.00	05335
50-00464-W	12	0.00	0.00	05335
50-00464-W	13	7.69	7.69	35235
50-00464-W	14	0.00	0.00	05235
50-00464-W	15	7.69	7.69	35235
50-00464-W	17	7.69	7.69	35335
50-00464-W	18	7.69	7.69	35135

50-00464-W	19	7.69	7.69	35135
50-00464-W	2	0.00	0.00	05334
50-00464-W	20	7.69	7.69	35135
50-00464-W	21	7.69	7.69	35135
50-00464-W	22	0.00	0.00	35135
50-00464-W	23	0.00	0.00	35135
50-00464-W	24	0.00	0.00	35235
50-00464-W	25	0.00	0.00	05235
50-00464-W	26	0.00	0.00	05235
50-00464-W	27	0.00	0.00	05235
50-00464-W	28	0.00	0.00	05235
50-00464-W	3	0.00	0.00	05334
50-00464-W	4	7.69	7.69	35335
50-00464-W	5	7.69	7.69	35334
50-00464-W	6	7.69	7.69	35335
50-00464-W	7	7.69	7.69	35335
50-00464-W	8	7.69	7.69	35335
50-00464-W	9	0.00	0.00	05335
50-00473-W	1	0.00	0.00	15921
50-00498-W	1	50.00	50.00	34939
50-00498-W	2	50.00	50.00	34939
50-00499-W	1	1.67	1.67	34840
50-00499-W	10	3.89	3.89	34839
50-00499-W	11	3.89	3.89	34839
50-00499-W	12	3.89	3.89	34839
50-00499-W	13	7.50	7.50	34839
50-00499-W	14	7.50	7.50	34839
50-00499-W	15	7.50	7.50	34839
50-00499-W	16	7.50	7.50	34839
50-00499-W	17	7.50	7.50	34839
50-00499-W	18	7.50	7.50	34839
50-00499-W	19	7.50	7.50	34839
50-00499-W	2	1.67	1.67	34840
50-00499-W	20	7.50	7.50	34839
50-00499-W	21	0.00	0.00	34837
50-00499-W	22	0.00	0.00	34937
50-00499-W	23	0.00	0.00	34937
50-00499-W	23E	0.00	0.00	34839
50-00499-W	24	0.00	0.00	34937
50-00499-W	24E	0.00	0.00	34839
50-00499-W	25	0.00	0.00	34937
50-00499-W	26	0.00	0.00	34937
50-00499-W	27	0.00	0.00	34937
50-00499-W	28	0.00	0.00	34938
50-00499-W	29	0.00	0.00	34938
50-00499-W	2W	0.00	0.00	34937
50-00499-W	3	1.67	1.67	34840
50-00499-W	30	0.00	0.00	34838
50-00499-W	31	0.00	0.00	34938
50-00499-W	3W	0.00	0.00	34937
50-00499-W	4	3.89	3.89	34840
50-00499-W	5	3.89	3.89	34840
50-00499-W	6	3.89	3.89	34840
50-00499-W	7	3.89	3.89	34840
50-00499-W	8	3.89	3.89	34839
50-00499-W	9	3.89	3.89	34839
50-00501-W	1	16.67	16.67	36131

50-00501-W	2	16.67	16.67	36131
50-00501-W	3	16.67	16.67	36131
50-00501-W	4	16.67	16.67	36131
50-00501-W	5	0.00	0.00	36132
50-00501-W	6	0.00	0.00	36131
50-00501-W	7	16.67	16.67	36131
50-00501-W	8	16.67	16.67	36132
50-00506-W	1	14.29	14.29	35040
50-00506-W	2	14.29	14.29	35040
50-00506-W	3	14.29	14.29	35040
50-00506-W	4	14.29	14.29	35040
50-00506-W	5	14.29	14.29	35040
50-00506-W	6	14.29	14.29	35040
50-00506-W	7	14.29	14.29	35040
50-00506-W	8	0.00	0.00	05040
50-00506-W	9	0.00	0.00	05040
50-00506-W	fwell1	0.00	0.00	35039
50-00506-W	fwell2	0.00	0.00	35039
50-00515-W	1	100.00	100.00	34538
50-00572-W	1	50.00	50.00	35138
50-00572-W	2	50.00	50.00	35138
50-00575-W	3	25.00	25.00	35040
50-00575-W	4	25.00	25.00	35040
50-00575-W	5	25.00	25.00	35040
50-00575-W	6	25.00	25.00	35040
50-00575-W	7	0.00	0.00	35040
50-00575-W	8	0.00	0.00	35040
50-00575-W	9	0.00	0.00	35140
50-00575-W	fwell1	0.00	0.00	35039
50-00575-W	fwell2	0.00	0.00	35039
50-00575-W	fwell3	0.00	0.00	35039
50-00605-W	1	33.00	33.00	35532
50-00605-W	2	34.00	34.00	35532
50-00605-W	3	33.00	33.00	35532
50-00612-W	1	33.33	33.33	34838
50-00612-W	2	33.34	33.34	34838
50-00612-W	3	33.33	33.33	34838
50-00615-W	1	0.00	0.00	35637
50-00615-W	10	0.00	0.00	35538
50-00615-W	2	0.00	0.00	35638
50-00615-W	3	0.00	0.00	35537
50-00615-W	4	0.00	0.00	35538
50-00615-W	5	0.00	0.00	35537
50-00615-W	6	0.00	0.00	35538
50-00615-W	7	0.00	0.00	35537
50-00615-W	8	0.00	0.00	35538
50-00615-W	9	0.00	0.00	35537
50-00615-W	A	50.00	50.00	15540
50-00615-W	B	50.00	50.00	15540
50-00615-W	fwell1	0.00	0.00	35539
50-00624-W	1	100.00	100.00	36335
50-00653-W	1	33.00	33.00	35540
50-00653-W	2	34.00	34.00	35540
50-00653-W	3	33.00	33.00	35540
50-01007-W	1	33.00	33.00	35039
50-01007-W	2	33.33	33.33	35039
50-01007-W	3	33.33	33.33	35039

50-01092-W	1	16.67	16.67	35140
50-01092-W	2	16.67	16.67	35140
50-01092-W	3	16.67	16.67	35140
50-01092-W	4	16.67	16.67	35140
50-01092-W	5	16.67	16.67	35140
50-01092-W	6	16.67	16.67	35140
50-01283-W	1	50.00	50.00	35038
50-01283-W	2	50.00	50.00	35038
50-01528-W	1	33.34	33.34	36133
50-01528-W	2	33.33	33.33	36133
50-01528-W	3	33.33	33.33	36233
50-02096-W	1	0.00	0.00	05018
50-02096-W	2	0.00	0.00	05018
50-02096-W	3	0.00	0.00	05018
50-02096-W	4	0.00	0.00	05018
50-02096-W	5	0.00	0.00	05018

APPENDIX H
Program Listing Of FORTRAN Code Used To Convert Raw Pumpage Data Into SFWMM Input Format

```
  PROGRAM WELLS
  INTEGER IROW(1500),ICOL(1500),IYEAR,Icnt
  CHARACTER*10 ANAME(1500),CNAME,PWS
  CHARACTER*200 ACARD
  REAL per2010(1500),DEMAND,MON(12)
c DEMAND = total demand, in MG, for a given permit
c per2010(1500) = grid distribution percentage for a given permit
c MON(12) = monthly distribution factor for a given permit
cccc
c initialize variables
cccc
      PWS = 'PWS'
cccc
c initialize files
cccc
  OPEN(15,FILE='wells.txt')
  OPEN(17,FILE='outfile3.in')
  OPEN(21,FILE='welldat1.out')
c other output files (for diagnostics)
c fort.69 - list of permits that are stored in memory
c   Entries do not give unique permit numbers because a
c   permit number may be assigned to multiple grid cells.
c fort.86 - list of permits with NO match in memory
c fort.87 - list of permits with match in memory
c fort.88 - list of permits with match in memory
c           but grid distribution percentage for
c           corresponding grid cell is zero
cccc
c Read wells.txt for percent of demand by well into memory
cccc
c head wells.txt
c6-00001-W     16                50.00   50.00     33135
c6-00001-W     19                50.00   50.00     33135
c23456789*123456789*123456789*123456789*123456789*123456789*
c       10        20        30        40        50        60
      DO 200 I = 1, 1500
        READ (15,'(A10,28x,F8.2,6x,I2,I2)',END=11)
     +    ANAME(i),PER2010(i),IROW(i),ICOL(i)
c convert to fraction
        PER2010(i)=PER2010(i)/100
        Icnt = Icnt + 1
200   CONTINUE
c write full list of permits that are stored in memory
11    DO 201 i=1,Icnt
        write (69,*) ANAME(I),i
201   CONTINUE
cccc
c Read each record
cccc
c head outfile3
cPUMPAGE YEAR:         2050
c6-00001          162.700    0.089    0.089    0.087    0.091    0.092    0.093
0.082    0.076    0.065    0.072    0.080    0.000
c6-00003          163.600    0.076    0.067    0.073    0.101    0.102    0.095
0.084    0.083    0.076    0.081    0.082    0.000
c23456789*123456789*123456789*123456789*123456789*123456789*
c       10        20        30        40        50        60
```

```
510   READ(17,'(A200)',END=900) ACARD
      IF (ACARD(2:2) .EQ. 'P') THEN
        READ(ACARD,'(25x,i2)') IYEAR
        write(*,*) IYEAR
c read first actual data
        READ(17,'(A10,4X,F11.3,12F9.3)',END=900) CNAME,DEMAND,
     +    (MON(IMON), IMON= 1,12)
      ELSE
c just parse read-in string into appropriate variables
c applies from second up to the last record
        READ(ACARD,'(A10,4X,F11.3,12F9.3)',END=900) CNAME,DEMAND,
     +  (MON(IMON), IMON= 1,12)
      ENDIF
c convert demand for a typical day for a given month
      DEMAND=DEMAND/30.4167
cccc
c Search memory for permit number
cccc
      ICAUGHT = 0
      DO 610 I = 1, Icnt
        IF (CNAME(1:8) .EQ. ANAME(i)(1:8)) THEN
c match found
          ICAUGHT = 1
          IF (PER2010(i) .NE. 0) THEN
c            WRITE(21,'(A9,1X,I2,I4,I7,12F7.3,2x,A3)') CNAME,
            WRITE(21,'(A9,1X,I2,I4,I7,12F10.6,2x,A3)') CNAME,
     +        IYEAR,ICOL(i),IROW(i)
     +        ,(MON(IMON)*DEMAND*PER2010(i), IMON=1,12),PWS
          ELSE
c permit found in memory but grid distribution percentage for
c corresponding grid cell is zero
            write(88,*) CNAME, ICOL(i), IROW(i)
          ENDIF
        ENDIF
c try another permit in memory for possible match
610   CONTINUE
c normal exit of 610 do loop means there was no match
c write list of permits without and with match in wells.txt
      IF ( ICAUGHT .eq. 0 )  then
c write list of permits with NO match in memory
        write (*,*) CNAME
        write (86,*) CNAME
      else
c write list of permits with match in memory
        write (87,*) CNAME
      endif
c next permit to assign to appropriate SFWMM grid cells
      GOTO 510
c all done
900   STOP
      END
```