Pesticide Monitoring Network 1999-2000

John Casey Glen

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
GEORGIA GEOLOGIC SURVEY

Atlanta
2001

PROJECT REPORT 43

Pesticide Monitoring Network 1999-2000

John Casey Glen

The preparation of this report was funded in part through a grant from the Georgia Department of Agriculture and the U.S. Environmental Protection Agency

GEORGIA DEPARTMENT OF NATURAL RESOURCES
Lonice C. Barrett, Commissioner

ENVIRONMENTAL PROTECTION DIVISION
Harold F. Reheis, Director

GEORGIA GEOLOGIC SURVEY
William H. McLemore, State Geologist

Atlanta
2001

PROJECT REPORT 43

TABLE OF CONTENTS

Section

Figures

Appendices

INTRODUCTION

In agreement with the objectives of the State of Georgia's Pesticide Management Plan, the Pesticide Monitoring Network (PMN) was initiated in September 1993. The PMN, a project comprised of a joint effort between the Georgia Department of Agriculture (GDA), the Georgia Environmental Protection Division (EPD), and the United States Geological Survey (USGS), established a ground-water monitoring system for the agricultural region of southwest Georgia. The original plan called for the installation of a network of shallow monitoring wells in those counties having the highest concentration of agricultural activity (primarily row-crop farming). However, the USGS was already in the process of installing monitoring wells in the Apalachicola-Chattahoochee-Flint River Basin (ACF) as part of the National Ambient Water Quality Assessment Program (NAWQA). Rather than duplicate efforts, the GDA, EPD, and the USGS entered into a cooperative agreement in 1993. The agreement called for EPD to sample the USGS wells for one year, turn the samples over to GDA for analysis using EPA-approved methods, then produce a report for the property owners and a project report suitable for publication. The first published report (GSB Project Report 22) presented data generated from September 1993 through July 1994. Subsequently, Project Reports 27, 31, 36, and 40 presented data through August 1999. This report covers the period September 1999 through April 2000, but includes test results from 1993 to 2000.

During the latter part of 1994, the USGS installed 23 new wells in the Upper Suwannee River Basin (USRB). The USGS contacted EPD about the new wells and plans were made to include them in the Pesticide Monitoring Network. As with the ACF wells, permission was required from the well owners for EPD to enter their property and sample the wells in the USRB. In August 1995, sampling continued in the ACF basin and was begun in the USRB. The GDA added a new method to the laboratory procedures for the second round of sampling, bringing the total number of analytical methods to five. This meant that more than 200 chemical compounds could be detected by the suite of analytical methods (listed in Appendix B). Sampling of ACF and USRB monitoring wells continued from August 1995 through April 1999.

In early 1998, in addition to the monitoring wells, private drinking water wells were sampled (see Figure 1). The private wells are located throughout the PMN study area, but are more numerous

in Sumter and Miller counties to reflect the concentration of the monitoring well network in those areas. The private wells were selected based on their proximity to existing PMN monitoring wells. Sampling of private drinking water wells in the ACF and USRB study areas continued until April 1999.

During January and February 1999, GSB mailed flyers to owners of shallow irrigation wells in southwest Georgia soliciting volunteers to have their permitted wells tested for pesticides. Permission was obtained to sample 53 wells. Sampling of irrigation wells was initiated in May 1999. This sampling effort concluded in April 2000. Figure 2 shows the locations of the irrigation wells sampled during 1999 and 2000.

MONITORING NETWORK WELL LOCATION AND CONSTRUCTION

The USGS installed 36 monitoring wells in the ACF and 23 monitoring wells in the USRB. EPD attempted to obtain the consent of the landowners to access and sample the wells in both basins. Permission was obtained to sample 24 monitoring wells and 13 private wells in the ACF along with 17 monitoring wells and 3 private wells in the USRB (Figure 1). Several wells would later be removed from the monitoring system. In 1995, five wells (LC-2A, CP-15A, CP-24A, AC-36B, and 9-1) were deleted from the PMN effort due to inaccessibility or inadequate well volume. Monitoring well AC-39A was deleted in 1996 at the landowner's request, and monitoring well CP-28A was removed later that same year due to inaccessibility. In March 1998, monitoring well GAFL 23-1 was deleted from the PMN at the request of the property caretaker. Some wells were sampled less frequently than others due to problems in gaining access to the well, such as: bad weather, muddy fields, damage potential to crops, and locked gates.

Monitoring wells were drilled in recharge areas, in close proximity to cultivated fields. The wells were constructed by a USGS drilling crew during the summer of 1993. The wells were drilled to a short distance below the water table with a six-inch hollow-stem auger. Well casings and screens were constructed of two-inch inside diameter PVC. The annular space around the 10-foot screened interval in each well was backfilled with a filter pack of clean sand and capped with a bentonite plug. The annulus above the bentonite plug was backfilled with either bags of sand or

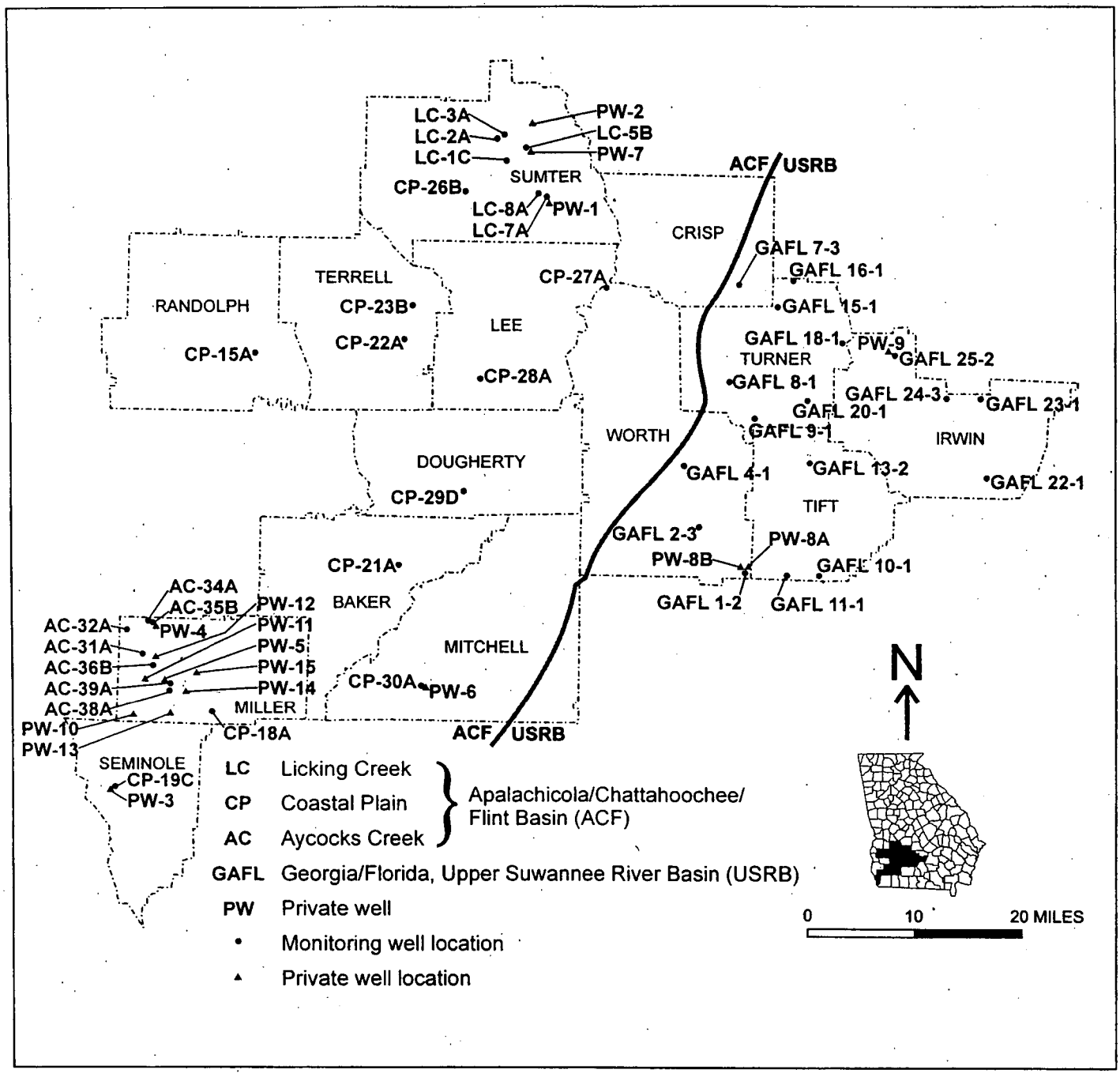

Figure 1. 1998-2000 Pesticide Monitoring Network Study Area.

native materials and capped with three feet of cement grout. The casings extend one-half foot to three feet above the ground surface and are covered by locking steel boxes set in 18-inch diameter concrete aprons. The wells were developed with an air bladder pump until they produced clear water. A list of monitoring well construction data is found in Appendix A.

No monitoring wells in either the ACF or the USRB were sampled from May 1999 to April 2000.

PRIVATE DRINKING WATER WELLS

Beginning in 1998, private drinking water wells were sampled throughout the PMN study area. The wells chosen for sampling were more numerous in Sumter and Miller counties to reflect the concentration of the monitoring well network in those areas. Proximity to existing PMN monitoring wells was the basis for which private wells were selected for sampling. During the period extending from May 1999 through the end of April 2000, six private wells were sampled. All six of these wells were located in the ACF.

SHALLOW IRRIGATION WELLS

Irrigation wells are used by farmers to water their crops. Although some irrigation wells are 600 feet or more deep, those selected for the study range from 100 to 150 feet below land surface. These wells are generally capable of pumping several hundred gallons of water a minute. Typically these wells are used to directly supply pivot irrigation systems. Alternatively, some wells are used to supply lagoons from which the water is later pumped for irrigation. Some of the wells are used for drip irrigation in orchards. All but three of the irrigation wells included in the study pump water from the Upper Floridan Aquifer. The other shallow irrigation wells receive water from the Clayton Aquifer.

The study generated data from 53 shallow irrigation wells (Figure 2). These wells were sampled in 1999 and 2000.

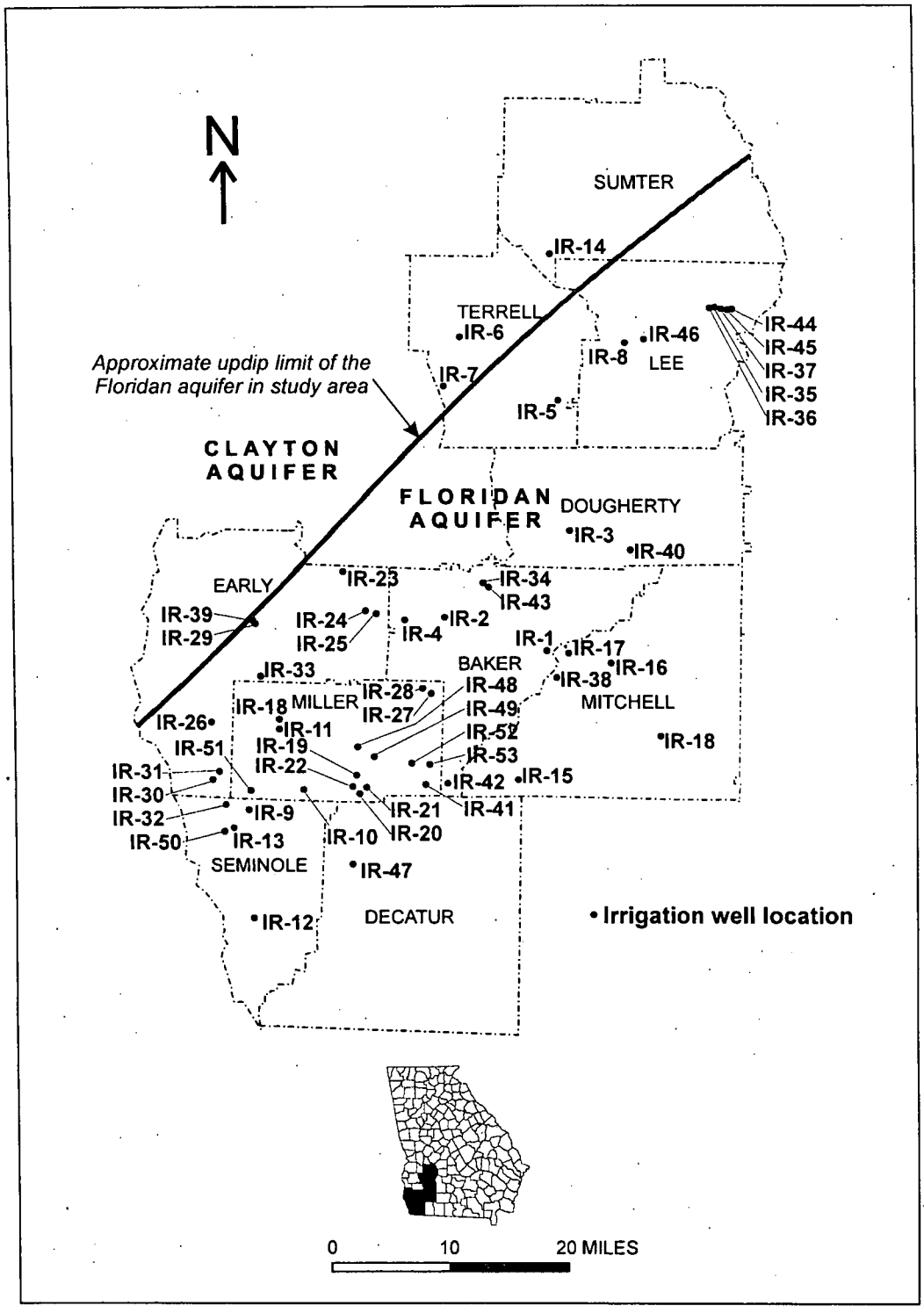

Figure 2. 1999-2000 Irrigation Well Study Area.

SAMPLING EQUIPMENT AND PROCEDURE

Purging and sampling procedures used for monitoring wells in the PMN were developed from *Recommended Procedures for Collection of Selected Ground Water Data from Wells* (Lapham et.al. 1992) and the *Manual for Groundwater Monitoring* (EPD task force on Ground Water Monitoring 1988). A Teflon® bailer was used to purge and sample the wells. Field parameters (temperature, pH, specific conductance, and dissolved oxygen) were measured/screened in the field. A YSI ® Model 3500 Water Quality Monitoring System meter was used to measure temperature and specific conductance. Dissolved oxygen was screened using a Chemetrics ® test kit which includes model R-7512 self-filling ampules; pH was screened using EM Quant ® test strips. (Note: Manufacturers, trade names, or brand names of equipment or supplies mentioned in this report does not constitute endorsement by the Georgia Geologic Survey.) Prior to collecting the sample, the volume of water in the monitoring well was calculated. After three well volumes of water were purged, the sample was collected.

Samples from the irrigation wells and private drinking wells were collected as close to the water source as possible. Most wells were sampled via a tap at the wellhead. Some irrigation wells were sampled via purge valves or leaky joints. In all cases, the wells were purged prior to sampling to ensure collection of a water sample that was suitably representative of the aquifer. This suitability was determined by monitoring the water temperature and conductivity every two minutes until both parameters rendered three stable readings in a row. A Beta Technology Inc. Hydac® Conductivity/Temperature/pH Tester was used to measure these characteristics of the well water. The water pH was then checked at the time of sample collection. On several occasions, a particular field parameter (identified as an "X" in the tables of Appendix C and Appendix D) could not be measured due to weather conditions, malfunctioning equipment, or time constraints (eg. darkness). These data are not essential for sampling or chemical analysis, and in all cases, three well volumes of water were purged prior to sample collection.

For all wells EPD collected two types of samples from each well. Four one-liter samples were collected in amber glass bottles. Two of the bottles were preserved with a hydrochloric acid

solution while in the field. No preservatives were administered to the other two samples. A 60-ml sample was collected via a graduated cylinder and transferred to a 125-ml opaque, Teflon® bottle that contained 1.8-ml of the preservative monochloroacetic acid added by the laboratory prior to shipment to the field.

When the GDA laboratory began using new analytical equipment in January 1999, changes were made in the analytical and field preservation techniques. EPA analytical methods used were 507, 508.1, 555, and 531.1. The GDA laboratory also used National Pesticide Survey (NPS) Method 4. Under this new procedure, a single one-liter amber bottle was collected for EPA Method 555 and preserved with hydrochloric acid. This bottle was also preserved in the field with sodium sulfite. A second one-liter amber bottle was used to collect water for analyses using methods 507 and 508.1. This sample bottle was preserved in the field with sodium thiosulfate. A sample collected in a third one-liter amber bottle for NPS Method 4 analysis was not preserved. A 60 ml sample for EPA Method 531.1 analysis was collected in a 125-ml opaque, Teflon® bottle. In addition to being preserved as described in the previous paragraph, this sample bottle was also preserved with sodium thiosulfate.

The one-liter samples were used by the GDA in analytical screening for organophosphate pesticides, organochlorine pesticides, and phenoxy acid herbicides. The 60-ml sample was used in test screening for the presence of carbamate pesticides. All sample bottles were individually labeled, bagged, and placed in coolers filled with ice for preservation during transportation to the GDA Pesticide Residue Laboratory in Atlanta. Samples were hand delivered to the lab by EPD employees using an EPA-approved chain of custody form.

DECONTAMINATION AND QUALITY ASSURANCE / QUALITY CONTROL

To prevent potential cross-contamination, the sampling equipment was cleaned prior to and between each sampling episode. The sampling bailer and graduated cylinder were decontaminated in the field using a three-step process: the equipment was cleaned in a Liquinox® and tap-water solution, thoroughly rinsed in tap-water, followed by additional rinsing in de-ionized water. The sampling equipment was handled with latex gloves at all times. Equipment blanks (de-ionized

water) were taken periodically to determine if the decontamination process was effective. Other forms of Quality Control (QC) used were spiked samples and replicate samples. The GDA laboratory employed additional QC standards before, during, and after each sample run. The results of the QC tests indicate that the methods in use at the Pesticide Residue Laboratory are consistently capable of detecting pesticides at or near their listed detection limit and the decontamination methods used in the field are effective.

LABORATORY ANALYSIS

The Department of Agriculture Pesticide Residue Laboratory uses EPA methods 507 (nitrogen- and phosphorous-containing pesticides), 508 (organochlorine pesticides), 555 (phenoxy acid herbicides), and 531.1 (urea derivative and carbamate pesticides). In addition the laboratory utilizes a fifth analysis, National Pesticide Survey (NPS) Method 4, for other pesticides. These methods have detection limits for pesticide compounds that are below the maximum contaminant levels (MCLs) established by EPA for safe drinking water, for those compounds for which MCLs have been established. Method 531.1 and NPS Method 4 use high-pressure liquid chromatography (HPLC) to determine the concentration of constituents. The other methods rely on gas chromatography (GC) for compound identification. For more information concerning the specific analytes detectable by each method and their respective detection limits, refer to the laboratory report sheets included in Appendix B.

RESULTS

The results of sampling and analysis of the monitoring wells, drinking water wells, and irrigation wells in the ACF and USRB during 1999 and 2000 indicated no pesticide detections above established MCLs. Because there were no detections, copies of the analytical data sheets for each well are not included in this project report. Original Report of Analysis sheets are kept on file at the GDA Pesticide Residue Laboratory; copies are kept on file in the GSB office in Atlanta, Georgia.

Field measurements of parameters obtained just prior to sampling are tabulated in

Appendices C and D. These tables include data from September 1993 through April 2000 for all of the wells sampled as part of the PMN.

INTERPRETIVE CONCLUSIONS

Since there were no pesticide detections in any of the sampled wells during the period 1993 to 2000, the results of sampling in the study area indicate that Best Management Practices for pesticides currently being employed do not appear to result in the pollution of Georgia's ground water by pesticides. If EPA's risk-based MCLs are appropriate indicators of contamination, then underground sources of drinking water do not currently appear to be in danger of pollution by pesticides due to current farming practices. This interpretation is consistent with previous surveys of pesticides in ground water conducted in Georgia. The lack of detections can possibly be attributed to the rapid dilution and degradation of pesticides due to the low amount of organic material in the soils of the Coastal Plain, the high soil and air temperatures that naturally occur during the peak times for pesticide application, and the abundant rainfall that the study area typically receives each year (average yearly rainfall is about 59 inches).

REFERENCES

Environmental Protection Division task force on ground water monitoring, 1988, Manual for Ground Water Monitoring: unpublished guidance document, Georgia Department of Natural Resources, Environmental Protection Division, 37 pp.

Lapham, Wilde, and Korterba, 1992, Protocols and Recommended Procedures for Collection of Selected Ground-Water Data From Wells: U.S. Geological Survey Open-File Report 92-xxxx (provisional document, unfinished), p. 99-324.

Tolford, B., Pesticide Monitoring Network 1998-1999: Georgia Geologic Survey Project Report 40, 60 pp.

APPENDICES

Appendix A

Monitoring Well Identification and Construction Data

Appendix B

Example of Report of Analysis / List of Analytes

Appendix C

Tabulation of Field Parameters and Laboratory Results for Monitoring Wells and Private Drinking Water Wells

Appendix D

Tabulation of Field Parameters and Laboratory Results for Irrigation Wells

APPENDIX A

Monitoring Well Identification and Construction Data

Wells in Apalachicola-Chattahoochee-Flint River Basin used between 9/93 and 4/99.

Well ID	County	Pad	Backfill	Bentonite Plug	Filter Pack	Screened Interval	Total Depth
LC-1C	Sumter	0 - 2.5	2.5 - 31.3	31.3 - 33.5	33.5- ≈ 41	35 - 45	45.0
LC-2A	Sumter	0 - 3.0	3.0 - 62	62 - 64	64 - 74.7	64.7 - 74.7	74.7
LC-3A	Sumter	0 - 3.0	3.0 - 61	61 - 63	63 - 73.4	63.4 - 73.4	73.4
LC-5B	Sumter	0 - 3. 0	3.0 - 20.2	20.2 - 22.7	22.7 - 27.0	22.4 - 32.4	32.4
LC-7A	Sumter	0 - 2.2	2.2 - 33.5	33.5 - 36.9	36.9 - 48.7	38.7 - 48.7	48.7
LC-8A	Sumter	0 - 1.3	1.3 - 38	38 - 40	40 - 51.7	41.7 - 51.7	51.7
CP-15A	Randolph	0 - 2.2	2.2 - 15.1	15.1 - 17.0	17.0 - 28.6	27.6 - 28.6	28.6
CP-18A	Miller	0 - 1.3	1.3 - 49	49 - 51	51 - 68.8	58.8 - 68.8	68.8
CP-19C	Seminole	0 - 1.3	1.3 - 31.7	31.7 - 33	33 - 54.3	44.3 - 54.3	54.3
CP-21A	Baker	0 - 2.5	2.5 - 37	37 - 39	39 - 48.8	38.8 - 48.8	48.8
CP-22A	Terrell	0 - 2.3	2.3 - 22	22 - 24	24 - 33.8	23.8 - 33.8	33.8
CP-23B	Terrell	0 - 2.0	2.0 - 26.7	26.7 - 32.8	32.8 - 44.2	32.2 - 44.2	44.2
CP-26B	Sumter	0 - 2.0	2.0 - 11.8	11.8 - 15	15 - 28.5	18.5 - 28.5	28.5
CP-27A	Worth	0 - 2.0	2.0 - 10.9	10.9 - 15	15 - 31.2	21.2 - 31.2	31.2
CP-28A	Lee	0 - 1.6	1.6 - 21.2	21.2 - 31.6	31.6 - 43.7	33.7 - 43.7	43.7
CP-29D	Dougherty	0 - 2.0	2.0 - 21	21 - 22	22 - 35.6	25.6 - 35.6	35.6
CP-30A	Mitchell	0 - 2.0	2.0 - 25.5	25.5 - 31.0	31.0 - 47.5	37.5 - 47.5	47.5
AC-31A	Miller	0 - 2.7	2.7 - 24.0	24.0 - 28.9	28.9 - 39.2	29.2 - 39.2	39.2
AC-32A	Miller	0 - 3.3	3.3 - 24.5	24.5 - 29.7	29.7 - 38.3	28.3 - 38.3	38.3
AC-34A	Miller	0 - 3.3	3.3 - 27	27 - 29	29 - 37.5	27.5 - 37.5	37.5
AC-35B	Miller	0 - 2.5	2.5 - 56	56 - 58	58 - 69.3	59.3 - 69.3	69.3
AC-36B	Miller	0 - 2.5	2.5 - 50	50 - 52	52 - 65	55 - 65	65
AC-38A	Miller	0 - 1.7	1.7 - 47	47 - 49	49 - 61	51 - 61	61
AC-39A	Miller	0 - 3.0	3.0 - 31	31 - 33	33 - 57.4	47.4 - 57.4	57.4

All measurements are in feet.

Wells in the Upper Suwannee River Basin used between 8/95 and 4/99.

Well ID	County	Pad	Backfill	Bentonite Plug	Filter Pack	Screened Interval	Total Depth
GAFL 1-2	Worth	0 - 3	——	3 - 5	5 - 17	7 - 17	17
GAFL 2-3	Worth	0 - 2.5	2.5 - 11	11 - 14	14 - 24	14 - 24	24
GAFL 4-1	Worth	0 - 2.5	2.5 - 11	11 - 13	13 - 23	13 - 23	23
GAFL 7-3	Crisp	0 - 2	2 - 4	4 - 6	6 - 20	5 - 15	20
GAFL 8-1	Turner	0 - 2	2 - 6	6 - 8	8 - 20	10 - 20	20
GAFL 9-1	Turner	0 - 2.5	2.5 - 24	24 - 27.7	27.7 - 60	35 - 65	65
GAFL 10-1	Tift	0 - 2	2 - 9	9 - 10	10 - 22	12 - 22	22
GAFL 11-1	Tift	0 - 2	2 - 15	15 - 17	17 - 31	21 - 31	31
GAFL 13-2	Tift	0 - 2	2 - 5	5 - 7	7 - 19	9 - 19	19
GAFL 15-1	Turner	0 - 2	2 - 16	16 - 18	18 - 51	26 - 46	51
GAFL 16-1	Turner	0 - 2	2 - 11	11 - 13	13 - 30	20 - 30	30.4
GAFL 18-1	Turner	0 - 2	2 - 5	5 - 7	7 - 20	5 - 15	20
GAFL 20-1	Turner	0 - 2	2 - 24	24 - 25	25 - 45	30 - 40	45
GAFL 22-1	Irwin	0 - 2.5	2.5 - 18	18 - 20	20 - 40	25 - 35	35
GAFL 23-1*	Irwin	0 - 1	1 - 10	10 - 12	12 - 27	17 - 27	27
GAFL 24-3	Irwin	0 - 2.5	2.5 - 15	15 - 17	17 - 37	27 - 37	37
GAFL 25-2	Irwin	0 - 2.5	2.5 - 12	12 - 14	14 - 25	15 - 25	25

All measurements are in feet

* Abandoned on March 4, 1998.

APPENDIX B

Example of Report of Analysis / List of Analytes

Department of Agriculture
Chemical Laboratories Division – Ground Water Laboratory
Agriculture Building, Room 610
Atlanta, Georgia 30334
Phone: (404) 656-3716
Fax: (404) 463-6670

Thomas T. Irvin
Commissioner

Report of Analysis

Date Received: _____

Well Name:_____

Laboratory Number: GW-01-_____

Date Extracted: _____

Extraction Method: **EPA Method 507** Analytical Sample Size (mL): _____

Final Extract Concentration (g sample/mL): _____

Injection Volume (µL): 3

Analyte	Storet #	MDL (ppb)	Concentration (ppb)	Analyte	Storet #	MDL (ppb)	Concentration (ppb)
Alachlor	77825	0.14		Merphos	38496	0.040	
Ametryn	38401	0.20		Methyl paraoxon	30009	0.30	
Atraton	38414	0.17		Metolachlor	38923	0.19	
Atrazine	39033	0.015		Metribuzin	81408	0.029	
Bromacil	82198	0.69		Mevinphos	39610	0.87	
Butachlor	77860	0.12		Molinate	49562	0.061	
Butylate	81410	0.033		Napropamide	79195	0.069	
Carboxin	70978	0.18		Norflurazon	78064	0.098	
Chlorpropham	82322	0.20		Pebulate	79192	0.022	
Cycloate	04031	0.022		Prometon	39056	0.041	
Diazinon	39750	0.13		Prometryn	04036	0.024	
Dichlorvos (DDVP)	38775	0.28		Pronamide	39080	0.28	
Diphenamid	30255	0.082		Propazine	38535	0.014	
Disulfoton	39010	0.029		Simazine	39055	0.014	
Disulfoton sulfone	81031	0.63		Simetryn	39054	0.035	
Disulfoton sulfoxide	81888	0.082		Stirofos	38877	0.18	
EPTC	81894	0.080		Tebuthiuron	45607	0.58	
Ethoprop	81758	0.021		Terbacil	38883	0.56	
Fenamiphos	38929	0.12		Terbufos	82088	0.054	
Fenarimol	04101	0.20		Terbutryn	38888	0.031	
Fluridone		2.8		Triademefon	38893	0.093	
Hexazinone	30264	0.15		Tricyclazole	38903	0.21	
MGK 264	4098	0.19		Vernolate	82200	0.055	

ND = None Detected

_____ Analysts

_____ Date Reported

_____ Tunde Nuga
Laboratory Manager

Department of Agriculture
Chemical Laboratories Division – Ground Water Laboratory
Agriculture Building, Room 610
Atlanta, Georgia 30334
Phone: (404) 656-3716
Fax: (404) 463-6670

Thomas T. Irvin
Commissioner

Report of Analysis

Date Received: _____

Well Name:_____

Laboratory Number: GW-01-_____

Date Extracted: _____

Extraction Method: **EPA Method 508** Analytical Sample Size (mL): _____

Final Extract Concentration (g sample/mL): _____

Injection Volume (µL): 3

Analyte	Storet #	MDL (ppb)	Concentration (ppb)	Analyte	Storet #	MDL (ppb)	Concentration (ppb)
4,4-DDD		0.0044		Heptachlor	39410	0.0015	
4,4-DDE		0.0025		Heptachlor epoxide	39420	0.0059	
4,4-DDT		0.039		Hexachlorobenzene	39700	0.0077	
Aldrin	39330	0.014		Methoxychlor	39480	0.022	
Chlorobenzilate	39460	2.2		Propachlor	38533	0.25	
Chloroneb	38423	0.25		Trifluralin	81284	0.0026	
Chlorothalonil		0.011		alpha-HCH		0.0053	
DCPA	39770	0.0032		beta-HCH		0.0036	
Dieldrin	39380	0.011		delta-HCH		0.0020	
Endosulfan I	34361	0.0092		gamma-HCH	39782	0.0060	
Endosulfan II	34356	0.024		alpha-chlordane	39348	0.0041	
Endosulfan sulfate	82623	0.0024		gamma-chlordane	39810	0.0016	
Endrin	39390	0.0062		cis-Permethrin		0.25	
Endrin aldehyde	82622	0.011		trans-Permethrin	82420	0.18	
Etridiazole	38793	0.013					

ND = None Detected

_____ Analysts

_____ Date Reported

_____ Tunde Nuga
Laboratory Manager

Department of Agriculture
Chemical Laboratories Division – Ground Water Laboratory
Agriculture Building, Room 610
Atlanta, Georgia 30334
Phone: (404) 656-3716
Fax: (404) 463-6670

Thomas T. Irvin
Commissioner

Report of Analysis

Date Received: _____

Well Name: _____

Laboratory Number: GW-01-_____

Date Extracted: _____

Extraction Method: **EPA Method 555** Analytical Sample Size (mL): _____

Final Extract Concentration (g sample/mL): _____

Injection Volume (µL): 75

Analyte	Storet #	MDL (ppb)	Concentration (ppb)	Analyte	Storet #	MDL (ppb)	Concentratio (ppb)
2, 4-D	39730	1.3		Dicamba, 5-hydroxy-		2.2	
2, 4-DB	38746	1.9		Dichlorprop	38451	1.7	
2, 4, 5-TP	39760	1.8		Dinoseb	38779	1.5	
2, 4, 5-T		1.3		MCPA		0.8	
3, 5 Dichlorobenzoic Acid		2.1		MCPP		1.7	
Acifluorfen		1.7		4-Nitrophenol		1.2	
Bentazon	38711	4.6		Pentachlorophenol		1.6	
Chloramben		3.1		Picloram	39720	0.5	
Dicamba	38442	2.1					

ND = None Detected

Analysts

Date Reported

Tunde Nuga
Laboratory Manager

Department of Agriculture
Chemical Laboratories Division – Ground Water Laboratory
Agriculture Building, Room 610
Atlanta, Georgia 30334
Phone: (404) 656-3716
Fax: (404) 463-6670

Thomas T. Irvin
Commissioner

Report of Analysis

Date Received:_____

Well Name: _____

Laboratory Number: GW-01-_____

Date Extracted: _____

Extraction Method: **EPA Method 531.1** Analytical Sample Size (mL): 50

Final Extract Concentration (g sample/mL): 1

Injection Volume (µL): 400

Analyte	Storet #	MDL (ppb)	Concentration (ppb)
Aldicarb	39053	0.22	
Aldicarb sulfone	04257	1.0	
Aldicarb sulfoxide	04260	0.59	
Aprocarb		1.0	
Carbaryl	77700	1.3	
Carbofuran	81450	0.52	
3- Hydroxycarbofuran	82584	1.9	
Methiocarb	38500	1.9	
Methomyl	39051	0.29	
Oxyamyl	38866	0.86	

ND = None Detected

Analysts

Date Reported

Tunde Nuga
Laboratory Manager

Department of Agriculture
Chemical Laboratories Division – Ground Water Laboratory
Agriculture Building, Room 610
Atlanta, Georgia 30334
Phone: (404) 656-3716
Fax: (404) 463-6670

Thomas T. Irvin
Commissioner

Report of Analysis

Date Received: _____

Well Name/Well ID: _____

Laboratory Number: GW-01-

Date Extracted: _____

Extraction Method: **NPS Method #4** Analytical Sample Size (mL): _____

Final Extract Concentration (g sample/mL): _____

Injection Volume (µL): 50

Analyte	Storet #	MDL (ppb)	Concentration (ppb)	Analyte	Storet #	MDL (ppb)	Concentration (ppb)
Atrazine, dealkylated	75981	0.25		Metribuzin DA	81408	0.21	
Barban	38418	0.50		Metribuzin DADK	81408	2.5	
Carbofuran, phenol	81450	1.8		Metribuzin DK	81408	0.10	
Cyanazine	81757	0.58		Neburon	38521	0.15	
Diuron	39650	0.070		Pronamide metabolites	39080	0.81	
Fenamiphos sulfone		5.7		Propanil		0.067	
Fenamiphos sulfoxide		1.0		Propham		0.75	
Fluometuron	38810	0.10		Swep	38554	0.75	
3-ketocarbofuran phenol		0.25					
Linuron	38477	0.25					

ND = None Detected

Analysts

Date Reported

Tunde Nuga
Laboratory Manager

APPENDIX C

Tabulation of Field Parameters and Laboratory Results for Monitoring Wells and Private Drinking Water Wells

(Arranged by County)

For this appendix, the following abbreviations are used:

°C	= degrees centigrade
µS	= microsiemens
X	= parameter was not measured either due to time constraints, weather conditions, or problems with equipment
ND	= no compounds detected
no data	= either the analysis was not conducted due to the sample exceeding the storage time limits in the laboratory or the analytical data were not reported due to the fact that laboratory quality assurance requirements were not met
ppb	= parts per billion
ppm	= parts per million
BDL	= below detection limits
(-) to 4 ppb	= means by which data was reported prior to 1995

Baker County: CP-21A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/19/93	x	5.96	25.0	x	25.7	ND	ND	ND	ND	(-) to 4 ppb
1/5/94	8.59	4.80	20.5	.200	24.9	no data	no data	no data	no data	no data
4/4/94	7.06	5.50	21.6	262	16.1	ND	ND	ND	ND	(-) to 4 ppb
5/3/94	9.49	4.40	21.7	x	11.8	ND	ND	ND	no data	(-) to 4 ppb
6/21/94	7.44	6.0	22.0	x	18.4	ND	ND	ND	no data	(-) to 4 ppb
9/12/95	7.65	4.3	23.9	0.210	29.15	ND	ND	ND	ND	BDL
5/2/96	7.55	4.9	24.7	0.234	18.9	ND	ND	ND	ND	BDL
9/17/96	7.4	x	21.3	0.238	31.6	ND	ND	ND	no data	ND
2/12/97	7.5	6	21	0.25	22	ND	ND	ND	ND	ND
7/2/97	7	6	21	0.23	24.2	ND	ND	ND	ND	no data
11/5/97	7	6	22	.226	30.9	ND	ND	ND	ND	ND
3/11/98	6	6	19	.225	8.15	ND	ND	ND	ND	ND
5/20/98	6	6	21	.229	14.9	ND	ND	ND	ND	ND
9/23/98	6	6	22	.272	23.4	ND	ND	ND	no data	ND
3/10/99	5.5	x	20	.233	21.4	no data	no data	no data	ND	ND

Crisp County: GAFL 7-3

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
4/4/96	4.79	8.7	16.4	0.159	3.9	ND	ND	ND	ND	BDL
6/18/96	3.95	7.9	20.3	0.171	8.7	ND	ND	ND	ND	BDL
6/30/96	4.5	x	x	x	16.4	no data	no data	no data	no data	no data
12/30/96	4.5	x	x	x	14.2	ND	ND	ND	ND	no data
4/22/97	4.5	7	21	0.172	4	ND	ND	ND	ND	ND
7/16/97	5	8	23	0.167	13.2	ND	ND	ND	ND	ND
12/3/97	5	8	19	0.170	3.8	ND	ND	ND	ND	ND
4/21/98	5	8	18	.146	5.55	no data	ND	ND	ND	ND
10/1/98	5	8	22	.135	10.8	no data	no data	no data	no data	ND

Dougherty County: CP-29D

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/13/93	x	11.6	17.3	x	18.8	ND	ND	no data	no data	(-) to 4 ppb
11/16/93	7.77	x	20.0	x	17.4	ND	no data	no data	no data	(-) to 4 ppb
2/1/94	x	7.9	18.8	x	12.5	ND	ND	ND	no data	(-) to 4 ppb
4/4/94	7.9	8.4	19.1	0.202	11.3	ND	ND	ND	no data	(-) to 4 ppb
5/3/94	6.86	8.2	19.3	x	9.8	ND	ND	ND	no data	(-) to 4 ppb
6/20/94	6.27	8.6	19.4	x	14.1	ND	ND	ND	no data	(-) to 4ppb
8/10/95	7.3	5.8	20.9	.213	12.2	ND	ND	ND	no data	BDL
1/25/96	6.96	5.4	17.1	0.213	20.1	ND	ND	ND	no data	BDL
2/29/96	7.08	6.1	19.6	0.201	15.2	ND	ND	ND	no data	BDL
5/8/96	7.61	6.8	18.5	0.209	13.9	ND	ND	ND	no data	BDL
9/19/96	7.04	6.7	18.8	0.207	19.9	ND	ND	ND	no data	ND
10/22/96	7.6	7.7	19.6	.206	17.8	ND	ND	ND	ND	ND
2/12/97	6	7	20	0.21	12.3	ND	ND	ND	ND	ND
4/30/97	6	7	19	x	12.1	ND	ND	ND	ND	ND
9/4/97	7	7	22	.203	20.5	ND	ND	ND	ND	ND
12/30/97	7	7	18	.209	7.8	ND	ND	ND	ND	ND
4/2/98	7	7	19	.214	5.05	ND	ND	ND	ND	ND
8/27/98	7	7	22	.200	13.55	no data	no data	no data	no data	ND
2/4/99	5	6	19.5	0.125	11.8	ND	ND	ND	ND	ND

Irwin County: GAFL 22-1

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
11/28/95	5.66	x	23.0	0.032	9.0	ND	ND	ND	ND	BDL
4/23/96	5.52	4.3	23.8	0.030	4.5	ND	ND	ND	ND	BDL
6/25/96	4.49	5.7	19.4	0.023	5.6	ND	ND	ND	ND	BDL
3/20/97	5.5	5	20	0.032	5.1	ND	ND	ND	ND	ND
8/20/97	5	5	22	0.028	6.4	ND	ND	ND	ND	ND
5/6/98	5	5	19	.035	4.35	ND	ND	ND	ND	ND
4/22/99	5	x	20	0.032	6.35	ND	ND	ND	ND	ND

Irwin County: GAFL 23-1 (abandoned on 3/4/98)

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
11/27/95	4.72	x	21.3	0.047	18.2	ND	ND	ND	ND	BDL
4/2/96	4.73	8.4	19.6	0.047	9.6	ND	ND	ND	ND	BDL
6/25/96	3.95	8.0	20.1	0.060	12.2	ND	ND	ND	ND	BDL
3/20/97	4.5	8	x	0.051	10	ND	ND	ND	ND	ND
8/6/97	5	8	22	0.052	16	ND	ND	ND	ND	ND
1/22/98	x	x	x	x	10.35	ND	ND	ND	ND	ND
3/4/98	5	8	20	.053	10.6	ND	ND	ND	ND	ND

Irwin County: GAFL 24-3

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
11/1/95	4.84	9.9	20.9	0.071	21.6	ND	ND	ND	ND	BDL
4/2/96	5.51	6.8	22.2	0.111	8.4	ND	ND	ND	ND	BDL
12/31/96	4.75	x	x	x	13.5	ND	ND	ND	ND	no data
5/1/97	5	7	20	x	11	ND	ND	ND	ND	ND
8/6/97	5	8	22	.095	16	ND	ND	ND	ND	ND
8/13/98	5	8	22	.089	11.3	no data	no data	no data	no data	ND
4/7/99	8	x	21	0.184	21.8	ND	ND	ND	ND	ND

Irwin County: GAFL 25-2

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/16/96	5.20	3.4	20.4	0.048	12.0	ND	ND	ND	ND	BDL
4/24/96	5.14	5.6	19.2	0.057	8.6	ND	no data	no data	no data	BDL
12/31/96	5	x	x	x	7.2	ND	ND	ND	ND	no data
5/7/97	5	6	20	0.077	8.4	ND	ND	ND	ND	ND
7/24/97	5	6	22	0.069	12.4	ND	ND	ND	ND	ND
11/14/97	5	x	x	x	4.15	ND	ND	ND	ND	ND
4/9/98	5	6	18.5	.082	5.65	ND	ND	ND	ND	ND
7/29/98	5	6	21	.080	3.80	no data	no data	no data	no data	ND
1/27/99	5	6	20.2	0.69	23.65	ND	ND	ND	no data	ND
4/8/99	7	x	20.1	0.044	25.15	ND	ND	no data	ND	no data

Irwin County: PW-9

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
4/9/98	x	x	20.2	0.182	ND	ND	ND	ND	ND

Lee County: CP-28A (Deleted 1996)

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/12/93	7.42	9.2	17.7	x	18.2	ND	ND	no data	no data	(-) to 4 ppb
11/16/93	9.24	x	21.8	x	13.9	ND	ND	no data	no data	(-) to 4 ppb
1/12/94	x	6.7	19.6	0.300	13.7	ND	ND	ND	no data	(-) to 4 ppb
4/27/94	6.75	6.2	21.9	x	13.5	ND	ND	ND	no data	(-) to 4 ppb
6/14/94	6.81	5.6	21.3	x	14.6	ND	ND	ND	no data	(-) to 4 ppb
8/10/95	7.01	5.3	23.3	0.374	16.5	ND	ND	ND	ND	BDL
3/14/96	7.24	5.3	21.0	0.370	14.2	ND	ND	ND	ND	BDL
4/30/96	7.32	6.0	21.9	0.392	17.0	ND	ND	ND	ND	BDL
10/10/96	7.03	6.1	20.3	0.380	18.2	ND	ND	ND	ND	ND

Miller County: CP-18A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
12/15/93	9.12	8.1	19.9	x	30.8	ND	ND	ND	no data	(-) to 4 ppb
4/5/94	7.59	7.6	20.9	x	27.1	ND	ND	ND	no data	(-) to 4 ppb
5/4/94	x	9	20.9	x	19.9	ND	ND	ND	no data	(-) to 4 ppb
10/10/95	7.72	6.4	22.6	0.233	34.9	no data	no data	no data	no data	no data
2/6/96	7.77	6.8	21.7	0.247	26.3	ND	ND	ND	ND	BDL
3/12/96	7.75	6.2	21.1	0.250	23.3	ND	ND	ND	ND	BDL
6/4/96	7.54	7.2	20.7	0.193	31.3	ND	ND	ND	ND	BDL
9/18/96	7.37	7.2	21.2	0.253	30.8	ND	ND	ND	no data	ND
10/30/96	7.57	7.5	22.2	1.91	29.4	ND	ND	ND	ND	ND
1/23/97	7.5	7	20.4	0.238	25.9	ND	ND	ND	ND	ND
5/14/97	7	8	22	0.234	29.7	ND	ND	ND	ND	no data
10/8/97	6	8	22	0.230	33.7	ND	ND	ND	ND	ND
2/18/98	7	6	21.5	.262	23.95	ND	ND	ND	ND	ND
5/13/98	7	6	21	0.270	32.2	ND	ND	ND	ND	ND
9/16/98	7	6	22	0.272	29.7	no data	no data	no data	no data	ND
2/17/99	5.5	7	20.5	0.262	28.45	ND	ND	ND	ND	no data
4/7/99	5.5	5	21.5	0.277	29.45	ND	ND	ND	ND	no data

Miller County: AC-31A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
12/1/93	5.19	x	18.3	x	15.2	ND	ND	no data	no data	(-) to 4 ppb
2/7/96	5.78	5.2	22.7	0.040	3.1	ND	ND	ND	ND	BDL
3/12/96	5.96	5.9	22.2	0.056	2.35	ND	ND	ND	ND	BDL
5/29/96	5.12	6.2	20.7	0.053	6.45	ND	ND	ND	ND	BDL
2/19/97	5	x	21	0.045	19.2	ND	ND	ND	ND	ND
5/28/97	5	6	21	0.04	13.7	ND	ND	ND	ND	ND
10/8/97	5	6	22	0.042	19.45	ND	ND	ND	ND	ND
2/18/98	5	6	22	0.061	2.7	ND	ND	ND	ND	ND
5/13/98	5	6	21	0.068	7.95	ND	ND	ND	ND	ND
9/10/98	5	6	21	0.060	6.7	no data	no data	no data	no data	ND
2/24/99	5	6	20	0.058	4.45	ND	ND	ND	ND	ND

Miller County: AC-32A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
12/13/95	6.31	4.5	20.3	0.053	33.7	ND	ND	ND	ND	BDL
2/20/96	6.21	5.8	19.8	0.059	4.85	ND	ND	ND	ND	BDL
5/29/96	5.55	6.1	20.2	0.068	6.2	ND	ND	ND	ND	BDL
2/26/97	5.5	x	20	0.074	5.7	ND	ND	ND	ND	ND
10/1/97	6	7	22	0.061	10.7	ND	ND	ND	ND	ND
2/25/98	6	7	21	0.060	3.95	ND	ND	ND	ND	ND
5/20/98	5	7	21	0.067	8.45	ND	ND	ND	ND	ND
9/10/98	5	7	21.5	0.068	2.15	no data	no data	no data	no data	ND
2/17/99	5	7	21	0.066	40.2	ND	ND	ND	ND	ND

Miller County: AC-34A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
12/1/93	7.48	x	18.3	x	22.2	ND	ND	no data	no data	(-) to 4 ppb
1/5/94	7.52	8.5	19.3	x	14.1	ND	ND	no data	no data	(-) to 4 ppb
3/2/94	7.81	10.1	19.2	x	8.1	ND	ND	no data	no data	(-) to 4 ppb
4/19/94	x	7.3	21.2	x	0.4	ND	ND	no data	no data	(-) to 4 ppb
9/27/95	7.61	x	22.1	0.178	26.3	ND	ND	ND	ND	BDL
2/6/96	7.75	6.0	20.7	0.202	8.0	ND	ND	ND	ND	BDL
3/5/96	7.58	6.1	21.3	0.170	4.9	ND	ND	ND	ND	BDL
5/13/96	7.58	8.0	21.3	0.158	5.7	ND	ND	ND	ND	BDL
10/16/96	7.63	7.6	21.1	0.206	5.3	ND	ND	ND	ND	ND
2/19/97	7.5	x	20	0.207	6.75	ND	ND	ND	ND	ND
5/21/97	7	8	21	0.21	9	ND	ND	ND	ND	ND
10/15/97	6	8	22	0.210	22.25	ND	ND	ND	ND	ND
2/25/98	6	8	20	0.211	3.25	ND	ND	ND	ND	ND
5/13/98	6	8	21	0.219	14.75	ND	ND	ND	ND	ND
9/10/98	6	8	20	0.213	8.0	no data	no data	no data	no data	ND
2/24/99	6	8	20	0.217	27.5	ND	ND	ND	ND	ND

Miller County: AC-35B

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/28/93	7.75	8.4	19.1	x	42.3	ND	ND	no data	no data	(-) to 4 ppb
12/7/93	8.88	x	18.4	x	37.8	ND	ND	ND	no data	(-) to 4 ppb
2/24/94	7.47	6.5	19.5	x	21.4	ND	ND	ND	no data	(-) to 4 ppb
4/19/94	6.88	6.2	21.1	x	12.0	ND	ND	ND	no data	(-) to 4 ppb
9/13/95	7.44	5.0	22.3	0.278	38.8	ND	ND	ND	ND	BDL
2/7/96	7.41	5.7	20.6	0.238	24.4	ND	ND	ND	ND	BDL
3/5/96	7.52	5.2	21.2	0.214	18.8	ND	ND	ND	ND	BDL
5/13/96	7.46	6.2	21.3	0.208	18.5	ND	ND	ND	ND	BDL
2/26/97	7.5	x	19	0.224	22.25	ND	ND	ND	ND	ND
5/21/97	7	6.0	21	0.22	25.95	ND	ND	ND	ND	ND
10/15/97	7	7	22	0.214	36.2	ND	ND	ND	ND	ND
4/2/98	7	7	20	0.216	11.7	ND	ND	ND	ND	ND
8/27/98	7	7	22	0.213	37.7	no data	no data	no data	no data	ND
2/24/99	6.5	7	19.5	0.221	17.95	ND	ND	ND	ND	ND

Miller County: AC-36B (Deleted 1995)

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
12/15/93	x	6.4	19.6	0.200	34.9	ND	ND	ND	no data	(-) to 4 ppb

Miller County: AC-38A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/20/93	7.57	8.6	21.7	x	37.7	ND	ND	no data	no data	(-) to 4 ppb
12/8/93	7.65	7.3	19.8	x	36.4	ND	ND	no data	no data	(-) to 4 ppb
5/10/94	x	x	x	x	22.2	ND	ND	ND	no data	(-) to 4 ppb
10/30/95	7.42	7.2	21.6	0.238	38.3	ND	ND	ND	ND	BDL
10/16/96	7.45	6.4	21.8	0.186	28.2	ND	ND	ND	ND	ND
2/27/97	7.5	x	20	0.205	25.1	ND	ND	ND	ND	ND
7/1/97	7	7	21	0.2	42.1	ND	ND	ND	ND	no data
10/29/97	6	7	22	0.205	39.35	ND	ND	ND	ND	ND
4/2/98	6	7	21	0.204	22.1	ND	ND	ND	ND	ND
8/27/98	6	7	22	0.201	41.1	no data	no data	no data	no data	ND

Miller County: AC-39A (Deleted 1996)

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/19/93	6.15	x	22.6	x	33.6	ND	ND	no data	no data	(-) to 4 ppb
12/8/93	7.75	4.8	20.2	x	32.2	ND	ND	no data	no data	(-) to 4 ppb
2/23/94	6.93	4.8	20.4	x	19.9	ND	ND	ND	no data	(-) to 4 ppb
4/20/94	x	5.9	21.6	x	16.5	ND	ND	ND	no data	(-) to 4 ppb
10/30/95	7.42	7.2	21.6	0.238	38.3	no data	no data	no data	no data	no data

Miller County: PW-4

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
2/4/98	5	5	13	0.261	ND	ND	ND	ND	ND

Miller County: PW-5

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
2/4/98	6	7	18.3	0.264	ND	ND	ND	ND	ND

Mitchell County: CP-30A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/18/93	x	8.7	22.5	x	33.1	ND	ND	no data	no data	(-) to 4 ppb
12/2/93	7.83	x	19.4	x	34.6	ND	ND	no data	no data	(-) to 4 ppb
2/22/94	7.26	6.8	20.3	x	35.6	ND	ND	ND	no data	(-) to 4 ppb
4/5/94	7.50	7.6	20.6	0.225	35.0	ND	ND	ND	no data	(-) to 4 ppb
5/4/94	x	9.8	21.0	x	24.1	ND	ND	ND	no data	(-) to 4 ppb
9/12/95	7.47	5.4	26.0	0.218	33.3	ND	ND	ND	ND	BDL
2/8/96	7.47	6.4	20.3	0.200	36.4	ND	ND	ND	ND	BDL
2/29/96	7.45	6.2	19.7	0.242	35.2	ND	ND	ND	ND	BDL
5/6/96	7.44	7.0	20.8	0.247	29.2	ND	ND	ND	ND	BDL
9/10/96	7.47	x	20.9	0.240	35.98	ND	ND	ND	no data	ND
10/22/96	7.54	6.9	20.5	0.243	35.45	ND	ND	ND	ND	ND
2/20/97	7	x	20.0	0.24	24.5	ND	ND	ND	ND	ND
11/5/97	7	6	21.5	0.248	38.25	ND	ND	ND	ND	ND
5/20/98	6	6	21	0.255	24.0	ND	ND	ND	ND	ND
9/23/98	5	6	22	0.253	36.0	ND	ND	ND	no data	ND
3/17/99	5.5	6	21	0.245	34.25	no data	no data	no data	ND	no data

Mitchell County: PW-6

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
2/12/98	6	7	20.4	0.224	ND	ND	ND	ND	ND

Randolph County: CP-15A (Deleted 1995)

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/13/93	x	11.5	19.1	x	20.9	ND	ND	no data	no data	(-) to 4 ppb
12/2/93	5.56	x	19.3	x	22.2	ND	ND	no data	no data	(-) to 4 ppb

Seminole County: CP-19C

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/28/93	7.70	8.9	20.3	x	44.5	ND	ND	no data	no data	(-) to 4 ppb
4/20/94	x	5.8	22.9	x	25.9	ND	ND	ND	no data	(-) to 4 ppb
9/27/95	7.55	x	21.4	0.255	43.2	ND	ND	ND	ND	BDL
2/15/96	7.41	6.0	20.6	0.286	42.8	ND	ND	ND	ND	BDL
6/4/96	7.53	5.2	21.2	0.283	39.9	no data	ND	ND	no data	BDL
1/22/97	7.5	5.9	20.2	x	40	ND	ND	ND	ND	ND
5/14/97	7	7	21.5	0.279	31	ND	ND	ND	ND	no data
10/22/97	7	6	22	0.347	42.6	ND	ND	ND	ND	ND
3/18/98	6	5	20.2	0.298	15.3	no data	no data	no data	no data	no data
9/16/98	6	6	22	0.347	42.6	no data	no data	no data	no data	ND
3/10/99	7	6	21	0.345	36.8	no data	ND	no data	ND	ND

Seminole County PW-3

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/27/98	5.5	0.279	20	0.279	ND	ND	ND	ND	ND

Sumter County: LC-1C

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
11/2/93	x	9.5	17.1	x	14.7	ND	ND	no data	no data	(-) to 4 ppb
12/8/93	8.19	7.0	18.2	x	7.1	ND	ND	ND	no data	(-) to 4 ppb
2/2/94	x	7.5	18.0	x	1.3	ND	ND	ND	no data	(-) to 4 ppb
8/16/95	7.41	4.4	21.8	0.192	12.4	no data	no data	no data	no data	no data
8/29/95	6.93	4.5	21.5	0.225	18.5	ND	ND	ND	no data	(-) to 4 ppb
10/15/96	7.57	5.9	20.4	0.217	4.5	ND	ND	ND	ND	ND
1/15/97	7	x	17	0.183	0.8	ND	ND	ND	ND	ND
4/3/97	7	7	19	0.226	3.8	ND	ND	ND	ND	ND
4/7/98	7	7	19	0.227	3.3	ND	ND	ND	ND	ND
8/26/98	7	7	22	0.221	1.6	no data	no data	no data	no data	ND
4/14/99	7	7	22	0.220	4.05	ND	ND	ND	ND	ND

Sumter County: LC-2A (Deleted 1995)

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
9/29/93	7.11	x	x	x	59.6	ND	ND	no data	no data	(-) to 4 ppb

Sumter County: LC-3A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/6/93	6.35	8.3	22.6	x	66.6	ND	ND	no data	no data	(-) to 4 ppb
11/1/93	6.25	10.6	17.1	x	64.9	ND	ND	no data	no data	(-) to 4 ppb
1/6/94	6.65	7.4	19.1	x	65.1	ND	ND	ND	no data	(-) to 4 ppb
3/14/94	6.11	7.7	19.1	x	64.2	ND	ND	ND	no data	(-) to 4 ppb
9/14/95	6.30	6.8	20.2	0.143	67.6	ND	ND	ND	ND	BDL
3/4/96	6.57	7.3	19.1	0.107	64.2	ND	ND	ND	ND	BDL
10/9/96	6.55	6.4	19.6	0.146	65.2	ND	ND	ND	ND	ND
1/15/97	6.75	x	17	0.145	65.9	ND	ND	ND	ND	ND
5/29/97	7	6	21	0.139	66.4	ND	ND	ND	ND	ND
9/24/97	6	6	21	0.115	67.15	ND	ND	ND	ND	ND
2/5/98	5	6	17.5	0.139	66.4	ND	ND	ND	ND	ND
5/14/98	5	6	20	0.145	64.65	ND	ND	ND	ND	ND
9/15/98	5	6	21.5	0.124	64.65	no data	no data	no data	no data	ND
3/11/99	5	6	20	0.139	65.65	ND	ND	ND	ND	ND

Sumter County: LC-5B

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/6/93	5.52	8.3	22.9	0.030	17.9	ND	ND	no data	no data	(-) to 4 ppb
11/1/93	4.69	11.33	17	0.030	12.4	ND	ND	no data	no data	(-) to 4 ppb
1/11/94	x	7.9	19.3	0.020	7.9	ND	ND	ND	ND	BDL
3/29/94	4.52	7.0	19.3	0.060	3.0	ND	ND	ND	ND	BDL
4/27/94	4.59	7.4	20.2	0.082	8.6	ND	ND	ND	ND	BDL
6/13/94	4.12	6.3	20.9	0.071	11.3	ND	ND	ND	no data	(-) to 4 ppb
8/16/95	5.42	6.8	22.8	0.055	11.0	ND	ND	ND	no data	(-) to 4 ppb
8/29/95	5.16	6.2	21.5	0.050	19.7	ND	ND	ND	no data	(-) to 4 ppb
1/29/96	5.65	6.5	20.7	0.062	5.4	ND	ND	ND	ND	BDL
2/27/96	5.42	6.1	21.3	0.064	26.4	ND	ND	ND	ND	BDL
5/1/96	5.64	6.9	20.8	0.055	6.0	ND	ND	ND	ND	BDL
8/27/96	4.46	7.2	19.1	0.054	17.0	ND	ND	ND	no data	BDL
10/9/96	4.87	6.5	19	0.051	19.4	ND	ND	ND	ND	ND
1/30/97	5	6.2	20.8	0.065	4.7	ND	ND	ND	ND	ND
5/22/97	5	7	20	0.070	10.2	ND	ND	ND	ND	ND
9/17/97	5	7	19	0.061	19.9	ND	ND	ND	ND	ND
3/3/98	5	7	20.2	0.060	3.65	ND	ND	ND	ND	ND
6/3/98	6	5	21	0.064	6.4	ND	ND	ND	ND	ND
9/22/98	5	7	22	0.060	9.9	no data	no data	no data	no data	ND
3/11/99	5	7	20	0.061	7.9	no data	no data	no data	ND	no data

Sumter County: LC-7A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/11/93	x	4.7	18.6	x	24.8	ND	ND	no data	no data	(-) to 4 ppb
11/3/93	7.32	4.8	18.3	x	16.7	ND	ND	no data	no data	(-) to 4 ppb
2/22/94	7.70	3.7	18.6	x	5.4	ND	ND	ND	no data	(-) to 4 ppb
3/15/94	7.73	2.5	20.8	x	4.5	ND	ND	ND	no data	(-) to 4 ppb
4/11/94	x	x	x	x	5.6	ND	ND	ND	no data	(-) to 4 ppb
5/9/94	7.19	x	x	x	7.2	ND	ND	ND	no data	(-) to 4 ppb
6/21/94	7.09	2.6	20.3	x	6.7	no data	no data	no data	no data	no data
8/30/95	7.54	3.7	23.3	0.219	20.2	ND	ND	ND	ND	BDL
1/23/96	7.43	3.4	20.0	0.225	10.1	ND	ND	ND	ND	BDL
5/6/96	7.54	3.3	22.5	0.232	7.1	ND	ND	ND	ND	BDL
8/26/96	7.15	5.5	22.0	0.224	18.8	ND	ND	ND	no data	ND
10/28/96	7.54	3.6	21.4	0.229	19.65	ND	ND	ND	ND	ND
5/8/97	7	5	19	0.234	9.3	ND	ND	ND	ND	ND
6/18/98	6	4	21	0.239	11.8	no data	ND	ND	ND	ND
2/25/99	6	5	21	0.240	9.05	ND	ND	ND	no data	ND
4/14/99	6	5	21	0.240	13.8	ND	ND	ND	ND	ND

Sumter County: LC-8A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
9/30/93	7.43	x	x	x	38.2	ND	ND	no data	no data	(-) to 4 ppb
11/2/93	7.81	9.6	17.2	x	29.6	ND	ND	no data	no data	(-) to 4 ppb
1/6/94	7.69	6.8	18.3	x	15.2	ND	ND	ND	no data	(-) to 4 ppb
3/15/94	7.42	6.2	20.4	x	11.9	ND	ND	no data	no data	(-) to 4 ppb
4/11/94	7.99	7.1	19.8	0.203	15.4	ND	ND	ND	no data	(-) to 4 ppb
5/9/94	7.38	x	x	x	15.1	ND	ND	ND	no data	(-) to 4 ppb
10/30/95	7.51	5.7	20.4	0.217	28.0	ND	ND	ND	ND	BDL
1/23/96	7.79	6.0	20.4	0.216	17.4	ND	ND	ND	ND	BDL
5/16/96	7.75	7.0	21.6	0.210	17.5	ND	ND	ND	ND	BDL
8/26/96	7.06	8.6	21.7	0.133	29.8	ND	ND	ND	no data	ND
10/29/96	7.61	6.2	22.1	0.209	28.35	ND	ND	ND	ND	ND
1/23/97	7.5	6	20.1	0.211	18.8	ND	ND	ND	ND	ND
7/2/97	7	7	22	0.204	31.4	ND	ND	ND	ND	no data
4/13/98	6	7	19	0.226	15.9	ND	ND	ND	ND	ND
3/18/99	6	7	20.5	0.219	18.3	ND	ND	ND	ND	ND

Sumter County: CP-26B

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
11/30/93	4.4	9.2	19.3	x	4.2	ND	ND	no data	no data	(-) to 4 ppb
1/12/94	x	6.2	19.8	x	3.3	ND	ND	ND	no data	(-) to 4 ppb
4/27/94	4.33	5.1	22.2	x	7.6	ND	ND	ND	no data	(-) to 4 ppb
6/13/94	3.26	4.5	22.2	x	3.25	ND	ND	ND	no data	(-) to 4 ppb
9/25/95	4.67	x	20.2	0.068	13.85	ND	ND	ND	ND	BDL
1/30/96	4.62	6.1	20.0	0.065	4.65	ND	ND	ND	ND	BDL
3/4/96	4.81	5.4	19.3	0.078	8.15	ND	ND	ND	ND	BDL
5/15/96	5.55	7.3	22.8	0.094	6.0	ND	ND	ND	ND	BDL
9/9/96	4.51	x	20.1	0.072	10.2	ND	ND	ND	no data	ND
10/10/96	4.55	5.9	19.5	0.082	8.4	ND	ND	ND	ND	ND
1/29/97	4.5	6	20	0.065	5	ND	ND	ND	ND	ND
4/3/97	6	6	19	0.073	5.75	ND	ND	ND	ND	ND
9/24/97	6	5	21	0.079	12.25	ND	ND	ND	ND	ND
6/3/98	6	5	21	0.084	6.5	no data	ND	ND	ND	ND
3/24/99	6	5	x	x	8.5	ND	ND	ND	no data	ND

Sumter County: PW-1

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/15/98	6	7	16.3	0.295	ND	ND	ND	ND	ND

Sumter County PW-2

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/15/98	6	6	18.7	0.084	ND	ND	ND	ND	ND

Sumter County PW-7

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
2/19/98	6	2	19.1	0.271	ND	ND	ND	ND	ND

Terrell County: CP-22A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/27/93	5.38	10.5	21.7	x	16	no data	no data	no data	no data	no data
10/12/95	5.75	6.5	19.5	0.026	17.5	ND	ND	ND	ND	BDL
2/14/96	5.77	7.2	19.5	0.034	5.5	ND	ND	ND	ND	BDL
5/22/96	5.92	7.0	25.7	0.044	4.0	ND	ND	ND	ND	BDL
9/11/96	6.02	x	20	0.035	14.2	ND	ND	ND	ND	ND
10/24/96	6.06	6.4	19.7	0.038	11.3	ND	ND	ND	ND	ND
2/27/97	6	x	19	0.045	4.75	ND	ND	ND	ND	ND
5/15/97	6	7	20.5	0.043	9.5	ND	ND	ND	ND	no data
10/23/97	6	7	22	0.041	14.75	ND	ND	ND	ND	ND
3/24/99	6	7	x	x	7.5	ND	ND	ND	ND	ND

Terrell County: CP-23B

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/13/93	x	9.34	20.0	x	32.2	no data	no data	no data	no data	no data
12/13/95	5.23	5.7	19.1	0.020	28.2	ND	ND	ND	ND	BDL
2/14/96	5.64	7.2	19.4	0.023	23.1	ND	ND	ND	ND	BDL
3/13/96	5.68	5.4	19.4	0.026	21.8	ND	ND	ND	ND	BDL
5/23/96	5.45	7.1	20.2	0.024	25.6	ND	ND	ND	ND	no data
9/12/96	5.99	x	20.3	0.029	33.2	ND	ND	ND	no data	ND
10/24/96	5.99	7.0	19.8	0.029	33.4	ND	ND	ND	ND	ND
1/30/97	6	7	20	0.03	27.2	ND	ND	ND	ND	ND
4/3/97	6	7	20	0.028	25.6	ND	ND	ND	ND	ND
10/16/97	6	7	22	0.036	35.65	ND	ND	ND	ND	ND
3/5/98	6	7	19	0.030	23.65	ND	ND	ND	ND	ND
6/18/98	6	7	21	0.031	46.4	no data	ND	ND	ND	ND
3/24/99	6	5	x	x	25.4	ND	ND	ND	ND	ND

Tift County: GAFL 10-1

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/9/96	4.56	x	18.6	0.230	5.9	ND	ND	ND	ND	BDL
4/17/96	4.91	8.2	16.9	0.181	3.5	ND	ND	ND	ND	BDL
6/13/96	4.17	7.9	18.5	0.183	5.2	ND	ND	ND	ND	BDL
9/25/96	4.44	6.8	21.6	0.216	10.8	ND	ND	ND	no data	ND
3/12/97	5	7	20	0.205	4.2	ND	ND	ND	ND	ND
7/9/97	5	7	22	0.151	5.5	ND	ND	ND	ND	ND
1/21/98	5	7	20	0.149	3.0	ND	ND	ND	ND	ND
5/6/98	5	7	19	0.152	4.75	ND	ND	ND	ND	ND
2/3/99	5	7	19	0.147	1.0	ND	ND	ND	ND	ND

Tift County: GAFL 11-1

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/9/96	4.84	x	19.4	0.108	2.6	ND	ND	ND	ND	BDL
4/9/96	5.36	5.4	21.8	0.121	1.8	ND	ND	ND	ND	BDL
6/17/96	4.15	6.8	19.0	0.119	3.2	ND	ND	ND	ND	BDL
3/12/97	4.5	6	19	0.104	2.2	ND	ND	ND	ND	ND
7/23/97	5	6	23	0.112	7.9	no data	ND	ND	ND	ND
1/21/98	5	6	20	0.109	2.15	ND	ND	ND	ND	ND
4/14/98	5	6	19	0.103	3.15	no data	ND	ND	ND	ND
6/4/98	5	6	21	0.105	6.9	no data	ND	ND	ND	no data
9/30/98	5	6	22	0.119	0.4	no data	no data	no data	no data	no data

Tift County: GAFL 13-2

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/17/96	4.54	6.6	18.4	0.161	4.8	ND	ND	ND	ND	BDL
3/26/96	4.64	6.5	16.9	0.163	0.8	ND	ND	ND	ND	BDL
6/17/96	3.88	6.1	20.6	0.187	4.5	ND	ND	ND	ND	BDL
9/25/96	4.22	5.3	23.6	0.153	3.8	ND	ND	ND	no data	ND
11/4/96	4.59	6.3	23.4	0.133	3.8	ND	ND	ND	ND	ND
3/20/97	4.5	7	18	0.17	1	ND	ND	ND	ND	ND
8/21/97	5	6	23	0.188	3.3	ND	ND	ND	ND	ND
12/31/97	7	7	18	0.209	0.55	no data	no data	ND	ND	ND
4/15/98	5	5	18	0.174	1.55	no data	ND	ND	ND	ND
8/12/98	5	6	22.5	0.178	4.3	no data	no data	no data	no data	ND
1/28/99	5	6	19.5	0.17	2.3	ND	ND	ND	no data	ND
4/8/99	5	x	19	0.177	4.8	ND	ND	ND	ND	ND

Turner County: GAFL 8-1

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
2/22/96	4.68	7.2	18.5	0.051	9.2	ND	ND	ND	ND	BDL
4/8/96	4.03	6.6	18.0	0.063	6.1	ND	ND	ND	ND	BDL
6/12/96	3.95	7.3	19.3	0.063	9.6	ND	ND	ND	ND	BDL
3/4/97	4.5	7	21	0.082	6.3	ND	ND	ND	ND	ND

Turner County: GAFL 9-1 (Deleted 1996)

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
2/22/96	5.14	2.7	20.3	0.053	11.15	never sampled	never sampled	never sampled	never sampled	never sampled

Turner County: GAFL 15-1

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/10/96	5.43	5.7	19.8	0.043	14.2	ND	ND	ND	ND	BDL
4/24/96	5.15	6.2	22.4	0.026	13.8	ND	ND	ND	ND	BDL
6/18/96	4.61	7.6	20.3	0.045	15.2	ND	ND	no data	ND	BDL
3/26/97	5	6	21	0.045	12.3	ND	ND	ND	ND	ND

Turner County: GAFL 16-1

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
4/3/96	4.64	8.9	19.4	0.154	9.1	ND	ND	ND	ND	BDL
6/12/96	3.86	8.2	19.6	0.154	14.3	ND	ND	ND	ND	BDL
12/30/96	4.5	x	x	x	12.1	ND	ND	ND	ND	no data
4/23/97	4.5	8	20	0.162	14.2	ND	ND	ND	ND	ND
8/14/97	5	8	22	0.182	18.2	ND	ND	ND	ND	ND
11/14/97	5	x	x	x	4.0	ND	ND	ND	ND	ND
4/22/98	5	7	19	0.193	9.5	no data	ND	ND	ND	ND
7/29/98	5	7	21	0.195	16.75	no data	no data	no data	no data	ND
2/18/99	5	x	22	x	15.5	ND	ND	ND	ND	ND

Turner County: GAFL 18-1

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
2/21/96	3.80	8.5	14.1	0.142	2.5	ND	ND	ND	ND	BDL
4/8/96	5.13	4.9	19.2	0.186	0.9	ND	ND	ND	ND	BDL
6/26/96	3.86	6.2	22.2	0.197	4.3	ND	ND	ND	ND	BDL
3/27/97	5	7	19	0.178	2.3	ND	ND	ND	ND	ND
8/27/97	5	6	22	0.182	7.6	ND	ND	ND	ND	ND
12/3/97	5	6	19	0.184	0.8	ND	ND	ND	ND	ND
4/22/98	5	6	19	0.201	18.3	no data	ND	ND	ND	ND
7/29/98	5	6	20	0.202	5.55	no data	no data	no data	no data	ND
1/27/98	5	6	20.2	0.69	6.8	ND	ND	ND	ND	ND

Turner County: GAFL 20-1

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/18/95	4.74	6.4	20.4	0.082	23.3	ND	ND	ND	ND	BDL
3/27/97	5	7	20	0.075	17.8	ND	ND	ND	ND	ND
7/10/97	5	7	22	0.095	20.3	ND	ND	ND	ND	ND
1/8/98	5	7	20	0.079	17.55	ND	ND	ND	ND	ND
4/23/98	5	7	19	0.108	17.8	no data	ND	ND	ND	ND
8/12/98	5	7	21	0.101	21.3	ND	ND	ND	ND	ND
2/18/99	5	7	21	0.102	18.3	no data	no data	no data	ND	ND

Worth County: CP-27A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/11/93	x	9.5	20.3	x	10.9	no data	no data	no data	no data	BDL
11/3/93	7.53	9.3	20.4	x	7.4	ND	ND	ND	ND	(-) to 4 ppb
2/22/94	7.00	8.8	19.7	x	5.5	ND	ND	ND	no data	(-) to 4 ppb
4/28/94	6.29	7.8	20.3	x	4.5	ND	ND	ND	no data	(-) to 4 ppb
6/14/94	6.67	6.8	20.4	x	7.3	ND	ND	ND	no data	(-) to 4 ppb
8/30/95	7.18	6.8	24.3	0.210	12.0	ND	ND	ND	ND	BDL
1/30/96	7.11	6.7	21.4	0.202	7.6	ND	ND	ND	ND	BDL
2/27/96	6.99	6.8	22.2	0.207	7.3	ND	ND	ND	ND	BDL
5/6/96	6.57	6.8	23.3	0.201	7.5	ND	ND	ND	ND	BDL
9/4/96	7.3	6.6	21.3	0.173	10.3	no data	no data	no data	no data	no data
9/18/96	6.56	6.2	21.1	0.178	10.4	ND	ND	ND	no data	ND
10/29/96	7.2	6.9	22.8	0.220	9.0	ND	ND	ND	ND	ND
2/12/97	7	x	x	x	9.5	ND	ND	ND	ND	ND
10/30/97	6	7	21	0.235	9.5	ND	ND	ND	ND	ND
5/20/98	5.5	4	21	0.222	7.55	ND	ND	ND	ND	ND
10/1/98	5	8	22	0.135	11.25	ND	ND	ND	ND	ND

Worth County: GAFL 1-2

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
10/16/95	5.91	1.6	23.6	0.070	10.4	ND	ND	ND	no data	BDL
3/25/96	4.91	8.4	16.0	0.120	2.7	ND	ND	ND	ND	BDL
6/5/96	3.93	7.4	22.0	0.127	4.8	ND	ND	ND	ND	BDL
3/4/97	5	8	18	0.122	2.5	ND	ND	ND	ND	ND
7/9/97	5	7	22	0.123	6	ND	no data	ND	ND	ND
11/24/97	5	7	21	0.121	2.5	no data	ND	ND	ND	ND
2/12/98	7	7	19	0.123	2.5	ND	ND	ND	ND	ND
4/29/98	7	7	19	0.127	5.5	no data	ND	ND	ND	ND
7/30/98	7	7	22	0.128	6.75	no data	no data	no data	no data	ND
10/1/98	7	7	21	0.123	2.05	no data	no data	no data	no data	ND
2/3/99	7	7	19	0.128	2.75	no data	ND	ND	no data	ND
4/14/99	5.5	4	21	0.221	9	no data	no data	no data	ND	no data

Worth County:GAFL 2-3

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
11/29/95	5.34	x	21.3	0.101	9.6	ND	ND	ND	ND	BDL
4/22/96	5.32	7.1	18.4	0.111	8.5	ND	ND	ND	ND	BDL
9/24/96	5.5	6	20	0.118	13	ND	ND	ND	no data	ND
3/19/97	5.5	6	20	0.118	11.8	ND	ND	ND	ND	ND
11/24/97	5.5	6	22	0.120	9.05	ND	ND	ND	ND	ND
4/14/98	6	6	18.5	0.129	9.8	no data	ND	ND	ND	ND
9/24/98	6	6	22	0.133	9.8	no data	no data	no data	no data	no data

Worth County: GAFL 4-1

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	Depth to ground water (ft.)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
11/29/95	4.52	x	21.6	0.128	12.5	ND	ND	ND	ND	BDL
3/25/96	4.67	7.9	16.8	0.122	5.4	ND	ND	ND	ND	BDL
6/5/96	3.94	7.0	19.8	0.166	5.8	ND	ND	ND	ND	BDL
9/24/96	4.3	6.4	22.7	0.156	12.4	ND	ND	ND	no data	ND
3/4/97	4.5	7	19	0.155	3.4	ND	ND	ND	ND	ND
8/7/97	5	7	22	0.162	8.2	ND	ND	ND	ND	ND
1/28/98	5	7	18	0.161	2.2	ND	ND	ND	ND	ND
5/6/98	4	5	19	0.183	8.95	ND	ND	ND	ND	ND
3/17/99	4.5	5	21	0.185	8.7	ND	ND	ND	ND	ND

Worth County: PW-8 A

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
2/25/98	6	2	22.3	0.218	ND	ND	ND	ND	ND

Worth County: PW-8B

Date Sampled	pH (std. units)	Dissolved Oxygen (ppm)	Temp. °C	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/7/98	6	2	23.3	0.282	ND	ND	ND	ND	ND

APPENDIX D

Tabulation of Field Parameters and Laboratory Results for Irrigation Wells

(Arranged by County)

For this appendix, the following abbreviations are used:

°C	= degrees centigrade
µS	= microsiemens
X	= parameter was not measured either due to time constraints, weather conditions, or problems with equipment
ND	= no compounds detected
no data	= either the analysis was not conducted due to the sample exceeding the storage time limits in the laboratory or the analytical data was not reported due to the fact that laboratory quality assurance requirements were not met

Baker County: IR-1

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/5/99	7.50	21.9	0.208	no data	no data	no data	no data	no data
12/7/99	5.50	18.2	2.370	ND	ND	ND	ND	ND

Baker County: IR-2

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/5/99	7.00	23.9	0.233	no data	no data	no data	no data	no data
1/5/00	7.20	19.2	2.380	ND	ND	ND	ND	ND

Baker County: IR-4

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/6/99	7.50	23.7	1.740	no data	no data	no data	no data	no data
1/5/00	8.20	19.1	1.870	ND	ND	ND	ND	ND

Baker County: IR-34

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
7/28/99	7.50	22.9	2.380	no data	no data	no data	no data	no data
2/16/00	7.50	22.0	2.430	ND	ND	ND	ND	ND

Baker County: IR-42

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
8/25/99	6.00	X	X	ND	no data	ND	ND	no data
3/1/00	7.80	23.7	2.580	ND	ND	no data	no data	ND

Baker County: IR-43

Date Sampled	PH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
8/25/99	6.50	X	X	ND	ND	ND	ND	ND

Decatur County: IR-47

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/6/00	X	20.5	X	ND	ND	ND	ND	ND

Dougherty County: IR-3

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/6/99	7.50	22.5	0.260	no data	no data	no data	no data	no data
12/7/99	5.50	20.1	2.540	ND	ND	ND	ND	ND

Dougherty County: IR-40

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
8/25/99	6.00	X	X	ND	no data	no data	no data	no data
3/21/00	6.50	19.6	2.030	ND	ND	ND	no data	ND

Early County: IR-23

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/28/99	7.50	22.2	2.520	no data	no data	no data	no data	no data
2/3/00	7.30	20.1	2.670	ND	ND	ND	ND	ND

Early County: IR-24

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/28/99	7.50	23.8	2.410	no data	no data	no data	no data	no data
2/3/00	7.43	18.8	2.380	ND	ND	ND	ND	ND

Early County: IR-25

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/28/99	8.00	23.7	2.590	no data	no data	no data	no data	no data
4/14/00	X	X	X	ND	ND	no data	ND	ND

Early County: IR-26

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/28/99	7.50	23.1	2.490	no data	no data	no data	no data	no data
4/14/00	X	X	X	ND	ND	no data	ND	ND

Early County: IR-29

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
7/21/99	8.00	24.0	2.250	no data	no data	no data	no data	no data

Early County: IR-30

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
7/27/99	7.50	22.9	2.240	no data	no data	no data	no data	no data
2/16/00	7.50	23.7	2.310	ND	ND	ND	ND	ND

Early County: IR-31

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
7/27/99	7.50	23.7	3.370	no data	no data	no data	no data	no data
2/16/00	7.50	24.5	2.220	ND	ND	ND	ND	ND

Early County: IR-33

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
7/27/99	8.00	24.5	2.250	no data	no data	no data	no data	no data

Early County: IR-39

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
8/12/99	8.00	23.3	2.280	no data	no data	no data	no data	no data
2/3/00	8.20	20.5	2.190	no data	ND	ND	ND	ND

Lee County: IR-8

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/12/99	7.00	24.9	2.250	no data	no data	no data	no data	no data

Lee County: IR-35

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
7/29/99	8.50	22.7	2.420	no data	no data	no data	no data	no data
3/22/00	8.50	20.6	3.180	ND	ND	ND	ND	ND

Lee County: IR-36

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
7/29/99	8.50	23.1	2.400	no data	no data	no data	no data	no data
3/22/00	8.00	22.0	3.080	ND	ND	no data	ND	no data

Lee County: IR-37

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
7/29/99	8.00	22.0	2.840	no data	no data	no data	no data	no data
3/22/00	8.00	22.2	2.430	ND	ND	no data	ND	no data

Lee County: IR-44

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
8/26/99	X	X	X	ND	no data	no data	no data	no data

Lee County: IR-45

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
8/26/99	X	X	X	ND	no data	no data	no data	no data
4/7/00	X	X	X	ND	ND	no data	ND	no data

Lee County: IR-46

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/6/99	X	X	X	ND	ND	ND	ND	ND

Miller County: IR-10

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/19/99	8.00	24.3	0.630	no data	no data	no data	no data	no data
2/1/00	8.00	21.6	2.640	ND	ND	ND	ND	ND

Miller County: IR-11

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/19/99	8.00	23.9	2.010	no data	no data	no data	no data	no data
1/19/00	7.10	20.1	2.260	ND	ND	ND	ND	ND

Miller County: IR-19

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/16/99	7.50	23.7	2.100	no data	no data	no data	no data	no data

Miller County: IR-20

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/16/99	8.00	24.4	2.090	no data	no data	no data	no data	no data
2/2/00	8.00	20.7	2.120	ND	ND	ND	ND	ND

Miller County: IR-21

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/16/99	8.00	24.0	2.320	no data	no data	no data	no data	no data
4/6/00	7.40	X	X	ND	no data	no data	ND .	no data

Miller County: IR-22

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/16/99	8.00	24.7	2.050	no data	no data	no data	no data	no data
2/17/00	8.10	22.1	2.070	ND	ND	ND	ND	ND

Miller County: IR-27

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
7/21/99	8.00	22.9	2.210	no data	no data	no data	no data	no data
2/16/00	7.50	20.3	2.120	ND	ND	ND	ND	ND

Miller County: IR-28

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
7/21/99	8.00	23.1	2.170	no data	no data	no data	no data	no data
2/16/00	7.25	21.9	2.150	ND	ND	ND	ND	ND

Miller County: IR-41

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
8/25/99	6.50	X	X	ND	no data	no data	no data	no data
3/21/00	6.50	23.5	2.640	ND	ND	ND	ND	ND

Miller County: IR-48

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/20/00	7.70	20.1	1.980	ND	ND	ND	ND	ND

Miller County: IR-49

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/20/00	7.80	18.9	2.290	ND	ND	ND	ND	ND

Miller County: IR-51

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
3/1/00	7.50	21.5	2.360	ND	ND	ND	ND	ND
4/6/00	7.03	X	X	ND	no data	no data	ND	no data

Miller County: IR-52

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
3/1/00	8.50	23.6	2.450	ND	ND	ND	ND	ND
4/6/00	7.56	X	X	ND	no data	no data	ND	no data

Miller County: IR-53

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
3/1/00	8.50	24.0	2.460	ND	ND	ND	ND	ND

Mitchell County: IR-15

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/9/99	8.50	23.0	1.840	no data	no data	no data	no data	no data
2/1/00	7.50	20.4	1.850	ND	ND	ND	ND	no data

Mitchell County: IR-16

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/9/99	7.50	24.0	2.540	no data	no data	no data	no data	no data
3/22/00	7.50	22.4	2.670	ND	ND	ND	ND	ND

Mitchell County: IR-17

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/9/99	8.00	24.0	2.330	no data	no data	no data	no data	no data
2/2/00	7.52	18.9	2.090	no data	no data	ND	ND	no data

Mitchell County: IR-18

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/9/99	7.50	23.5	2.100	no data	no data	no data	no data	no data

Mitchell County: IR-38

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
8/11/99	8.00	23.8	1.810	no data	no data	no data	no data	no data

Seminole County: IR-9

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/19/99	8.00	22.6	2.290	no data	no data	no data	no data	no data
1/5/00	8.00	21.3	2.640	ND	ND	ND	ND	ND

Seminole County: IR-12

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/2/99	7.00	22.7	2.230	no data	no data	no data	no data	no data
1/20/00	7.35	20.1	2.340	ND	ND	ND	ND	ND

Seminole County: IR-13

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/2/99	7.50	24.7	1.970	no data	no data	no data	no data	no data

Seminole County: IR-32

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
7/27/99	7.50	24.5	2.410	no data	no data	no data	no data	no data
2/17/00	7.30	22.1	2.420	ND	ND	ND	ND	ND

Seminole County: IR-50

Date Sampled	pH (std.units)	Temp (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
1/5/99	X	21.1	2.610	ND	ND	ND	ND	ND

Sumter County: IR-14

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
6/3/99	5.50	22.7	0.160	no data	no data	no data	no data	no data
12/9/99	5.00	20.8	0.180	no data	no data	ND	ND	ND

Terrell County: IR-5

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/11/99	7.00	23.7	1.540	no data	no data	no data	no data	no data
12/9/99	5.50	22.2	1.520	ND	ND	ND	ND	ND

Terrell County: IR-6

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/12/99	7.00	22.2	0.310	no data	no data	no data	no data	no data
12/9/99	5.00	22.6	0.570	ND	ND	ND	ND	ND

Terrell County: IR-7

Date Sampled	pH (std.units)	Temp. (°C)	Specific Conductance (µS)	EPA Method 507	EPA Method 508.1	EPA Method 555	NPS Method 4	EPA Method 531.1
5/11/99	7.00	23.3	0.470	no data	no data	no data	no data	no data
12/8/99	7.80	21.4	0.580	ND	ND	ND	ND	ND

The Department of Natural Resources is an equal opportunity employer and offers all persons the opportunity to compete and participate in each area of DNR employment regardless of race, color, religion, national origin, age, handicap, or other non-merit factors.