

**GROUNDWATER SUMMARY REPORT
GULF POWER COMPANY
SCHOLZ ELECTRIC GENERATING PLANT
SNEADS, FLORIDA**

Prepared by:

**Gulf Power Company
Environmental Affairs
One Energy Place
Pensacola, FL 32520**

September 30, 2003

RECEIVED

OCT 10 2003

Industrial Wastewater
Section

CERTIFICATION

**PROFESSIONAL GEOLOGIST LICENSED IN THE STATE OF
FLORIDA**

This is to certify that I have reviewed and approve the contents of this Groundwater
Summary Report for the Gulf Power Company, Scholz Electric Generating Plant,
Sneads, Florida.

Ashley D. Jansen

10-08-03

Ashley D. Jansen
Gulf Power Company

Richard M. Markey

10-08-03

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Introduction

This report summarizes the monitoring which has been conducted since the permit was issued on April 13, 1999. Water quality data has been interpreted and trends have been presented in graphical and in tabular form (Appendices B and C). Hydrographs for all monitoring wells are also included in Appendix D.

The monitoring well network was based on an extensive geologic investigation conducted by ViroGroup, Inc. dated July 15, 1993. This investigation involved reviewing old hydrologic data as well as conducting new borings across the site. In addition, gamma ray logging of wells was conducted to ensure that monitoring wells were properly screened and that this facility was properly monitored.

Geology and Hydrogeology:

Recent Deposits and the Citronelle Formation

The Scholz Electric Generation Plant has two aquifers present, the Surficial and Floridan Aquifers. The upper aquifer, termed the surficial aquifer in literature, is composed of recent and Citronelle (U. Pliocene) fine to very fine siliciclastics. At the plant site these sediments are composed of very fine to coarse-grained poorly sorted sands with some gravel present. This aquifer is under water table conditions.

Alum Bluff Group

Below the Citronelle Formation, the Alum Bluff Group (U. Pliocene to L. Miocene) is encountered. West of the Apalachicola River, the Hawthorne Group is replaced by the Alum Bluff Group. Due to the abundance of clay constituents, this unit is an important member of the intermediate confining unit at this site (Wagner, 1991). The vertical permeability of the Alum Bluff Group ranges from 5.3×10^{-7} to 6.5×10^{-9} cm/sec.

Chattahoochee Formation

Beneath the Alum Bluff Group, the Chattahoochee Formation is encountered. This unit is referred to also as the Tampa Limestone and the St. Marks Formation (Wagner, 1991). Previous reports had described this unit as moderately well indurated, very fine grained, sandy, slightly dolomitic calcareous clay (marl) with some indurated lenses or beds of hard fine grained limestone. Similar sediments were encountered during the drilling of the new deep wells.

Based on field studies, the Chattahoochee Formation decreases in thickness as the formation becomes closer to the Apalachicola River. Stream erosion has removed the upper portion of the Chattahoochee Formation at the location of well MW-203MD.

The upper portion of the Chattahoochee Formation (also referred to as residuum in text) in conjunction with the Alum Bluff Group forms a confining unit which inhibits the downward migration of groundwater. The lower portion of this formation forms the upper portion of the Floridan Aquifer. The thickness of these units together range from 13 feet to 49 feet in well locations MW-203MD and MW-205MD respectively. The

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vertical permeability of the Chattahoochee Formation (Unit 2) ranges from 1.1×10^{-6} to $<9.1 \times 10^{-9}$ cm/sec.

Suwannee Limestone

Beneath the Chattahoochee Formation, the Suwannee Limestone is encountered. The 1984 groundwater monitoring plan describes this unit as well indurated fine-grained dolomitic limestone with layers of hard dolomite. Layers or lenses of soft calcareous clay are present.

Based on the latest drilling program, the zone of saturation in the Floridan Aquifer is at the transition between the Chattahoochee Formation and the Suwannee Limestone. The Floridan Aquifer at the Scholz Plant is a confined aquifer. All current monitoring wells are installed in the upper portion of the porous limestone (Chattahoochee Formation/Suwannee Limestone transition) as requested by the Department. Lost circulation was encountered in each borehole (100%). Visible secondary porosity was observed in samples of the Floridan and voids up to four feet were encountered during the installation of the new monitoring wells (MW-210MD). The Suwannee Limestone has well developed secondary porosity (Wagner, 1980).

Permit:

On April 13, 1999, the Florida Department of Environmental Protection issued a renewal to Industrial Wastewater Permit No. F10002283. Specific condition "M" of the groundwater requirements section of this renewal requires the following:

"Upon permit renewal (approximately five years from this permit issuance), a written technical report shall be prepared and submitted to the Department along with the permit renewal application which summarizes and interprets the water quality data and water levels from permit issuance to the date of renewal application submittal. The report shall be submitted by a qualified professional and shall contain the following items at a minimum:

1. Tables and graphs of groundwater quality data, including hydrographs, for all monitoring wells. Rainfall data shall be included with the hydrographs.
2. A comparison of water quality results between background well, downgradient wells.
3. A summary of all violations of applicable water standards.
4. Ground water contour maps for each sampling event.
5. A discussion of any data that is thought to be inconsistent or suspect.
6. A summary of the physical condition of the monitoring system. This should be based on visual observation and sampling records."

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As a result of this renewal, this groundwater summary report provides an evaluation of groundwater data from October 14, 1999 to August 7, 2003. A copy of the permit modification issued April 13, 1999 is included in Appendix A. The tasks described above are included in Appendices B through H. A copy of the laboratory data sheets are included in Appendix I.

The current monitoring network consists of 10 wells for determining water quality and trends analysis in the two separate and distinct aquifer zones. These zones are described in the permit as the Surficial aquifer and the Floridan aquifer. Four additional piezometers are utilized with the other monitoring network to determine groundwater flow. The current monitoring network consists of the following:

Surficial Aquifer (Unit 1):

<u>Test Site Name</u>	<u>Designation</u>	<u>Test Site Number</u>
MW-203S	Compliance	1032A13170
MW-204S	Intermediate	1032A13171
MW-205S	Background	1032A13172
MW-210S	Intermediate	1032A13173

Floridan Aquifer (Unit 2):

<u>Test Site Name</u>	<u>Designation</u>	<u>Test Site Number</u>
WSW-2	Compliance	1032A11454
MW-203MD	Compliance	1032A13165
MW-204MD	Compliance	1032A13166
MW-205MD	Background	1032A13167
MW-210MD	Compliance	1032A13168
MW-212MD	Compliance	1032A13169
MW-103	Water Elevation	1032A11455 (piezometer)
MW-105	Water Elevation	1032A11457 (piezometer)
MW-110A	Water Elevation	1032A11458 (piezometer)
MW-112	Water Elevation	1032A11459 (piezometer)

A. Tables and Graphs of Groundwater Quality Including Hydrographs:

As required in Industrial Wastewater permit FL0002283, tables and graphs of groundwater quality including hydrographs have been included in this report. The tables of water quality are located in Appendix B. The graphs of water quality are located in Appendixes G (Surficial aquifer monitor wells) and H (Floridan aquifer monitor wells).

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Hydrographs for the Surficial and Floridan zones are included in Appendix D. The tables of rainfall data and water levels in graphical form are also located in Appendix D. Both zones which are being monitored for water quality are visibly affected by increases and decreases in rainfall.

B. A Comparison of Water Quality Results Between Upgradient Wells and Downgradient Wells (Intermediate and Compliance):

In order to compare background wells versus intermediate and compliance wells, all water quality data was placed in tabular form for each aquifer zone. These tables are located in Appendix C.

Unit 1 wells are screened within the Surficial aquifer. These wells are comparable to background well 205-S with respect to water quality with the exception of slightly elevated iron, TDS, and radiological levels. It should be noted that the parameters that were detected in this aquifer are well beneath applicable groundwater standards.

Five wells, WSW-2, MW-203MD, MW-204MD, MW-210MD, and MW-212MD, are currently being sampled within unit 2 and have been designated compliance wells. These wells are comparable to background well 205MD with respect to water quality with the exception of slightly elevated Iron, Manganese, and Sulfate in wells 203-MD and 210-MD. Well MW-204MD is slightly elevated in Manganese.

C. A Summary of All Violations of Applicable Water Standards:

Water quality data for the monitoring well network has been collected since the initial characterization event on October 14, 1999. All data was reviewed to determine whether violations in applicable water quality standards occurred. There were no violations of applicable water quality standards.

A trends analysis was conducted on specific parameters which were detected. The graphs used to evaluate trends are included in appendices G and H. This discussion will be addressed in two separate sections dealing with each aquifer zone currently being monitored. No violations in applicable water standards have occurred.

1. Surficial Aquifer (Unit 1) Trends:

Monitor Well MW-203S: A decrease in Cadmium and Aluminum to Non-detect after the first sampling event was noted. TDS increased slightly while there was a slight decrease in Iron.

Monitor Well MW-204S: An increase in specific conductance was noted. The iron concentration directly corresponds to rainfall trends for the period.

Monitor Well MW-205S: Sulfate, Manganese, Iron, TDS and Specific Conductance increased. The most recent sampling event appears anomalous due to previous events being extremely low.

Monitor Well MW-210S: This well had an increase in aluminum from 2000 through 2002, although it decreased to non-detect in 2003. A slight increase in Manganese was detected. A general decrease in chloride concentrations was also observed.

2. Floridan Aquifer (Unit 2) Trends:

Monitor Well WSW-2: A decrease in Sulfate was detected. A slight discernable increase in TDS was noted.

Monitor Well MW-203MD: A slight increase was noted in Manganese, Iron and Chlorides. A slight increase was also noted in Arsenic and Gross Alpha from 1999-2001, although both had decreased during the 2003 sampling event. All of these parameters are within applicable groundwater standards.

Monitor Well MW-204MD: A slight increase was noted for Iron and Sulfate, however, the most recent event in 2003 showed a significant decrease for both parameters. A slight increase was noted in Manganese, TDS and Specific Conductance.

Monitor Well MW-205MD: A slight increase in Specific Conductance was detected. An increase in iron was noted in 2002, although it was non-detect in 2000, 2001, and 2003.

Monitor Well MW-210MD: One detection for Lead was encountered (well below the standard of 0.015 mg/L) with the last three events being non-detect. A very slight increase in TDS was noted from 1999-2002, and a decrease in Sulfate is illustrated in the graph of this well.

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Monitor Well MW-212MD: An increase in Iron (2000-2001) was observed with a consistent decrease after the 2001 sampling event. An increase in Manganese was detected during the 2002 sampling, however, all other events were significantly lower than this event. A decrease in Sulfate and TDS was encountered from 1999-2002, although both parameters slightly increased in 2003.

D. Groundwater Contour Maps for Each Sampling Event:

Two potentiometric maps have been prepared for each annual sampling event including the initial characterization, which was conducted on October 14th, 1999. The unit 1 and 2 potentiometric maps are included in Appendices E and F. Figures 1 through 10 illustrate all water level events for the two zones which are monitored.

Figures 1 through 5 (Appendix E) depict the groundwater flow directions in the Surficial Aquifer (unit 1). Flow direction is towards the Southeast on all potentiometric maps with the exception of the September 2000 event. The flow direction was toward the east.

Figures 6 through 10 are included in Appendix F and depict groundwater flow in the Floridan Aquifer (unit 2). Flow direction is towards the southeast during the 1999-2003 sampling events.

E. A Discussion of Any Data that is Thought to be Inconsistent or Suspect:

In review of the water quality data and the water levels collected since permit issuance, it appears that the first sampling event for well MW203S is suspect for Cadmium, Aluminum, and Chloride. In addition, increase in Sulfate, Manganese, Specific Conductance and Iron appear anomalous for the 2003 sampling event for MW205S. The Sulfate level in MW210S during the 2001 sampling event appears anomalous.

In reference to the flow maps generated, the flow at the site appears reasonable.

F. A Summary of the Physical Condition of the Monitoring System. This should be based on a Visual Observation and Sampling Records:

The physical condition of the current water quality testing system has been evaluated. All wells appear to be in good working order.

G. An Evaluation and Justification for Any Proposed Change to the Routine Parameter List and/or the Sampling Frequency, if Applicable:

Based on a review of the water quality data prior to this report, a proposal has been made to discontinue the analysis of Cadmium, Chromium, Lead, Mercury, and Selenium. Lead, Mercury, and Selenium have not ever been detected. Chromium, Cadmium, and lead have each been detected once. Chromium was detected during one event in well 204-MD during the 2001 sampling. Cadmium was only detected during the 1999 sampling event in Well 203S. Lead was only detected on 9/7/00 in well 210-MD.

Radionuclides are also recommended to be eliminated from the monitoring network. During all sampling events, the levels of radionuclides have been below regulatory standards.

H. Conclusion

Groundwater at Plant Scholz remains in compliance with applicable groundwater standards. Extensive monitoring has been conducted and it is recommended that the parameters in listed in section G above should not be required for further monitoring. This plant has been at this site since 1953 without a detection of many of the required groundwater parameters.

Specific condition H of the NPDES permit requires the analysis of radium 226 and 228 when gross alpha was detected above 3.0 pCi/l. This screening method was added to the permit to allow for additional radionuclide monitoring. These analyses were conducted and none of these parameters were detected in excess of groundwater standards. It is recommended that Gross Alpha, Radium 226 and 228 be deleted from the monitoring plan. Reasonable assurance has been documented that the monitoring network will not detect a violation for this parameter.

The current monitoring network is in good shape and is adequate to monitor groundwater conditions at this site. No additions to this plan are necessary.

REFERENCES

Markey, Richard M., Plant Scholz Groundwater Monitoring Plan, Implementation Report, Pensacola, Florida, Gulf Power Company, March 27, 1997.

Wagner, Jeffery R., et al, "Water Resources Assessment 80-1", Northwest Florida Water Management District, 1980.

Wagner, Jeffery R., et al, Florida's Groundwater Quality Monitoring Program, Hydrogeologic Framework", Florida Geological Survey, Special Publication No. 32, 1991.

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4/14/99 Ro



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

NOTICE OF PERMIT

CERTIFIED MAIL

In the Matter of an
Application for Permit by:

Gulf Power Company
Post Office Box 1151
Pensacola, Florida 32520

Facility ID Number FL0002283

Attention: Jim Vick

Enclosed is Permit Number FL0002283 to Gulf Power Company, One Energy Place, Pensacola, FL 32520 for operation of Units 1 and 2 of the Scholz Electric Generation Plant located on 1460 Gulf Power Road, Sneads, Florida 32460, issued under Section 403.0885, Florida Statutes and DEP Rule 62-620, Florida Administrative Code.

Any party to this permit has the right to seek judicial review of the permit under section 120.68 of the Florida Statutes, by the filing of a Notice of Appeal under rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Mimi A. Drew
Division Director
Division of Water Facilities
2600 Blair Stone Road
Tallahassee, FL 32399-2400
(850) 487-1855

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on April 13, 1999 to the listed persons.

[Clerk Stamp]

FILING AND ACKNOWLEDGMENT

FILED, on this date, under section 120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

S. Shields April 13, 1999
(Clerk) (Date)

Copies furnished to:

Milton Pittman - Chairman, Board of Jackson County Commissioners
Douglas Mundrick - EPA (w/enclosure)
William Schaal - DEP Pensacola (w/enclosure)

**STATE OF FLORIDA
INDUSTRIAL WASTEWATER FACILITY PERMIT**

PERMITTEE:

Gulf Power Company
One Energy Place
Pensacola, Florida 32520

PERMIT NUMBER: FL0002283
ISSUANCE DATE: April 13, 1999
EXPIRATION DATE: April 12, 2004
APPLICATION NO.: FL0002283-001-IW1S

FACILITY:

Scholz Electric Generation Plant
1460 Gulf Power Road
Jackson County
Sneads, Florida 32460

Latitude: 30° 39' 58" Longitude: 84° 53' 12"

This permit is issued under the provisions of Chapter 403, Florida Statutes, and applicable rules of the Florida Administrative Code and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. The above named permittee is hereby authorized to operate the facilities shown on the application and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TREATMENT FACILITIES:

All treated and untreated wastewater (except once-through cooling water) is discharged to the ash pond. The ash pond discharges via Outfall I-1C (formerly Outfall 002) to the facility's 850-foot long discharge canal. Wastewater streams that discharge to the ash pond include: ash sluice water, water softener regeneration wastewater, boiler blowdown, air preheater wash, auxiliary equipment cooling water, coal pile runoff, yard sumps, and treated domestic wastewater.

Domestic wastewater receives secondary treatment in a package treatment plant prior to discharge to the ash pond.

EFFLUENT DISPOSAL:

This permit authorizes discharges from Outfall D-01 (combined plant discharge, formerly Outfall 001), Outfall I-1C (ash pond discharge, formerly Outfall 002), and Outfall I-1A (treated domestic wastewater, formerly Outfall 004). The combined plant discharge (Outfall D-01) discharges to Apalachicola River, a Class III fresh water. This permit also authorizes the discharge of ash sluice waste, coal pile runoff, and other low volume wastewaters to the ash pond.

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions set forth in Part I 7 pages, Part II 1 page, Part III 3 pages, Part IV 1 page, Part V 1 page, Part VI 1 page, Part VII 6 pages, and Part VIII 5 pages of this permit.

PERMITTEE:

Gulf Power Company
One Energy Place
Pensacola, Florida 32520

PERMIT NUMBER:

FL0002283

ISSUANCE DATE:

April 13, 1999

DATE:

April 12, 2004

APPLICATION NO.:

FL0002283-001-IW1S

I. Effluent Limitations and Monitoring Requirements

A. Surface Water Discharges

1. During the period beginning on the issuance date of this permit and lasting through the expiration date, the permittee is authorized to discharge from **OUTFALL D-01 - COMBINED PLANT DISCHARGE** (formerly Outfall 001), during periods of normal plant operation to the Apalachicola River.
- a. Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	Maximum Monthly Average	Instantaneous Maximum	Measurement Frequency	Sample Type	Sample Point
Flow, MGD	NA	Report	1/day	Calculated	EFF-2
Intake Temperature, °F	Report	Report	4/day	Digital Readout	INT-1
Discharge Temperature, °F	Report	Report	4/day	Digital Readout	EFF-1
pH Range, stand. units	NA	6.0 (minimum) 8.5 (maximum)	1/week	Grab	EFF-2
Fecal Coliform, #/100 ml	NA	800	1/quarter	Grab	EFF-2
Effluent Hardness, mg/l as CaCO ₃	NA	Report	1/year	24-hr Composite	EFF-2
Total Residual Chlorine, mg/l	NA	0.01	1/week	Multiple Grabs ¹	EFF-2
Oil & Grease, mg/l	NA	5.0	1/quarter	Grab	EFF-2
Total Recoverable Cadmium, ug/l	NA	See footnote ^{2,3}	1/year	24-hr Composite	EFF-2
Total Recoverable Copper, ug/l	NA	See footnote ^{2,3}	1/year	24-hr Composite	EFF-2
Iron, mg/l	NA	1.0 ²	1/year	24-hr Composite	EFF-2
Total Recoverable Lead, ug/l	NA	See footnote ^{2,3}	1/year	24-hr Composite	EFF-2

¹ Multiple grabs for shall consist of grab samples collected at approximately the beginning of the period of expected chlorine discharge and once every 15 minutes thereafter until the end of the period of chlorine discharge.

² The actual limit shall be the water quality standard set forth in FAC 62-302.530 for Class III fresh waters (as provided here or as calculated in Footnote 3 below) or the concentration of the intake cooling water, whichever is greater. If the Outfall 001 composite sample exceeds the intake concentration (and the intake concentration exceeds the water quality standard), a minimum of five (5) additional subsamples shall be measured from the original intake and outfall composites and a "student's t-test" shall be run on these additional subsamples comparing discharge concentrations with the intake concentrations; unless the discharge concentration exceeds the intake concentration at the 95% confidence level, the facility shall be in compliance with the limitation.

³ The water quality standard is the hardness-based standard as specified in FAC 62-302.530 for Class III freshwater. The water quality standard shall be calculated by inserting the effluent hardness into the appropriate formula for a particular metal as specified in FAC 62-302.530.

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- b. The time of chlorination shall not exceed 2 hours per unit per day and both units shall not be chlorinated simultaneously.
- c. Limitations and monitoring requirements for total residual chlorine are not applicable for any week in which once-through cooling water intake is not chlorinated.
- d. The location of sampling points as specified above are as follows:

INT-1 - Condenser inlets.

EFF-1 - Condenser outlets.

EFF-2 - In the discharge canal 200 feet downstream from the ash pond discharge prior to the confluence of the discharge canal and the Apalachicola River.

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2. During the period beginning on the issuance date of this permit and lasting through the expiration date, the permittee is authorized to discharge from internal **OUTFALL I-1C - ASH POND DISCHARGE** (formerly Outfall 002), to the discharge canal.
- a. Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS			MONITORING REQUIREMENTS		
	Maximum Daily Average	Maximum Monthly Average	Instantaneous	Measurement Frequency	Sample Type	Sample Point
Flow, MGD	Report	NA	NA	1/week	Calculation	EFF-3
Oil & Grease, mg/l	20	15	NA	1/2 weeks	Grab	EFF-3
Total Suspended Solids, mg/l	100	30	NA	1/ week	24-hr Composite	EFF-3
Total Recoverable Nickel, ug/l	NA	NA	Report	1/year	Grab	EFF-3
pH Range, standard units	6.0 (minimum) 9.0 (maximum)	NA	NA	1/ week	Grab	EFF-3

- b. The location of sampling points as specified above are as follows:

EFF-3 - Ash pond discharge weir.

PERMITTEE:

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4. During the period beginning on the issuance date of this permit and lasting through the expiration date, the permittee is authorized to discharge from internal **OUTFALL I-1A - DOMESTIC WASTEWATER TREATMENT PLANT EFFLUENT** (formerly Outfall 004) to the ash pond.

- a. Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	Maximum Daily Average	Maximum Monthly Average	Measurement Frequency	Sample Type	Sample Point
Flow, MGD	Report	Report	1/week ¹	metered	EFF-4
Biochemical Oxygen Demand (BOD), mg/l	60.0	30.0	1/quarter	grab	EFF-4
Total Suspended Solids, mg/l	60.0	30.0	1/quarter	grab	EFF-4

- b. Wastewater treatment plant effluent shall be continuously chlorinated and a 0.5 mg/l chlorine residual shall be maintained in the contact chamber for 15 minutes prior to discharge.
- c. The location of sampling points as specified above are as follows:

EFF-4 - Wastewater treatment outlet box.

¹ Flow measurement shall be taken on the day of the highest expected flow rate for the week based on number of employees working.

PERMITTEE:

Gulf Power Company
One Energy Place
Pensacola, Florida 32520

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APPLICATION NO.:

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B. Other Limitations and Monitoring and Reporting Requirements

1. The approved analytical methods and corresponding Department established MDL (method detection limit) and PQL (practical quantification limit) are listed for the following parameters:

Parameter	EPA Method	MDL (ug/l)	PQL (ug/l)
Cadmium	213.2	0.1	0.5
Copper	220.2	1.0	5.0
Iron	236.2/200.7/236.1	2.0/10.0/30.0	10.0/50.0/100.0
Lead	239.2	2.0	5.0
Nickel	200.7	3.3	40.0
Total Residual Chlorine	330.1	30.0	30.0
Oil & Grease	413.1	5000.0	5000.0

The MDLs and PQLs listed above shall constitute the minimum reporting levels for the life of the permit. The Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those listed above. Unless otherwise specified, sample results shall be reported as follows:

- results greater than or equal to the PQL shall be reported as the measured quantity.
 - results less than the PQL and greater than or equal to the MDL shall be reported as the PQL value followed by the lab code "m" and the value of the MDL in parentheses, and shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits. Any measurement greater than the permit limit but less than the PQL shall not be considered a permit violation if the permit limit is less than the PQL but greater than or equal to the MDL..
 - results less than the MDL shall be reported as the MDL followed by the lab code "u". A value of one half the MDL or half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limit or monitoring requirement. [62-4.246, 6-13-96]
2. Monitoring results obtained for each calendar month shall be summarized for that month and reported on a Discharge Monitoring Report (DMR), Form 62-620.910(10), postmarked no later than the 28th day of the month following the completed calendar month. For example, data for January shall be submitted by February 28. Signed copies of the DMR shall be submitted to the address specified below:

Florida Department of Environmental Protection
Wastewater Compliance and Evaluation Section, Mail Station 3551
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

If no discharge occurs during the reporting period, sampling requirements of this permit do not apply. The statement "No discharge" shall be written on the DMR form. If, during the term period of this permit, the facility ceases to discharge, the Department shall be notified immediately upon cessation of discharge. Such notification shall be in writing.

PERMITTEE:

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3. Unless specified otherwise in this permit, all other reports and notifications required by this permit, including twenty-four hour notifications, shall be submitted to or reported to, as appropriate, the Department's Northwest District Office at the address specified below:

Florida Department of Environmental Protection
Northwest Florida District
160 Government Center
Pensacola, Florida 32501-5794
Phone Number (850) 595-8300

4. In order to determine compliance with the discharge limitations specified in Section I.A of this permit sampling results shall be calculated and reported as follows:

Daily Average Value - the average of all sampling results for a parameter for a single day.

Weekly average Value - the average of all daily average values for a weekly period.

Monthly Average Value - the average of all daily average values for a monthly period.

Instantaneous Value - the value of a single sampling result taken at any given time.

When only one sample is required to be taken per day then the value of that sampling result shall be the daily average value. Likewise for weekly and monthly averages when only one sample is taken during the week or month, respectively.

5. After two years of data collection the permittee may request by permit revision a reduction in parameter monitoring frequencies in accordance with EPA Document 833-R-96-001 entitled Interim Guidance for Performance Based Reduction of NPDES permit Monitoring Frequencies (April 19, 1996).
6. There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid.
7. Discharge of uncontaminated storm water, intake screen backwash water, turbine oil cooler water, and hydrogen generator cooler water is permitted without limitations or monitoring requirements, except that there shall be no discharge of floating oil.
8. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of a visible oil sheen at any time. Any such discharges shall be reported to the Department when submitting DMR's.
9. Discharge of any product registered under the Federal Insecticide, Fungicide, and Rodenticide Act to any waste stream which ultimately may be released to waters of the State is prohibited unless specifically authorized elsewhere in this permit. This requirement is not applicable to products used for lawn and agricultural purposes or to the use of herbicides if used in accordance with labeled instructions and any applicable State permit.

A permit revision from the Department shall be required prior to the use of any biocide or chemical additive used in the cooling system (except chlorine as authorized elsewhere in this permit) or any other portion of the treatment system which may be toxic to aquatic life. The permit revision request shall include:

- a. Name and general composition of biocide or chemical

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- b. Frequencies of use
- c. Quantities to be used
- d. Proposed effluent concentrations
- e. Acute and/or chronic toxicity data (laboratory reports shall be prepared according to Section 12 of EPA document no. EPA/600/4-90/027 entitled, Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters for Freshwater and Marine Organisms, or most current addition.)
- f. Product data sheet
- g. Product label

The Department shall review the above information to determine if a major or minor permit revision is necessary. Discharge associated with the use of such biocide or chemical is not authorized without a permit revision by the Department. Permit revisions shall be processed in accordance with the requirements of Chapter 62-620, F.A.C.

- 10. Discharge of any waste resulting from the combustion of toxic, hazardous, or metal cleaning wastes to any waste stream which ultimately discharges to waters of the State is prohibited, unless specifically authorized elsewhere in this permit. The discharge of plant ash transport water, resulting from the combustion of on-specification used oil as authorized under the Resource Conservation and Recovery Act and 40 CFR Part 266, via the ash pond shall be an authorized discharge of this permit.
- 11. The permittee shall periodically survey all ash pond dikes and toe areas for structural integrity. Not later than December 31, 1998, and annually thereafter, the permittee shall certify that no breaches or structural defects resulting in the discharges to surface waters of the State were observed during the previous calendar year. In the event that such defect(s) exists and results in potential discharge to surface waters of the State, the permittee shall notify the Department within fifteen (15) days of becoming aware of the situation and provide a proposed course of corrective action and implementation schedule.
- 12. The permittee shall not store coal, soil, or other similar erodable materials in a manner in which runoff is uncontrolled, or conduct construction activities in a manner which produces uncontrolled runoff.
- 13. Not later than December 31, 1998, and annually thereafter, the permittee shall certify that the ash pond provides the necessary minimum wet weather detention volume to contain the combined volume for all direct rainfall and all rainfall runoff to the pond resulting from the 10-year, 24-hour rainfall event and maximum dry weather plant waste flows which could occur during a 24-hour period. The basis for the annual certification shall be the physical survey previously conducted in April 1997 and the amount of ash or other material disposed in or removed from the ash pond during the calendar year. Another physical survey shall be conducted 3 to 6 months prior to the expiration of this permit to be used as the basis for certification for the last calendar year of this permit and for certifications required during the next permitting cycle.
- 14. Monitoring requirements specified in Section I.A of this permit shall begin on May 1, 1999.

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II. Industrial Sludge Management Requirements

1. The disposal of sludge or other solids generated from the plant's wastewater treatment and containment system shall be reused, reclaimed, or otherwise disposed of in accordance with Department rules and regulations.

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III. Groundwater Monitoring Requirements

- A. During the period of operation authorized by this permit, the permittee shall sample ground water in accordance with this permit and the approved ground water monitoring plan prepared under Rule 62-522.600, F.A.C.
- B. The ground water monitoring plan for the facility shall consist of the following monitoring wells:

Well Name	DEP Test Site ID	Aquifer Monitored	Well Type
WSW-2	1032A11454	Floridan	Compliance
MW-203MD	1032A13165	Floridan	Compliance
MW-204MD	1032A13166	Floridan	Compliance
MW-205MD	1032A13167	Floridan	Background
MW-210MD	1032A13168	Floridan	Compliance
MW-212MD	1032A13169	Floridan	Compliance
MW-203S	1032A13170	Surficial	Compliance
MW-204S	1032A13171	Surficial	Intermediate
MW-205S	1032A13172	Surficial	Background
MW-210S	1032A13173	Surficial	Intermediate
MW-103	1032A11455	Floridan	Water Elevation
MW-105	1032A11457	Floridan	Water Elevation
MW-110A	1032A11458	Floridan	Water Elevation
MW-112	1032A11459	Floridan	Water Elevation

- C. A zone of discharge previously established for the Scholz facility is continued, more specifically described as follows:
- The allowable horizontal zone of discharge into ground water shall be to the property lines or mean high water line. The vertical zone of discharge shall be from the land surface to the top of the Floridan Aquifer.
- E. Analyses shall be conducted on un-filtered samples, unless the approval steps outlined in the FDEP document entitled Determining Representative Ground Water Samples, Filtered or Unfiltered (January 1994) have been met and approved by the Department.
- F. If a monitoring well becomes damaged or cannot be sampled for some reason, the permittee shall notify the Department with a written report within thirty days detailing the circumstances and remedial measures taken or proposed. Replacement of monitoring wells shall be approved in advance by the Department.
- G. Ground water monitoring test results shall be submitted on form Groundwater Monitoring Report Part D and shall be submitted in conjunction with the DMR in accordance with condition I.B.2.

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- H. All the above monitoring wells except water elevation wells shall be taken and analyzed annually for the parameters listed below. Water elevation wells shall be sampled for water elevations only.

Parameters (units)	Ground Water Standards
	Class G-II
Water level (NGVD)	NA
pH (SU)	NA, exempt by rule (6.5-8.5 SU) SDWS
specific conductance (µmhos/cm)	NA
Aluminum (µg/l)	NA, exempt by rule (0.200 mg/l) SDWS
Arsenic (µg/l)	0.050 mg/l PDWS
Cadmium (µg/l)	0.005 mg/l PDWS
Chloride (mg/l)	NA, exempt by rule (250.0 mg/l) SDWS
Chromium (µg/l)	0.100 mg/l PDWS
Iron (mg/l)	NA, exempt by rule (0.300 mg/l) SDWS
Lead (µg/l)	0.015 mg/l PDWS
Manganese (µg/l)	NA, exempt by rule (0.050 mg/l) SDWS
Mercury (µg/l)	0.002 mg/l PDWS
Selenium (µg/l)	0.050 mg/l PDWS
Sulfate (mg/l as SO ₄)	NA, exempt by rule (250 mg/l) SDWS
Gross Alpha (pCi/l)	15 pCi/l PDWS
Combined Radium 226 and 228 ¹	5 pCi/l PDWS
Total Dissolved Solids (TDS) mg/l	NA, exempt by rule (500 mg/l) SDWS

- I. All monitoring well water levels shall be measured on the same day and recorded prior to evacuating the wells for sample collection. Measurements, referenced to the National Geodetic Vertical Datum, shall include the top of the well casing, depth to ground water, and the calculated ground water elevation at a precision of plus or minus 0.01 feet.
- J. Ground water monitoring wells shall be evacuated or purged prior to sampling to obtain a representative sample. All sampling procedures shall be in accordance with the approved ground water monitoring plan.
- K. A complete sampling record shall be provided for each monitor well. This record shall include water level; total depth of the well; volume of water in the well; volume of water removed; stabilization documentation including pH, conductivity, and temperature; time interval of purging; time sample is taken; and device(s) used for purging (including discharge rate) and sampling.
- L. In the event that water quality monitoring shows a violation of the applicable water quality standards, the permittee shall arrange for a confirmation resampling within 15 days after the permittee's receipt of laboratory results. In the event that the permittee chooses not to conduct the reconfirmation sampling, the Department shall

¹ When gross alpha is detected above 3.0 pCi/l then combined Radium 226 and 228 shall be tested and reported.

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consider the initial analysis to be representative of the current water quality conditions at this facility. If the initial results demonstrates or the resampling confirms groundwater contamination, the permittee shall notify the Department in writing within 14 days of this finding.

- M. Upon permit renewal (approximately 5 years from this permit issuance), a written technical report shall be prepared and submitted to the Department along with the permit renewal application which summarizes and interprets the water quality data and water levels from permit issuance to the date of renewal application submittal. The report shall be submitted by a qualified professional and shall contain the following items at a minimum:
1. Tables and graphs of water quality data, including hydrographs, for all monitoring wells. Rainfall data should be included with the hydrographs.
 2. A comparison of water quality results between background well, downgradient wells.
 3. A summary of all violations of applicable water standards.
 4. Ground water contour maps for each sampling event.
 5. A discussion of any data that is thought to be inconsistent or suspect.
 6. A summary of the physical condition of the monitoring system. This should be based on visual observation and sampling records.

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IV. Other Land Application Requirements

- A. The permittee's discharge to ground water shall not cause a violation of water quality standards for Class G-II ground waters at the boundary of the zone of discharge in accordance with rules 62-520.400 and 62-520.420, 62-520.520(1), F.A.C.. This facility has "existing installation" status and is exempt from compliance with secondary drinking water standards.
- B. The permittee's discharge to ground water shall not cause a violation of the minimum criteria for ground water specified in rule 62-520.400, F.A.C., within the zone of discharge."

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V. Operation and Maintenance Requirements

A. Operation of Treatment and Disposal Facilities

1. The permittee shall ensure that the operation of this facility is as described in the application and supporting documents.
2. The operation of the pollution control facilities described in this permit shall be under the supervision of a person who is qualified by formal training and/or practical experience in the field of water pollution control appropriate for those facilities.

B. Record keeping Requirements:

1. The permittee shall maintain the following records on the site of the permitted facility and make them available for inspection:
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports, other than those required in items a. and b. of this section, required by the permit for at least three years from the date the report was prepared, unless otherwise specified by Department rule;
 - c. Records of all data, including reports and documents used to complete the application for the permit for at least three years from the date the application was filed, unless otherwise specified by Department rule;
 - d. A copy of the current permit;
 - e. A copy of any required record drawings;
 - f. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date on the logs or schedule

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VI. Compliance Schedules and Self-imposed Improvement Schedules

A. Schedule of Compliance

1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:

a. Operational level attained.....Issuance Date (ID) of permit

b. Best Management Practices Pollution Prevention(BMP3) Plan (See Part VII, Subpart C)

(1) Develop plan..... ID of permit plus 6 months

(2) Implement plan..... ID of permit plus 12 months

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by an identified date, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

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VII. Other Specific Conditions

A. Specific Conditions Applicable to all permits

1. Drawings, plans, documents or specifications submitted by the permittee, not attached hereto, but retained on file with the Department, are made a part hereof.
2. If significant historical or archaeological artifacts are discovered at any time within the project site, the permittee shall immediately notify the District Office and the Bureau of Historic Preservation, Division of Archives, History and Records Management, R.A. Gray Building, Tallahassee, Florida 32301.
3. Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.) Florida Statutes, applicable portions of reports to be submitted under this permit, shall be signed and sealed by the professional(s) who prepared them.
4. This permit satisfies industrial wastewater program permitting requirements only and does not authorize operation of this facility prior to obtaining any other permits required by local, state or federal agencies.

B. Duty to Reapply

1. The permittee shall submit an application to renew this permit at least 180 days before the expiration date of this permit.
2. The permittee shall apply on the appropriate form listed in Rule 62-620.910, F.A.C., and in the manner established in Rules 62-620.400, 62-620.410, F.A.C. and the Department of Environmental Protection Guide to Wastewater Permitting including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.
3. An application filed in accordance with subsections 1. and 2. of this part shall be considered timely. When an application for renewal of a permit is timely and sufficient, the existing permit shall not expire until the Department has taken final action on the application for renewal or until the last day for seeking judicial review of the agency order or a later date fixed by order of the reviewing court.
4. The late submittal of a renewal application shall be considered timely and sufficient for the purpose of extending the effectiveness of the expiring permit only if it is submitted and made complete before the expiration date.

C. Specific Conditions Related to Best Management Practices Condition

1. Best Management Practices Plan :

In accordance with Rule 62-620.620(1)(n), the permittee shall develop and implement a Best Management Practices incorporating pollution prevention measures. References which may be used in developing the plan are "Criteria and Standards for Best Management Practices Authorized Under Section 304(e) of the Act", found at 40 CFR Section 122.44(k), the Storm Water Management Industrial Activities Guidance Manual, EPA/833-R92-002 and other EPA documents relating to Best Management Practice guidance.

2. Definitions:

- a. The term "pollutants" refers to conventional, non-conventional and toxic pollutants, as appropriate for the NPDES storm water program and toxic pollutants.
- b. Conventional pollutants are: biochemical oxygen demand (BOD), suspended solids, pH, fecal coliform bacteria and oil & grease.

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- c. Non-conventional pollutants are those which are not defined as conventional or toxic, such as phosphorus, nitrogen or ammonia. (Ref: 40 CFR Part 122, Appendix D, Table IV)
- d. For purposes of this part, Toxic pollutants include, but are not limited to: a) any toxic substance listed in Section 307(a)(1) of the CWA, any hazardous substance listed in Section 311 of the CWA, and b) any substance (that is not also a conventional or non-conventional pollutant) for which EPA has published an acute or chronic toxicity criterion, or that is a pesticide regulated by the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).
- e. "Pollution prevention" refers to the first category of EPA's preferred hazardous waste management strategy - source reduction.
- f. "Significant Materials" is defined as raw materials; fuels; materials such as solvents and detergents; hazardous substances designated under Section 101(14) of CERCLA; and any chemical the facility is required to report pursuant to EPCRA, Section 313; fertilizers; pesticides; and waste products such as ashes, slag and sludge.
- g. "Source reduction" means any practice which: i) reduces the amount of any pollutant entering a waste stream prior to recycling, treatment or disposal; and ii) reduces the hazards to public health and the environment associated with the release of such pollutant. The term includes equipment or technology modifications, process or procedure modifications, substitution of raw materials, and improvements in housekeeping, maintenance, training, or inventory control. It does not include any practice which alters the physical, chemical, or biological characteristics or the volume of a pollutant through a process or activity which itself is not integral to, or previously considered necessary for, the production of a product or the providing of a service.
- h. "BMP3" means a Best Management Pollution Prevention Plan incorporating the requirements of 40 CFR § 125, Subpart K, plus pollution prevention techniques, except where other existing programs are deemed equivalent by the permittee. The permittee shall certify the equivalency of the other referenced programs.
- i. "Reportable Quantity (RQ) Discharge" A RQ release occurs when a quantity of a hazardous substance or oil is spilled or released within a 24-hour period of time and exceeds the RQ level assigned to that substance under CERCLA or the Clean Water Act. These levels or quantities are defined in terms of gallons or pounds. Regulations listing these quantities are contained at 40 CFR 302.4, 40 CFR 117.21 and 40 CFR 110.
- j. The term "material" refers to chemicals or chemical products used in any plant operation (i.e., caustic soda, hydrazine, degreasing agents, paint solvents, etc.). It does not include lumber, boxes, packing materials, etc.

3. Best Management Practices/Pollution Prevention Plan:

The permittee shall develop and implement a BMP3 plan for the facility which is the source of wastewater and storm water discharges. The plan shall be directed toward reducing those pollutants of concern which discharge, or could discharge, to surface waters to and shall be prepared in accordance with good engineering and good housekeeping practices. For the purposes of this permit, pollutants of concern shall be limited to toxic pollutants and significant materials, as defined above, known to the discharger. The plan shall address all activities which could or do contribute these pollutants to the surface water discharge, including storm water, water and waste treatment, and plant ancillary activities.

4. Signatory Authority & Management Responsibilities:

A copy of the BMP3 plan shall be retained at the facility and shall be made available to the permit issuing authority upon request.

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The BMP3 plan shall contain a written statement from corporate or plant management indicating management's commitment to the goals of the BMP3 program. The BMP3 plan shall be signed and reviewed by the plant management.

5. BMP3 Plan Requirements:

The following requirements may be incorporated by reference from existing facility procedures:

- a. Name and description of facility
- b. A site map - At a minimum the site map must include information of the following: discharge points ("outfalls"); drainage patterns; identification of the types of pollutants likely to be discharged from each drainage area; direction of flow; surface water bodies, including any proximate stream, river, lake, or other waterbody receiving storm water discharge from the site; structural control measures (physically constructed features used to control storm water flows); locations of "significant materials" exposed to storm water; locations of industrial activities (such as fueling stations, loading and unloading areas, vehicle or equipment maintenance areas, waste disposal areas, storage areas).
- c. A materials inventory including the types of materials that are handled, stored, or processed onsite, particularly significant materials. To complete the materials inventory, the permittee must list materials that have been exposed to storm water in the past 3 years (focus on areas where materials are stored, processed, transported, or transferred and provide a narrative description of methods and location of storage and disposal areas, materials management practices, treatment practices, and any structural/nonstructural control measures.
- d. A list of significant spills and leaks of toxic or hazardous materials that have occurred in the past 3 years. "Significant spills" includes releases in excess of reportable quantities.
- e. A summary of any existing storm water sampling data and a description of the sample collection procedures used.
- f. A site evaluation summary - The Site Evaluation Summary should provide a narrative description of activities with a high potential to contaminate storm water at the site, including those associated with materials loading and unloading, outdoor storage, outdoor manufacturing or processing, onsite disposal, and significant dust or particulate generating activities. The summary should also include a description of any pollutants of concern that may be associated with such activities.
- g. A narrative description of the following BMP's:
 - (i) - Good Housekeeping Practices
 - (ii) - Preventive Maintenance The permittee must develop a preventive maintenance program that involves inspections and maintenance of storm water management devices and routine inspections of facility operations to detect faulty equipment. Equipment (such as tanks, containers, and drums) should be checked regularly for signs of deterioration.
 - (iii) - Visual Inspections Regular inspections shall be performed by qualified, trained plant personnel. Reports shall note when inspections were done, the name of the person who conducted the inspection, which areas were inspected, what problems were found, and what steps were taken to correct any problems.

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- (iv) - Spill Prevention and Responses Areas where spills are likely to occur and their drainage points must be clearly identified in the BMP3 plan. Employees shall be made aware of response procedures, including material handling and storage requirements, and should have access to appropriate cleanup equipment.
- (v) - Sediment and Erosion Control The BMP3 must identify activities that present a potential for significant soil erosion and measures taken to control such erosion.
- (vi) - Management of Runoff The permittee must describe existing storm water controls found at the facility and any additional measures that can be implemented to improve the prevention and control of polluted storm water. Examples include: vegetative swales, reuse of collected storm water, infiltration trenches, and detention ponds.

6. Best Management Practices & Pollution Prevention Committee:

A Best Management Practices Committee (Committee) should be established to direct or assist in the implementation of the BMP3 plan. The Committee should be comprised of individuals within the plant organization who are responsible for developing, implementing, monitoring of success, and revision of the BMP3 plan. The activities and responsibilities of the Committee should address all aspects of the facility's BMP3 plan. The scope of responsibilities of the Committee should be described in the plan.

7. Employee Training:

Employee training programs shall inform appropriate personnel of the components & goals of the BMP3 plan and shall describe employee responsibilities for implementing the plan. Training shall address topics such as good housekeeping, materials management, recordkeeping and reporting, spill prevention & response, as well as specific waste reduction practices to be employed. The plan shall identify periodic dates for such training.

8. Plan Review & Modification:

If following review by the Permit Issuing Authority, or authorized representative, the BMP3 plan is determined insufficient, he/she may notify the permittee that the BMP3 plan does not meet one or more of the minimum requirements of this Part. Upon such notification from the Permit Issuing Authority, or authorized representative, the permittee shall amend the plan and shall submit to the Permit Issuing Authority a written certification that the requested changes have been made. The permittee shall have 30 days after such notification to make the necessary changes. A longer period of time may be granted by the Permit Issuing Authority if warranted due to the complexity of the change.

The permittee shall modify the BMP3 plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to surface waters of the State or if the plan proves to be ineffective in achieving the general objectives of reducing pollutants in wastewater or storm water discharges. Modifications to the plan may be reviewed by Permit Issuing Authority in the same manner as described above.

9. Annual Site Compliance Evaluation:

Qualified personnel must conduct site compliance evaluations at appropriate intervals, but at least once a year. Compliance evaluations shall include:

- inspection of storm water drainage areas for evidence of pollutants entering the drainage system;
- evaluation of the effectiveness of BMP's;

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- observations of structural measures, sediment controls, and other storm water BMP's to ensure proper operation;
- revision of the plan as needed within 2 weeks of the inspection, and implementation of any necessary changes within 12 weeks of the inspection; and
- preparation of a report summarizing inspection results and follow-up actions, identifying the date of inspection and personnel who conducted the inspection.

The inspection report shall be signed by the plant environmental engineering staff and plant management and kept with the BMP3 plan.

10. Recordkeeping and Internal Reporting:

For at least one year after the expiration of this permit, the permittee shall record and maintain records of spills, leaks, inspections, and maintenance activities. For spills and leaks, records should include information such as the date and time of the incident, weather conditions, cause, and resulting environmental problems.

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D. Specific Conditions Related to Existing Manufacturing, Commercial, Mining, and Silviculture Wastewater Facilities or Activities

1. Existing manufacturing, commercial, mining, and silvicultural wastewater facilities or activities that discharge into surface waters shall notify the Department as soon as they know or have reason to believe:
[62-620.624(1)]
 - (a) That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels
 - (1) One hundred micrograms per liter,
 - (2) Two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter for antimony, or
 - (3) Five times the maximum concentration value reported for that pollutant in the permit application.
 - (b) That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels
 - (1) Five hundred micrograms per liter,
 - (2) One milligram per liter for antimony, or
 - (3) Ten times the maximum concentration value reported for that pollutant in the permit application.

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VIII. General Conditions

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. [62-620.610(1)]
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2)]
3. As provided in Subsection 403.087(6), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon

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presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to

- a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules. [62-620.610(9)]
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, Florida Statutes, or Rule 62-620.302, Florida Administrative Code. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]
 11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. [62-620.610(11)]
 12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. [62-620.610(12)]
 13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. [62-620.610(13)]
 14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. [62-620.610(14)]
 15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. [62-620.610(15)]
 16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, 62.420 or 62.620.450, F.A.C., as applicable, at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.300 for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. [62-620.610(16)]
 17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for

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any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:

- a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.
[62-620.610(17)]
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246, Chapter 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate.
- a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10).
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - d. Any laboratory test required by this permit for domestic wastewater facilities shall be performed by a laboratory that has been certified by the Department of Health and Rehabilitative Services (DHRS) under Chapter 10D41, F.A.C., to perform the test. In domestic wastewater facilities, on-site tests for dissolved oxygen, pH, and total chlorine residual shall be performed by a laboratory certified to test for those parameters or under the direction of an operator certified under Chapter 61E12-41, F.A.C.
 - e. Under Chapter 62-160, F.A.C., sample collection shall be performed by following the protocols outlined in "DEP Standard Operating Procedures for Laboratory Operations and Sample Collection Activities" (DEP-QA-001/92). Alternatively, sample collection may be performed by an organization who has an approved Comprehensive Quality Assurance Plan (CompQAP) on file with the Department. The CompQAP shall be approved for collection of samples from the required matrices and for the required tests.
[62-620.610(18)]
19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. [62-620.610(19)]
20. The permittee shall report to the Department any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- a. The following shall be included as information which must be reported within 24 hours under this condition:
 - (1). Any unanticipated bypass which causes any reclaimed water or the effluent to exceed any permit limitation or results in an unpermitted discharge,
 - (2). Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
 - (3). Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
 - (4). Any unauthorized discharge to surface or ground waters.

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- b. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report. [62-620.610(20)]
- 21. The permittee shall report all instances of noncompliance not reported under Conditions VIII.17 and .19 of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Condition VIII.20 of this permit. [62-620.610(21)]
- 22. Bypass Provisions.
 - a. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
 - (1). Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
 - (2). There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3). The permittee submitted notices as required under Condition VIII.22.b. of this permit.
 - b. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Condition VIII. 20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
 - c. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Condition VIII.22. a. of this permit.
 - d. A. permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provision of Condition VIII.22. a. through c. of this permit. [62-620.610(22)]
- 23. Upset Provisions
 - a. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
 - (1). An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2). The permitted facility was at the time being properly operated;
 - (3). The permittee submitted notice of the upset as required in Condition VIII. 20. of this permit; and
 - (4). The permittee complied with any remedial measures required under Condition VIII.5. of this permit.
 - b. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.
 - c. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review. [62-620.610(23)]

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Executed in Tallahassee, Florida.

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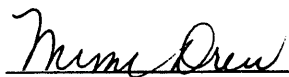
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STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL PROTECTION



Division Director
Mimi A. Drew
Division of Water Facilities

2600 Blair Stone Road
Tallahassee, FL 32399-2400
(850) 487-1855

SCHOLZ PLANT GROUNDWATER MONITORING PLAN
TABLE 1 (Summary of Analytical Results)

Well	Sample Date	Cadmium (Total) mg/l	Chromium (Total) mg/l	Chloride (Total) mg/l	Iron (Total) mg/l	Manganese (Total) mg/l	Sulfate (Total) mg/l	TDS (Total) mg/l	pH	Aluminum (Total) mg/l	Nickel (Total) mg/l	Lead (Total) mg/l	Mercury (Total) mg/l	Selenium (Total) mg/l	Gross Alpha (Total) pCi/l	Radium 226 (Total-Unfiltered)	Radium 228 (Total)	Gross Beta (Total) pCi/L	Specific Conductance umhos/cm	Turbidity NTU	Water Level ft.	Arsenic mg/l
MW-203S	10/14/1999	0.0071	<0.010	15	54	3.5	32	24	6.4	0.22	N/A	<0.0050	<0.00020	<0.010	2.1 +/- 0.6	NS	NS	NS	590	NS	48.99	
MW-203S	9/7/2000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	43.22	NS
MW-203S	8/20/2001	<0.005	<0.010	5.6	48	3.4	19	210	7	<0.20		<0.0050	<0.0002	<0.010	4.8 +/- 0.6	NS	NS	NS	440	12	50.68	<0.010
MW-203S	9/2/2002	<0.005	<0.010	4.7	48	4.4	18	200	7	<0.20	NS	<0.0050	<0.0002	<0.010	4.5 +/- 0.7	0.3 +/- 0.6	1.0 +/- 1.1	NS	440	9.5	44.98	<0.010
MW-203S	8/7/2003	<0.005	<0.010	7.6	29	2.4	20	240	6.5	<0.20	NS	<0.0050	<0.0002	<0.010	2.1 +/- 0.7	NS	NS	NS	620	29	56.63	<0.010
MW-203MD	10/14/1999	<0.0050	<0.010	6.8	2.6	1.4	37	260	6.7	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.1 +/- 0.4	NS	NS	NS	320	NS	43.53	
MW-203MD	9/7/2000	<0.0050	<0.010	4.5	1.6	0.53	38	260	6.7	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.1 +/- 0.4	NS	NS	NS	410	17	42.37	0.011
MW-203MD	8/20/2001	<0.005	<0.010	6.1	6	1.4	48	260	6.5	<0.20		<0.0050	<0.0002	<0.010	3.1 +/- 0.6	NS	NS	NS	410	31	44.75	0.044
MW-203MD	9/2/2002	<0.005	<0.010	7.5	4.1	2.8	55	320	6.5	<0.20	NS	<0.0050	<0.0002	<0.010	6.0 +/- 0.9	1.7 +/- 0.9	1.5 +/- 1.1	NS	410	27	44.57	0.019
MW-203MD	8/7/2003	<0.005	<0.010	7.4	5.4	1.8	38	360	10.19	<0.20	NS	<0.0050	<0.0002	<0.010	1.5 +/- 0.6	NS	NS	NS	740	11	52.94	<0.010
MW-204S	10/14/1999	<0.0050	<0.010	12	11	1.6	81	340	6.4	<0.20	<0.040	<0.0050	<0.00020	<0.010	2.0 +/- 0.7	NS	NS	NS	350	NS	98.8	
MW-204S	9/7/2000	<0.0050	<0.010	7.2	13	1.6	67	340	6.4	<0.20	<0.040	<0.0050	<0.00020	<0.010	1.9 +/- 0.8	NS	NS	NS	560	10	99.15	<0.010
MW-204S	8/20/2001	<0.0050	<0.010	9.3	10	1.4	72	360	6.5	<0.20		<0.0050	<0.0002	<0.010	2.7 +/- 0.7				550	17	98.81	<0.010
MW-204S	9/2/2002	<0.0050	<0.010	8.9	19	1.7	<5.0	320	6.5	<0.19	NS	<0.0050	<0.0002	<0.010	4.1 +/- 1.3	0.4 +/- 0.5	0.5 +/- 0.7	NS	590	5.4	98.37	<0.010
MW-204S	8/7/2003	<0.0050	<0.010	7.3	9.2	1	28	310	8.4	<0.20	NS	<0.0050	<0.0002	<0.010	2.0 +/- 0.6	NS	NS	NS	660	12	99.49	<0.010
MW-204MD	10/14/1999	<0.0050	<0.010	4.6	0.11	<0.010	<5.0	120	7.5	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.6 +/- 0.3	NS	NS	NS	250	NS	45.84	
MW-204MD	9/7/2000	<0.0050	<0.010	3.5	0.49	0.018	<5.0	130	7.3	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.0 +/- 0.3	NS	NS	NS	250	24	44.75	<0.010
MW-204MD	8/20/2001	<0.0050	0.011	4.3	0.89	0.034	5.1	130	7.3	1.6		<0.0050	<0.0002	<0.010	1.7 +/- 0.4	NS	NS	NS	250	29	47.22	<0.010
MW-204MD	9/2/2002	<0.0050	<0.010	4.2	1.0	0.037	54	83	7.3	1.6	NS	<0.0050	<0.0002	<0.010	2.5 +/- 0.9	NS	NS	NS	250	27	44.81	<0.010
MW-204MD	8/7/2003	<0.0050	<0.010	3.6	0.12	<0.010	<5.0	160	7.9	<0.20	NS	<0.0050	<0.0002	<0.010	0.7 +/- 0.4	NS	NS	NS	320	15	53.03	<0.010
MW-205S	10/14/1999	<0.0050	<0.010	5.1	0.67	<0.010	<5.0	23	5.4	0.33	<0.040	<0.0050	<0.00020	<0.010	0.5 +/- 0.4	NS	NS	NS	4	NS	118.3	
MW-205S	9/7/2000	<0.0050	<0.010	3.2	<0.050	<0.010	<5.0	9	5.4	<0.20	<0.040	<0.0050	<0.00020	<0.010	1.5 +/- 0.4	NS	NS	NS	34	6.6	116.12	<0.010
MW-205S	8/20/2001	<0.0050	<0.010	3.9	<0.050	<0.010	<5.0	10	6.5	<0.20		<0.0050	<0.00020	<0.010	0.1 +/- 0.2	NS	NS	NS	50	9	123.13	<0.010
MW-205S	9/2/2002	<0.0050	<0.010	3.8	<0.050	<0.010	<5.0	76	6.5	<0.20	NS	<0.0050	<0.00020	<0.010	0.8 +/- 0.6	NS	NS	NS	50	4	116.52	<0.010
MW-205S	8/7/2003	<0.0050	<0.010	4.4	<0.050	<0.010	<5.0	30	7.1	<0.20	NS	<0.0050	<0.00020	<0.010	0.4 +/- 0.5	NS	NS	NS	40	8.1	127.19	<0.010
MW-205MD	10/14/1999	<0.0050	<0.010	4.0	0.14	<0.010	<5.0	140	9	0.21	<0.040	<0.0050	<0.00020	<0.010	0.4 +/- 0.3	NS	NS	NS	200	NA	50.99	
MW-205MD	9/7/2000	<0.0050	<0.010	3.5	<0.050	<0.010	<5.0	140	7.1	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.0 +/- 0.3	NS	NS	NS	220	31	48.96	<0.010
MW-205MD	8/20/2001	<0.0050	<0.010	3.4	<0.050	<0.010	<5.0	76	9.3	<0.20		<0.0050	<0.00020	<0.010	1.4 +/- 0.4	NS	NS	NS	350	16	43.17	<0.010
MW-205MD	9/2/2002	<0.0050	<0.010	4.2	0.32	<0.010	<5.0	17	9.6	<0.20	NS	<0.0050	<0.00020	<0.010	0.0 +/- 0.4	NS	NS	NS	230	1.2	49.2	<0.010
MW-205MD	8/7/2003	<0.0050	<0.010	3.3	<0.050	<0.010	<5.0	150	9.4	<0.20	NS	<0.0050	<0.00020	<0.010	1.2 +/- 0.6	NS	NS	NS	270	14	58.21	<0.010
MW210S	10/14/1999	<0.0050	<0.010	5	1.2	0.18	55	440	7.3	0.09	<0.040	<0.0050	<0.00020	<0.010	3.6 +/- 0.7	NS	NS	NS	650	NA	84.58	
MW-210S	9/7/2000	<0.0050	<0.010	9.7	0.67	1.2	110	680	6.7	<2.0	<0.040	<0.0050	<0.00020	<0.010	1.9 +/- 1.1	NS	NS	NS	1000	12	83.52	<0.010
MW-210S	8/20/2001	<0.0050	<0.010	5.7	0.28	0.022	5200	530	6.9	0.33		<0.0050	<0.00020	<0.010	3.8 +/- 0.9	NS	NS	NS	1000	10	84.18	<0.010
MW-210S	9/2/2002	<0.0050	<0.010	4	1.9	0.32	39	370	7.0	0.69	NS	<0.0050	<0.00020	<0.010	8.0 +/- 1.1	<0.9 +/- 0.5	<0.0 +/- 0.08	NS	1100	2.3	84.06	<0.010
MW-210S	8/7/2003	<0.0050	<0.010	1.1	0.067	0.34	9	350	6.9	<0.20	NS	<0.0050	<0.00020	<0.010	1.4 +/- 0.8	NS	NS	NS	680	8.9	85.11	<0.010
MW-210MD	10/14/1999	<0.0050	<0.010	22	70	1.9	1200	1900	6.7	<0.20	0.14	<0.0050	<0.00020	<0.010	3.7 +/- 0.6	NS	NS	NS	1800	NS	43.28	
MW-210MD	9/7/2000	<0.0050	<0.010	18	58	1.6	1300	1800	6.2	<0.20	0.14	<0.0074	<0.00020	<0.010	0.0 +/- 2.4	NS	NS	NS	1900	27	42.44	<0.010
MW-210MD	8/20/2001	<0.0050	<0.010	18	60	1.9	1200	2000	6.2	<0.20	NS	<0.0050	<0.00020	<0.010	3.1 +/- 2.4	NS	NS	NS	1900	7	44.64	<0.010
MW-210MD	9/2/2002	<0.0050	<0.010	19	72	2.0	960	2100	6.2	<0.20	NS	<0.0050	<0.00020	<0.010	3.8 +/- 2.7	<0.4 +/- 0.5	<0.0 +/- 0.07	NS	1900	3.8	42.45	<0.010
MW-210MD	8/7/2003	<0.0050	<0.010	15	37	1.3	830	1400	6.4	<0.20	NS	<0.0050	<0.00020	<0.010	5.3 +/- 3.3	<0.5 +/- 0.5	NS	NS	2200	23	52.21	<0.010
MW-212MD	10/14/1999	<0.0050	<0.010	5.7	<5	<0.010	28	260	7.4	<20	<0.040	<0.0050	<0.00020	<0.010	0.0 +/- 0.3	NS	NS	NS	340	NS	45.9	
MW-212MD	9/7/2000	<0.0050	<0.010	4.4	0.064	<0.010	25	210	7.3	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.0 +/- 0.3	NS	NS	NS	340	8.8	45.07	<0.010
MW-212MD	8/1/2001	<0.0050	<0.010	4.9	0.58	<0.010	24	190	7.3	<0.20	NS	<0.0050	<0.00020	<0.010	1.2 +/- 0.4	NS	NS	NS	340	15	46.84	<0.010
MW-212MD	9/2/2002	<0.0050	<0.010	4.6	0.12	0.014	22	180	7.3	<0.20	NS	<0.0050	<0.00020	<0.010	1.1 +/- 0.5	NS	NS	NS	340	10	45.05	<0.010
MW-212MD	8/7/2003	<0.0050	<0.010	5.4	<0.050	<0.010	34	310	7.4	<0.20	NS	<0.0050	<0.00020	<0.010	0.5 +/- 0.7	NS	NS	NS	560	8.3	53.23	<0.010
WSW-2	3/4/1999	<0.0050	<0.010	17	<0.050	<0.010	6.8	19	7.6	<0.20	<0.040	<0.0050	<0.00020	<0.010	3.8 +/- 2.2	NS	NS	<4.0 +/- .99	240	1.8	NA	
WSW-2	9/7/2000	<0.0050	<0.010	16	<0.050	<0.010	7.4	160	6.2	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.4 +/- 0.4	NS	NS	NS	410	5.2	NA	<0.010
WSW-2	8/20/2001	<0.0050	<0.010	32	<0.050	<0.010	5	170	6.2	0.36	NS	<0.0050	<0.00020	<0.010	1.0 +/- 0.4	NS	NS	NS	410	3.9	NA	<0.010
WSW-2	9/2/2002	<0.0050	<0.010	15	<0.050	<0.010	5.1	140	7.1	<0.20	NS	<0.0050	<0.00020	<0.010	3.0 +/- 0.6	0.0 +/- 0.4	0.2 +/- 0.7	NS	400	2.5	NA	<0.010
WSW-2	8/7/2003	<0.0050	<0.010	18	<0.050	<0.010	<5.0	180	7.0	<0.20	NS	<0.0050	<0.00020	<0.010	0.5 +/- 0.6	0.5 +/- 0.5	NS	NS	400	1.6	NA	<0.010

SCHOLZ PLANT GROUNDWATER MONITORING PLAN
TABLE 2 (Comparison between background and downgradient wells)
Unit 1- Surficial Aquifer

Well	Sample Date	Cadmium (Total) mg/l	Chromium (Total) mg/l	Chloride (Total) mg/l	Iron (Total) mg/l	Manganese (Total) mg/l	Sulfate (Total) mg/l	TDS (Total) mg/l	pH	Aluminum (Total) mg/l	Nickel (Total) mg/l	Lead (Total) mg/l	Mercury (Total) mg/l	Selenium (Total) mg/l	Gross Alpha (Total) pCi/L	Radium 226 (Total-Unfiltered)	Radium 228 (Total)	Gross Beta (Total) pCi/L	Specific Conductance umhos/cm	Turbidity NTU	Water Level ft.	Arsenic mg/l
MW-203S	10/14/1999	0.0071	<0.010	15	54	3.5	32	24	6.4	0.22	N/A	<0.0050	<0.00020	<0.010	2.1+/-0.6	NS	NS	NS	590	NS	48.99	
MW-203S	9/7/2000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	43.22	NS
MW-203S	8/20/2001	<0.005	<0.010	5.6	48	3.4	19	210	7	<0.20		<0.0050	<0.0002	<0.010	4.3+/-0.6	NS	NS	NS	440	12	50.68	<0.010
MW-203S	9/2/2002	<0.005	<0.010	4.7	48	4.4	18	200	7	<0.20	NS	<0.0050	<0.0002	<0.010	4.5+/-0.7	0.3+/-0.6	1.0+/-1.1	NS	440	9.5	44.98	<0.010
MW-203S	8/7/2003	<0.005	<0.010	7.6	29	2.4	20	240	6.5	<0.20	NS	<0.0050	<0.0002	<0.010	2.1+/-0.7	NS	NS	NS	620	29	56.63	<0.010
MW-204S	10/14/1999	<0.0050	<0.010	12	11	1.6	81	340	6.4	<0.20	<0.040	<0.0050	<0.00020	<0.010	2.0+/-0.7	NS	NS	NS	350	NS	98.8	
MW-204S	9/7/2000	<0.0050	<0.010	7.2	13	1.6	67	340	6.4	<0.20	<0.040	<0.0050	<0.00020	<0.010	1.9+/-0.8	NS	NS	NS	560	10	99.15	<0.010
MW-204S	8/20/2001	<0.0050	<0.010	9.3	10	1.4	72	360	6.5	<0.20		<0.0050	<0.0002	<0.010	2.7+/-0.7			NS	550	17	98.81	<0.010
MW-204S	9/2/2002	<0.0050	<0.010	8.9	19	1.7	<5.0	320	6.5	<0.19	NS	<0.0050	<0.0002	<0.010	4.1+/-1.3	0.4+/-0.5	0.5+/-0.7	NS	590	5.4	98.37	<0.010
MW-204S	8/7/2003	<0.0050	<0.010	7.3	9.2	1	28	310	8.4	<0.20	NS	<0.0050	<0.0002	<0.010	2.0+/-0.6	NS	NS	NS	660	12	99.49	<0.010
MW-205S	10/14/1999	<0.0050	<0.010	5.1	0.67	<0.010	<5.0	23	5.4	0.33	<0.040	<0.0050	<0.00020	<0.010	0.5+/-0.4	NS	NS	NS	4	NS	118.3	
MW-205S	9/7/2000	<0.0050	<0.010	3.2	<0.050	<0.010	<5.0	9	5.4	<0.20	<0.040	<0.0050	<0.00020	<0.010	1.3+/-0.4	NS	NS	NS	34	6.6	116.12	<0.010
MW-205S	8/20/2001	<0.0050	<0.010	3.9	<0.050	<0.010	<5.0	10	6.5	<0.20		<0.0050	<0.00020	<0.010	0.4+/-0.2	NS	NS	NS	50	9	123.13	<0.010
MW-205S	9/2/2002	<0.0050	<0.010	3.8	<0.050	<0.010	<5.0	76	6.5	<0.20	NS	<0.0050	<0.00020	<0.010	0.8+/-0.6	NS	NS	NS	50	4	116.52	<0.010
MW-205S	8/7/2003	<0.0050	<0.010	4.4	<0.050	<0.010	<5.0	30	7.1	<0.20	NS	<0.0050	<0.00020	<0.010	0.4+/-0.5	NS	NS	NS	40	8.1	127.19	<0.010
MW210S	10/14/1999	<0.0050	<0.010	5	1.2	0.18	55	440	7.3	0.09	<0.040	<0.0050	<0.00020	<0.010	3.8+/-0.7	NS	NS	NS	650	NA	84.58	
MW-210S	9/7/2000	<0.0050	<0.010	9.7	0.67	1.2	110	680	6.7	<2.0	<0.040	<0.0050	<0.00020	<0.010	1.9+/-1.1	NS	NS	NS	1000	12	83.52	<0.010
MW-210S	8/20/2001	<0.0050	<0.010	5.7	0.28	0.022	5200	530	6.9	0.33		<0.0050	<0.00020	<0.010	3.8+/-0.9	NS	NS	NS	1000	10	84.18	<0.010
MW-210S	9/2/2002	<0.0050	<0.010	4	1.9	0.32	39	370	7.0	0.69	NS	<0.0050	<0.00020	<0.010	8.0+/-1.1	<0.9+/-0.5	<0.0+/-0.08	NS	1100	2.3	84.06	<0.010
MW-210S	8/7/2003	<0.0050	<0.010	1.1	0.067	0.34	9	350	6.9	<0.20	NS	<0.0050	<0.00020	<0.010	1.4+/-0.8	NS	NS	NS	680	8.9	85.11	<0.010

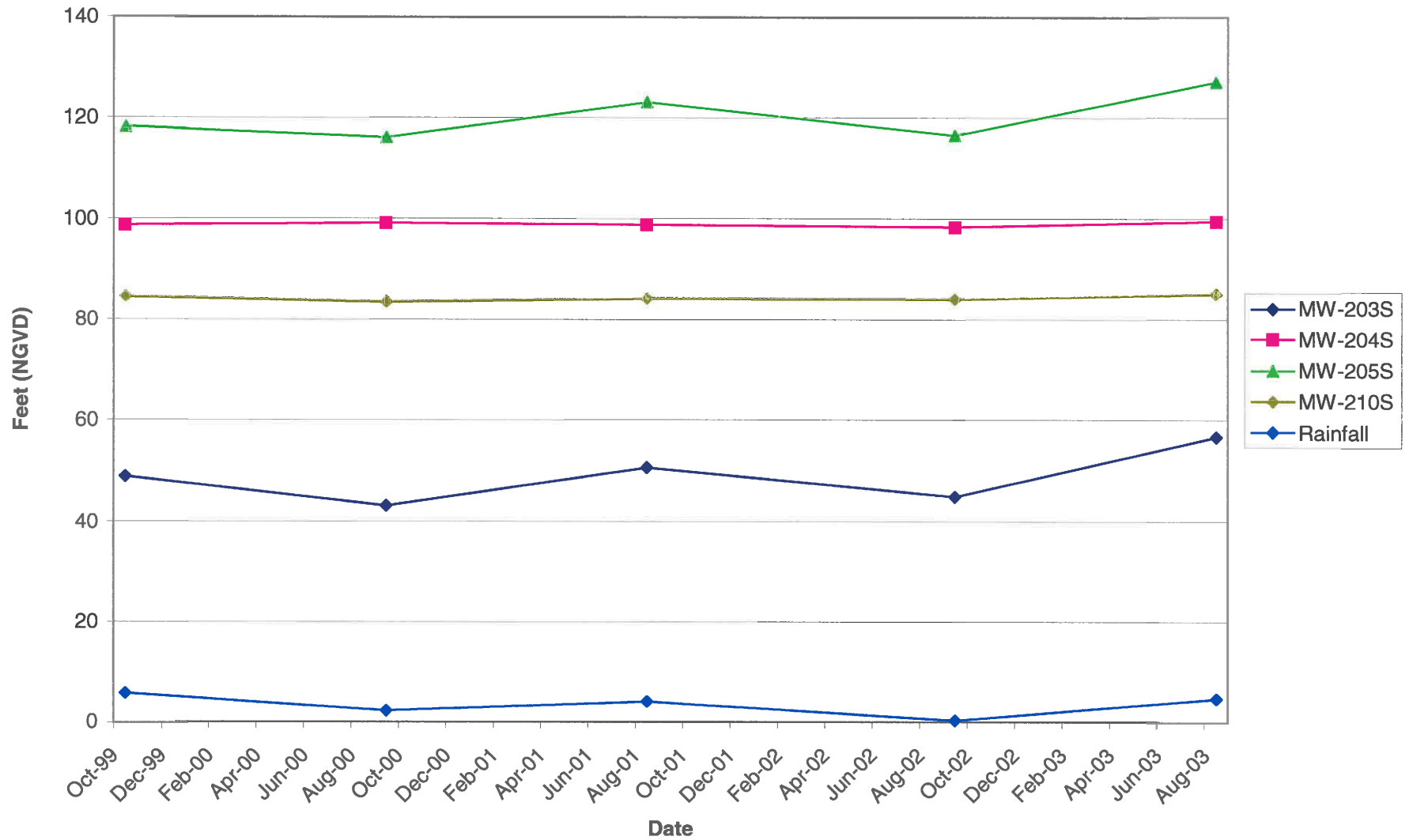
NA = Not Available
NS = Not Sampled

SCHOLZ PLANT GROUNDWATER MONITORING PLAN
TABLE 3 (Comparison between background and downgradient wells)
Unit 2: Floridan Aquifer

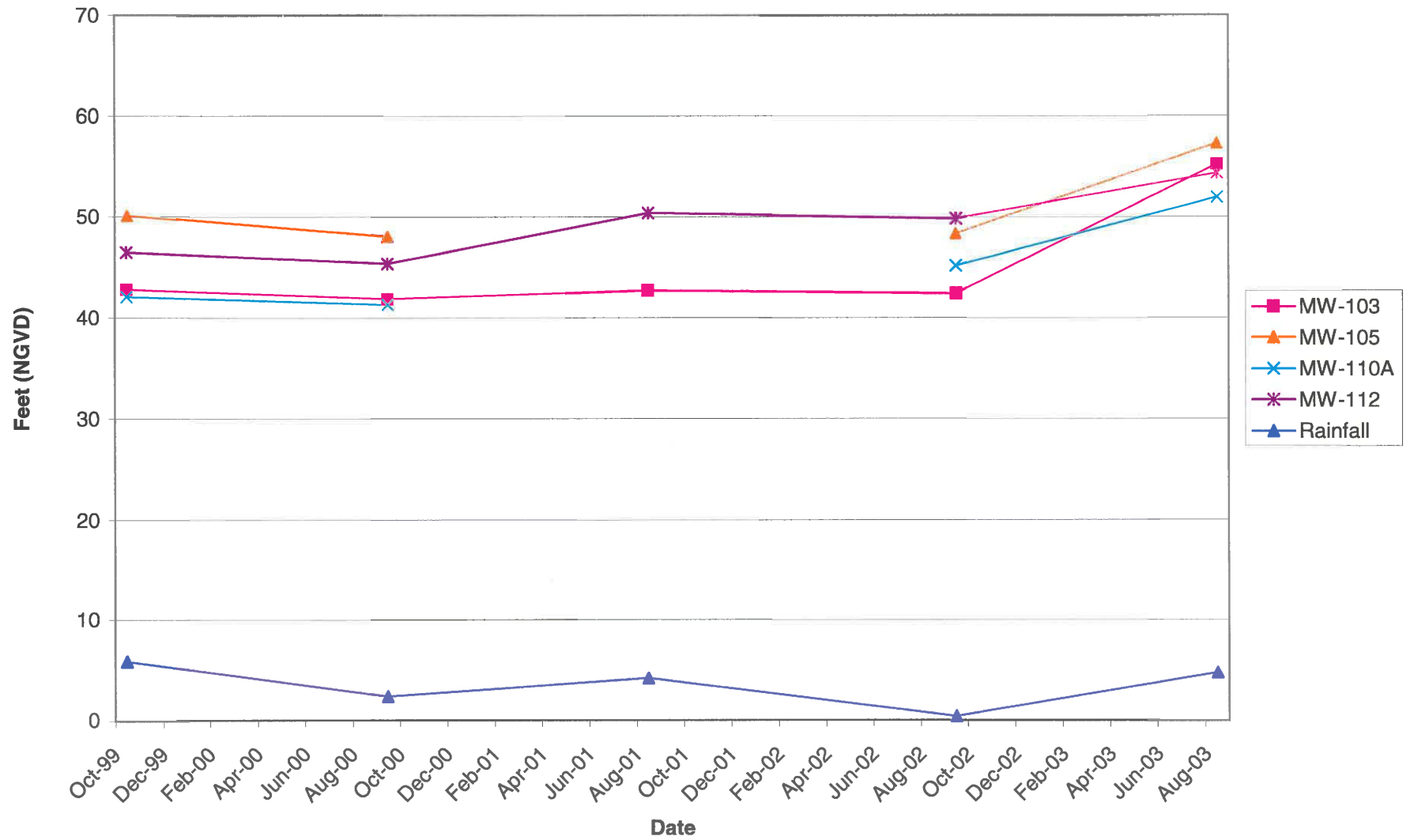
Well	Sample Date	Cadmium (Total) mg/l	Chromium (Total) mg/l	Chloride (Total) mg/l	Iron (Total) mg/l	Manganese (Total) mg/l	Sulfate (Total) mg/l	TDS (Total) mg/l	pH	Aluminum (Total) mg/l	Nickel (Total) mg/l	Lead (Total) mg/l	Mercury (Total) mg/l	Selenium (Total) mg/l	Gross Alpha (Total) pCi/l	Radium 226 (Total-Untreated)	Radium 228 (Total)	Gross Beta (Total) pCi/L	Specific Conductance umhos/cm	Turbidity NTU	Water Level ft.	Arsenic mg/l
MW-203MD	10/14/1999	<0.0050	<0.010	6.8	2.6	1.4	37	260	6.7	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.7+/-0.4	NS	NS	NS	320	NS	43.53	
MW-203MD	9/7/2000	<0.0050	<0.010	4.5	1.6	0.53	38	260	6.7	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.9+/-0.4	NS	NS	NS	410	17	42.37	0.011
MW-203MD	8/20/2001	<0.0050	<0.010	6.1	6	1.4	48	260	6.5	<0.20		<0.0050	<0.0002	<0.010	3.1+/-0.6	NS	NS		410	31	44.75	0.044
MW-203MD	9/2/2002	<0.0050	<0.010	7.5	4.1	2.8	55	320	6.5	<0.20	NS	<0.0050	<0.0002	<0.010	6.0+/-0.9	1.7+/-0.9	1.5+/-1.1	NS	410	27	44.57	0.019
MW-203MD	8/7/2003	<0.0050	<0.010	7.4	5.4	1.8	38	360	10.19	<0.20	NS	<0.0050	<0.0002	<0.010	1.5+/-0.6	NS	NS	NS	740	11	52.94	<0.010
MW-204MD	10/14/1999	<0.0050	<0.010	4.6	0.11	<0.010	<5.0	120	7.5	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.5+/-0.3	NS	NS	NS	250	NS	45.84	
MW-204MD	9/7/2000	<0.0050	<0.010	3.5	0.49	0.018	<5.0	130	7.3	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.0+/-0.3	NS	NS	NS	250	24	44.75	<0.010
MW-204MD	8/20/2001	<0.0050	0.011	4.3	0.89	0.034	5.1	130	7.3	1.6		<0.0050	<0.0002	<0.010	1.7+/-0.4	NS	NS	NS	250	29	47.22	<0.010
MW-204MD	9/2/2002	<0.0050	<0.010	4.2	1.0	0.037	54	83	7.3	1.6	NS	<0.0050	<0.0002	<0.010	2.5+/-0.9	NS	NS	NS	250	27	44.81	<0.010
MW-204MD	8/7/2003	<0.0050	<0.010	3.6	0.12	<0.010	<5.0	160	7.9	<0.20	NS	<0.0050	<0.0002	<0.010	0.7+/-0.4	NS	NS	NS	320	15	53.03	<0.010
MW-205MD	10/14/1999	<0.0050	<0.010	4.0	0.14	<0.010	<5.0	140	9	0.21	<0.040	<0.0050	<0.00020	<0.010	0.4+/-0.3	NS	NS	NS	200	NA	50.99	
MW-205MD	9/7/2000	<0.0050	<0.010	3.5	<0.050	<0.010	<5.0	140	7.1	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.0+/-0.3	NS	NS	NS	220	31	48.96	<0.010
MW-205MD	8/20/2001	<0.0050	<0.010	3.4	<0.050	<0.010	<5.0	76	9.3	<0.20		<0.0050	<0.00020	<0.010	1.4+/-0.4	NS	NS	NS	350	16	43.17	<0.010
MW-205MD	9/2/2002	<0.0050	<0.010	4.2	0.32	<0.010	<5.0	17	9.6	<0.20	NS	<0.0050	<0.00020	<0.010	0.0+/-0.4	NS	NS	NS	230	1.2	49.2	<0.010
MW-205MD	8/7/2003	<0.0050	<0.010	3.3	<0.050	<0.010	<5.0	150	9.4	<0.20	NS	<0.0050	<0.00020	<0.010	1.2+/-0.6	NS	NS	NS	270	14	58.21	<0.010
MW-210MD	10/14/1999	<0.0050	<0.010	22	70	1.9	1200	1800	6.7	<0.20	0.14	<0.0050	<0.00020	<0.010	3.7+/-0.6	NS	NS	NS	1800	NS	43.28	
MW-210MD	9/7/2000	<0.0050	<0.010	18	58	1.6	1300	1800	6.2	<0.20	0.14	0.0074	<0.00020	<0.010	0.0+/-2.4	NS	NS	NS	1900	27	42.44	<0.010
MW-210MD	8/20/2001	<0.0050	<0.010	18	60	1.9	1200	2000	6.2	<0.20	NS	<0.0050	<0.00020	<0.010	3.1+/-2.4	NS	NS	NS	1900	7	44.64	<0.010
MW-210MD	9/2/2002	<0.0050	<0.010	19	72	2.0	960	2100	6.2	<0.20	NS	<0.0050	<0.00020	<0.010	3.8+/-2.7	<0.4+/-0.5	<0.0+/-0.07	NS	1900	3.8	42.45	<0.010
MW-210MD	8/7/2003	<0.0050	<0.010	15	37	1.3	830	1400	6.4	<0.20	NS	<0.0050	<0.00020	<0.010	5.3+/-3.3	<0.5+/-0.5	NS	NS	2200	23	52.21	<0.010
MW-212MD	10/14/1999	<0.0050	<0.010	5.7	<5	<0.010	28	260	7.4	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.0+/-0.3	NS	NS	NS	340	NS	45.9	
MW-212MD	9/7/2000	<0.0050	<0.010	4.4	0.064	<0.010	25	210	7.3	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.0+/-0.3	NS	NS	NS	340	8.8	45.07	<0.010
MW-212MD	8/1/2001	<0.0050	<0.010	4.9	0.58	<0.010	24	190	7.3	<0.20	NS	<0.0050	<0.00020	<0.010	1.2+/-0.4	NS	NS	NS	340	15	46.84	<0.010
MW-212MD	9/2/2002	<0.0050	<0.010	4.6	0.12	0.014	22	180	7.3	<0.20	NS	<0.0050	<0.00020	<0.010	1.1+/-0.5	NS	NS	NS	340	10	45.05	<0.010
MW-212MD	8/7/2003	<0.0050	<0.010	5.4	<0.050	<0.010	34	310	7.4	<0.20	NS	<0.0050	<0.00020	<0.010	0.5+/-0.7	NS	NS	NS	560	8.3	53.23	<0.010
WSW-2	3/4/1999	<0.0050	<0.010	17	<0.050	<0.010	6.8	19	7.6	<0.20	<0.040	<0.0050	<0.00020	<0.010	3.8+/-2.2	NS	NS	<4.0+/-99	240	1.8	NA	
WSW-2	9/7/2000	<0.0050	<0.010	16	<0.050	<0.010	7.4	160	6.2	<0.20	<0.040	<0.0050	<0.00020	<0.010	0.4+/-0.4	NS	NS	NS	410	5.2	NA	<0.010
WSW-2	8/20/2001	<0.0050	<0.010	32	<0.050	<0.010	5	170	6.2	0.36	NS	<0.0050	<0.00020	<0.010	1.0+/-0.4	NS	NS	NS	410	3.9	NA	<0.010
WSW-2	9/2/2002	<0.0050	<0.010	15	<0.050	<0.010	5.1	140	7.1	<0.20	NS	<0.0050	<0.00020	<0.010	3.0+/-0.6	0.0+/-0.4	0.2+/-0.7	NS	400	2.5	NA	<0.010
WSW-2	8/7/2003	<0.0050	<0.010	18	<0.050	<0.010	<5.0	180	7.0	<0.20	NS	<0.0050	<0.00020	<0.010	0.5+/-0.6	0.5+/-0.5	NS	NS	400	1.6	NA	<0.010

NA = Not Available
NS = Not Sampled

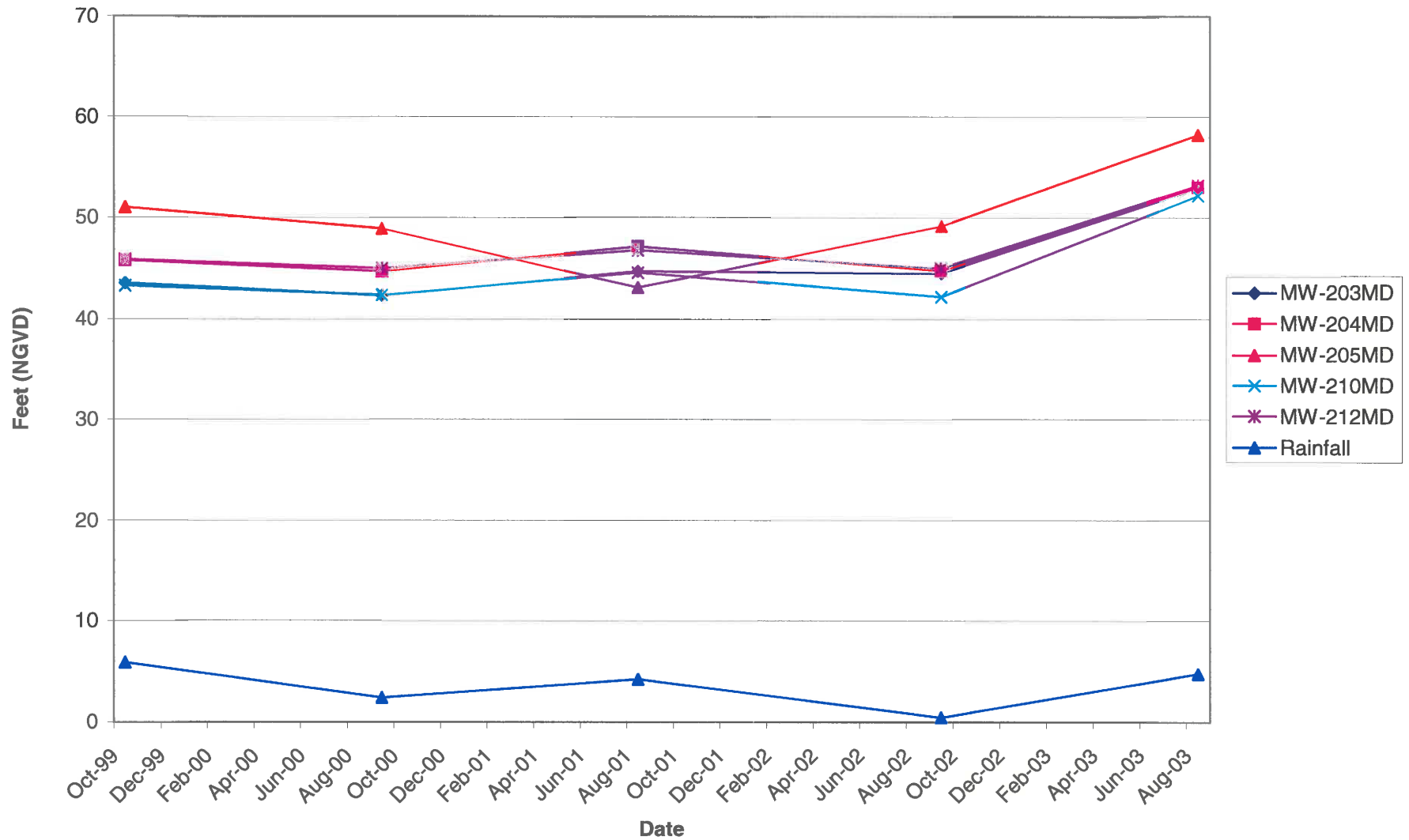
Hydrograph of Unit 1 Water Levels Versus Rainfall



Hydrograph of Unit 2 Water Levels Versus Rainfall



Hydrograph of Unit 2 Water Levels Versus Rainfall



Scholz Plant Water Level Summary

Table 4

		Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water
Monitor	TOC	Below TOC	Elevation	Below TOC	Elevation	Below TOC	Elevation	Below TOC	Elevation	Below TOC	Elevation
Well	Elevation	10/14/99	10/14/99	9/7/00	9/7/00	8/20/01	8/20/01	9/2/02	9/2/02	8/7/03	8/7/03
MW-203S	62.78	13.79	48.99	19.56	43.22	12.1	50.68	17.8	44.98	6.15	56.63
MW-203MD	63.13	19.6	43.53	20.76	42.37	18.38	44.75	18.56	44.57	10.19	52.94
MW-204S	107.89	9.09	98.8	8.74	99.15	9.08	98.81	9.52	98.37	8.4	99.49
MW-204MD	108.01	62.17	45.84	63.26	44.75	60.79	47.22	63.2	44.81	54.98	53.03
MW-205S	134.25	15.95	118.3	18.13	116.12	11.12	123.13	17.73	116.52	7.06	127.19
MW-205MD	135.06	84.07	50.99	86.1	48.96	91.89	43.17	85.86	49.2	76.85	58.21
MW-210S	93.5	8.92	84.58	9.98	83.52	9.32	84.18	9.44	84.06	8.39	85.11
MW-210MD	94.42	51.14	43.28	51.98	42.44	49.78	44.64	51.97	42.45	42.21	52.21
MW-212MD	75.08	29.18	45.9	29.93	45.07	28.24	46.84	29.95	45.05	21.85	53.23
PZ-103	59.7	16.87	42.83	17.82	41.88	16.95	42.75	17.24	42.46	4.43	55.27
PZ-105	133.2	83.03	50.17	85.12	48.08	NS	NS	84.82	48.38	75.85	57.35
PZ-110A	93.2	51.08	42.12	51.85	41.35	NS	NS	48.01	45.19	41.18	52.02
PZ-112	75.2	28.67	46.53	29.82	45.38	24.82	50.38	25.32	49.88	20.81	54.39

2000 Precipitation Data- Marianna, Jackson County, FL

Days	January	February	March	April	May	June	July	August	September	October	November	December
1								0.18	0.37			
2				0.03				0.40	0.89			
3				0.06				0.31	0.01			
4									0.04			
5						0.08			0.08			
6						0.01			0.35	0.40		
7								0.12	0.11	0.01		
8									0.07			
9								0.06	0.03		0.44	0.33
10									0.03		0.24	
11							0.20		0.04			
12							0.03		0.03			
13						0.01	0.02		0.01		0.02	
14							0.07		0.02		0.47	
15				0.01		0.15	0.67					
16						0.26	0.23				0.03	0.07
17						0.07	0.01		0.08		0.06	
18						0.01			0.17			
19								0.17			0.09	
20									0.02		1.01	0.14
21						0.01			0.05			0.03
22					0.12	0.01	0.21		0.79			0.07
23						0.21			0.54			
24				2.80			0.52		0.15		0.69	
25							0.01	0.05	0.04		0.43	
26			0.20			0.01	0.01	0.04	0.03			
27			0.02			0.02			0.01			0.20
28				0.01		0.11						1.46
29			0.33			0.42	0.08					0.08
30			0.12									
31			0.00				0.06					
Total	0.00	0.00	0.67	2.91	0.12	1.38	2.12	1.33	3.96	0.41	3.48	2.38

2001 Precipitation Data- Marianna, Jackson County, FL

Days	January	February	March	April	May	June	July	August	September	October	November	December
1		0.07	0.79			0.05		0.17	0.44			
2		0.01					0.01	0.13	0.27			
3			1.41	0.06			0.82		0.20			
4			0.18	0.74			0.01		1.19			
5								0.53				
6							0.17	1.42		0.84		
7	0.01											
8	0.13					0.25		0.08				
9			0.50			1.50						
10		0.32	0.01			0.01	1.41	1.32				
11	0.34					3.19		0.26		0.34		
12			2.06			0.41	0.07		0.01			
13			0.04			0.00	0.45	0.38				
14			0.24	0.25		0.38				1.30		
15	0.01		1.06	0.17	0.01					0.01		
16				0.01		0.27		0.05				
17		0.08	0.29									0.22
18			0.26			0.41						
19			0.88			0.03		0.01				
20			1.50				0.73					
21		0.02			0.01							
22		0.11				0.50						
23					0.01	0.03	0.12				2.10	0.10
24							1.01		0.89			
25		0.04	0.13	0.01			1.92				0.11	
26							0.37					
27						0.06	0.52					
28		0.06	0.38				0.01	0.02				
29			0.65		0.02		0.32					
30	0.46		0.20		0.19	0.01	0.79				0.27	
31	0.06				0.22		0.07	0.01				
Total	1.01	0.71	10.58	1.24	0.46	7.10	8.80	4.38	3.00	2.49	2.48	0.32

2002 Precipitation Data- Marianna, Jackson County, FL

Days	January	February	March	April	May	June	July	August	September	October	November	December
1	0.80		2.00					0.80				
2	0.06		1.30									
3				1.20		0.20						
4						0.30						
5	0.35	0.20				TR					2.50	
6		1.25										
7						0.20						
8						0.50						
9												
10				0.60								0.50
11				1.00							5.00	
12			0.85									1.60
13				0.20			0.50		0.80			
14	0.50				1.25				6.80	1.30		
15									7.00	0.40	1.50	
16								TR			0.20	
17					0.10	0.70		0.60				
18												
19								0.50				0.50
20		1.30					0.75					
21							3.20					
22							NR					
23												0.20
24	1.30						1.30		1.50			4.30
25									0.10			
26			1.00				1.80		1.20	0.50		
27								2.20				
28					0.55					0.50		
29										2.70		
30					0.30		0.50					
31			1.25									
Total	3.01	2.75	6.40	3.00	2.20	1.90	8.05	4.10	17.40	5.40	9.20	7.10

2003 Precipitation Data- Marianna, Jackson County, FL												
Days	January	February	March	April	May	June	July	August	September	October	November	December
1			0.50				1.70					
2												
3			0.50						1.00			
4		0.25										
5								0.30				
6		2.50	1.60			2.30		0.30				
7				1.80		0.80						
8		BD	2.10	2.50								
9		0.50		0.10								
10												
11												
12								0.70				
13												
14												
15		1.20				0.50						
16						0.40						
17												
18					2.50	0.80						
19			2.15									
20						0.83						
21		1.80										
22					0.80							
23							1.00					
24												
25				1.20								
26		3.75										
27												
28		0.40										
29			0.45			0.80						
30								0.30				
31												
Total	0.00	10.40	7.30	5.60	3.30	6.43	2.70	1.60				

Rainfall Amounts

30 Year Normal Rainfall Totals

Month	Year	Pensacola	Milton	Crestview	Niceville	DeFuniak Springs	Chipley	Panama City	Wewa-hitchka	Apalachicola	Quincy	Tallahassee
Jan	1961-90	4.65	5.42	5.86	4.94	5.22	5.36	5.34	5.48	3.89	4.63	4.76
Feb	1961-90	5.35	5.63	5.24	5.72	5.57	5.36	5.13	5.22	3.78	4.82	5.52
Mar	1961-90	5.66	6.63	7.35	5.72	5.93	5.48	5.68	6.07	4.25	5.95	6.21
Apr	1961-90	3.4	4.08	4.44	3.68	3.85	3.66	4.14	3.42	2.72	3.74	3.73
May	1961-90	4.19	4.67	5.35	3.91	4.51	3.98	4.06	3.74	2.67	4.91	4.75
Jun	1961-90	6.39	7.55	8.13	6	6.54	5.53	6.55	7.07	4.55	5.25	6.93
Jul	1961-90	7.42	7.68	6.44	8.41	8.07	6.92	9.53	9.62	7.35	7.36	8.81
Aug	1961-90	7.32	7.1	6.48	7.09	7.35	5.6	7.61	9.76	7.5	5.44	7.52
Sep	1961-90	5.42	5.55	4.58	5.91	5.54	4.08	5.61	6.25	7.53	4.19	5.58
Oct	1961-90	4.13	3.64	3.24	4.25	3.74	3.01	3.34	3.99	3.4	2.75	2.91
Nov	1961-90	3.54	4.45	4.03	4.04	4.07	3.54	4.46	3.53	3.19	3.22	3.86
Dec	1961-90	4.29	5.11	4.28	4.82	5.05	4.29	4.36	5.02	4.08	3.87	5.03
Total	1961-90	61.76	67.51	65.42	64.49	65.44	56.81	65.81	69.17	54.91	56.13	65.61

2002 Rainfall

Month	Year	Pensacola	Milton	Crestview	Niceville	DeFuniak Springs	Chipley	Panama City	Wewa-hitchka	Apalachicola	Quincy	Tallahassee
Jan	2002	4.06	4.08	2.91	3.35	2.71	3.37	2.69	--	8.01	2.25	6.22
Feb	2002	3.03	2.3	3.28	3.35	2.76	3.12	1.36	2.32	0.82	--	1.39
Mar	2002	4.54	4.12	4.65	5.69	4.64	4.15	4.41	8.66	4.97	--	10.56
Apr	2002	2.14	3.45	4.04	6.67	8.27	9.27	5.3	4.93	0.7	2.07	0.47
May	2002	3.02	--	2.07	0.45	1.21	2.5	0.44	--	2.41	1.79	1.75
Jun	2002	2.86	4.6	4.58	5.63	4.35	5.71	8.02	2	14.17	4.05	3.13
Jul	2002	9.49	7.59	6.44	9.76	9.54	5.46	3.01	4.91	5.75	5.97	6.47
Aug	2002	6.31	3.16	6.44	5.68	4.23	4	4.51	6.06	9.45	2.2	4.08
Sep	2002	12.28	14.78	8.44	10.5	10.48	12.35	7.9	5.38	6.17	9.08	8.65
Oct	2002	7.23	9.33	6.04	7.92	6.38	8.18	9.47	9.24	4.96	5.51	3.54

Nov	2002	3.99	5.42	5.16	7.23	4.79	8.88	5	6.4	2.41	2.42	3.5
Dec	2002	3.33	6.52	6.13	6.81	4.71	4.72	5.22	--	1.34	4.57	4.98
Total	2002	62.28	68.57	60.18	73.04	64.07	71.65	57.33	--	61.16	--	54.74

2001 Rainfall

Month	Year	Pensacola	Milton	Crestview	Niceville	DeFuniak Springs	Chipley	Panama City	Wewa-hitchka	Apalachicola	Quincy	Tallahass ee
Jan	2001	2.57	3.29	2.53	2.79	2.34	2.56	2.16	2.12	1.85	2.62	2.4
Feb	2001	0.12	2.3	1.41	2.12	0.66	1.36	1.27	0.84	0.52	0.73	0.64
Mar	2001	8.9	9.06	11.95	9.02	10.23	9.05	9.08	10.62	11.81	10.11	8.85
Apr	2001	1.54	1.58	1.21	1.22	2.08	1.8	0.72	0.69	0.05	1.2	1.73
May	2001	2.25	0.97	2.18	0.44	1.2	0.02	0.33	0.12	0.17	1.1	2.87
Jun	2001	5.69	10.11	7.5	10.15	10.1	11.48	9.63	8.92	8.93	0.41	15.83
Jul	2001	7.28	5.48	8.82	8.63	8.15	10.69	6.47	10.23	8.44	5.43	6.72
Aug	2001	7.53	8.56	7.76	10.17	9.53	12	8.15	11.8	9.85	5.61	12.02
Sep	2001	2.2	2.6	4.04	5.99	3.89	3	6.93	6.13	4.73	7.65	5.57
Oct	2001	2.44	4.26	1.42	2.01	2.32	2.04	2.67	0.75	2.57	3.51	3.95
Nov	2001	1.76	3.66	2.5	2.07	3.55	1.59	2.2	2.34	1.42	1.81	2.1
Dec	2001	2.37	3.24	1.6	1.94	1.11	1.3	0.97	1.3	2.5	0.39	0.78
Total	2001	47.53	55.11	53	56.55	55.16	56.89	50.42	55.87	53.83	40.62	63.45

2000 Rainfall

Month	Year	Pensacola	Milton	Crestview	Niceville	DeFuniak Springs	Chipley	Panama City	Wewa-hitchka	Apalachicola	Quincy	Tallahass ee
Jan	2000	3.07	4.71	2.48	5.97	4.34	3.75	2.54	2.84	3.01	3.37	2.58
Feb	2000	1.25	1.48	1.03	2.24	2.28	1.41	1.38	1.13	0.98	4.06	1.34
Mar	2000	3.92	6.18	2.38	5.96	4.7	6.62	7.54	4.9	4.5	4.54	3.36
Apr	2000	1.87	2.21	1.78	2.44	2.14	2.84	0.46	0.37	0.51	3.12	1
May	2000	0.38	0.15	0.01	0.15	0.19	--	0.26	0.04	0.01	0	0.16
Jun	2000	3.91	8.46	5.15	5.91	4.99	--	5.08	5.58	3.4	0.31	2.7
Jul	2000	2.29	3.47	0.44	4.88	3.67	--	4.94	2.98	8.71	1	4.97
Aug	2000	3.54	--	3.13	6.25	4.5	--	5.31	3.14	3.3	1.29	8.16
Sep	2000	9.99	--	5.44	13.34	8.16	--	6.02	11.86	18.78	8.54	13.31

Oct	2000	1.06	--	0.61	1	0.4	0.73	0.24	0.74	0.48	0.34	0.98
Nov	2000	8.14	9.95	6.44	5.98	6.96	--	5.69	5.34	6.74	4.47	2.85
Dec	2000	2.96	3.9	5.66	7.02	4.95	4.6	1.78	1.97	1.49	4.59	2.68
Total	2000	42.38	--	34.55	61.14	47.28	--	41.24	40.89	51.91	35.63	44.09

1999 Rainfall

Month	Year	Pensacola	Milton	Crestview	Niceville	DeFuniak Springs	Chipley	Panama City	Wewa-hitchka	Apalachicola	Quincy	Tallahassee
Jan	1999	4.99	6.32	3.31	4.26	5.34	4.88	5.48	4.71	4.46	5.85	4.19
Feb	1999	1.25	1.45	1.74	1.5	2.44	3.01	--	3.64	1.69	2.39	1.38
Mar	1999	4.61	5.55	8.31	4.3	6.37	3.58	5.29	3.03	3.56	4.2	3.52
Apr	1999	1.36	2.52	0.16	1.66	0.56	1.42	3.04	5.81	2.16	0.44	0.96
May	1999	4.99	6.04	6.82	5.18	8.34	6.51	9.02	3.9	3.77	4.71	6.91
Jun	1999	6.34	8.51	6.92	5.19	12.63	8.16	5.87	6.95	5.93	3.65	7.13
Jul	1999	9.5	6.47	12.18	7.02	7.65	0	6.21	12.66	2.33	8.95	7.71
Aug	1999	4.09	3.71	6.49	4.83	4.38	10.31	7.75	3.11	5.25	4.63	6.06
Sep	1999	1.7	1.33	1.26	1.95	2.7	1.88	1.32	3.09	4.3	3.38	5.82
Oct	1999	2.8	4.47	3.19	3.85	11.75	1.99	2.9	1.93	3.67	1.83	1.62
Nov	1999	1.53	2.97	2.84	4.05	2.19	2.49	3.61	3.51	2.83	3.01	2.22
Dec	1999	3.9	3.73	5.67	6.56	3.94	--	3.03	3.53	2.67	2.84	2.55
Total	1999	47.06	53.07	58.89	50.35	68.29	--	--	55.87	42.62	45.87	50.07

1998 Rainfall

Month	Year	Pensacola	Milton	Crestview	Niceville	DeFuniak Springs	Chipley	Panama City	Wewa-hitchka	Apalachicola	Quincy	Tallahassee
Jan	1998	10.29	--	7.74	10.91	8.28	7.58	9.05	7.11	6.5	5.21	4.49
Feb	1998	5.4	8.24	4.48	12.59	9.43	10.41	8.32	9.24	9.88	8.17	7.26
Mar	1998	8.09	8.95	5.22	6.74	8.27	5.54	6.57	10.85	8.16	8.9	6.83
Apr	1998	1.93	3.83	2.92	2.2	2.37	2.87	1.79	0.8	1.46	2.82	1
May	1998	1.31	2.99	1.04	0.88	1.12	2.45	2.04	1.6	0.48	0.2	0.21
Jun	1998	0.91	0.97	--	1.37	1.84	1.32	0.7	0.77	0.2	2.27	2.33
Jul	1998	10.41	5.31	--	7.48	8.36	4.84	1.94	7.73	1.56	11.45	16.31
Aug	1998	2.09	4.42	0	10.58	4.89	3.78	5.42	6.41	5.99	3.59	3.25

Sep	1998	19.71	21.73	--	31.41	26.9	18.72	29.26	24.81	18.01	19.41	13.13
Oct	1998	0.11	0.21	0.04	0.41	0.11	4.03	1.6	1.54	0.2	0.71	0.97
Nov	1998	3.66	5.91	1.67	3.22	3.24	3.13	5.03	2.46	1.2	0.97	1.39
Dec	1998	5.25	4.05	4.06	6.25	6.51	2.95	3.42	4.25	1.22	1.87	1.66
Total	1998	69.16	--	--	94.04	81.32	67.62	75.14	77.57	54.86	65.57	58.83

1997 Rainfall

Month	Year	Pensacola	Milton	Crestview	Niceville	DeFuniak Springs	Chipley	Panama City	Wewa-hitchka	Apalachicola	Quincy	Tallahassee
Jan	1997	7.45	4.67	6.45	8.06	8.47	9.46	4.42	4.44	5.85	5.26	4.17
Feb	1997	6.98	6.86	7.79	6.69	5.72	3.9	2.68	3.23	4.83	6.59	5.56
Mar	1997	4.16	3.86	3.6	3.05	3.07	3.09	2.27	2.72	0.7	0.87	2.23
Apr	1997	6.16	6.24	8.01	7.94	4.96	7.44	6.11	7.14	5	9.57	5.98
May	1997	7.62	3.73	5.23	6.38	7.78	3.11	5.49	1.75	1.2	6.07	8.15
Jun	1997	6.34	9.12	6.69	3.72	6.75	6.13	2.18	4.37	2.95	6.34	9.79
Jul	1997	16.4	6.51	--	10.71	8.06	8.74	11	8.86	8.85	5.6	7.24
Aug	1997	4.81	6.5	--	7.3	5.53	4.18	4.32	8.94	7.78	3.37	4.87
Sep	1997	2.85	1.94	--	4.26	2.98	0	5.42	2.33	2.38	4.04	1.4
Oct	1997	3.01	4.75	--	3.58	3.49	2.87	6.27	2.99	8.29	9.79	4.99
Nov	1997	9.33	10.68	--	7.28	11.01	12.9	11.85	6.89	4.68	12.79	6.36
Dec	1997	5.34	--	--	6.49	5.49	7.02	3	2.62	7.09	4.47	3.51
Total	1997	80.45	--	--	75.46	73.31	68.84	65.01	56.28	59.6	75.12	64.25

1996 Rainfall

Month	Year	Pensacola	Milton	Crestview	Niceville	DeFuniak Springs	Chipley	Panama City	Wewa-hitchka	Apalachicola	Quincy	Tallahassee
Jan	1996	4.38	5.67	5.8	5.42	3.66	3.66	2.31	3.11	2.53	3.7	3.16
Feb	1996	5.44	4.72	5.82	7.53	10.51	3.79	4.64	3.73	4	5.15	3.36
Mar	1996	9.42	10.62	--	8.64	7.72	14.46	10.14	6.67	10.77	9.42	8.63
Apr	1996	8.01	8.92	5.12	13.52	5.82	4.16	6.95	4.44	2.73	4.9	3.49
May	1996	0.95	0.64	1.12	1.87	5.08	4.24	1.52	1.85	2.08	2.37	2.14

Jun	1996	6.34	4.36	1.4	7	5.78	1.02	7.55	6.1	1.99	2.86	4.68
Jul	1996	7.22	6.87	4.65	7.62	3.86	4.69	9.92	11.45	10.44	4.54	3.29
Aug	1996	9.51	9.29	6.01	9.16	10.01	8.33	13.11	8.32	11.29	8.79	7.26
Sep	1996	5.4	5.24	8.14	9.66	6.05	5.84	6.48	6.53	6.79	9.21	4.99
Oct	1996	2.82	1.3	1.64	4.33	6.83	4.26	4.4	4.5	20.87	7.6	8.75
Nov	1996	1.88	2.67	2.68	2.4	1.36	2.49	0.93	1.13	1.11	1.69	1.11
Dec	1996	5.58	5.13	1.81	6.85	3.97	3.81	6.07	5.69	5.69	5.21	6.12
Total	1996	66.95	55.43	--	84	70.95	60.75	74.02	63.52	80	65.44	56.98

Plant Scholz Groundwater Network 10/14/99

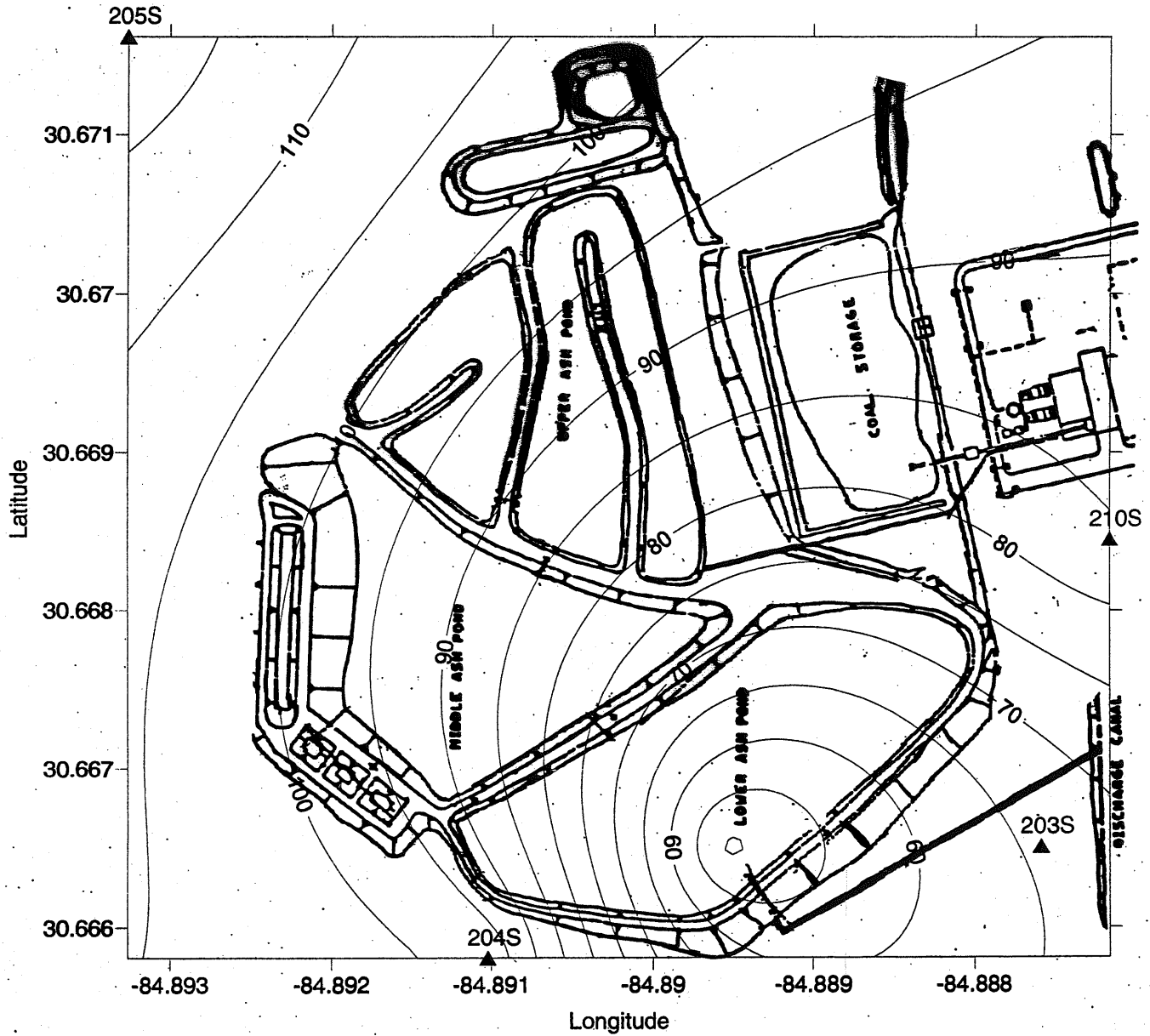
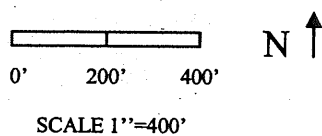


Figure 1: Potentiometric Map of the Surficial Aquifer



Plant Scholz Groundwater Network 9/7/00

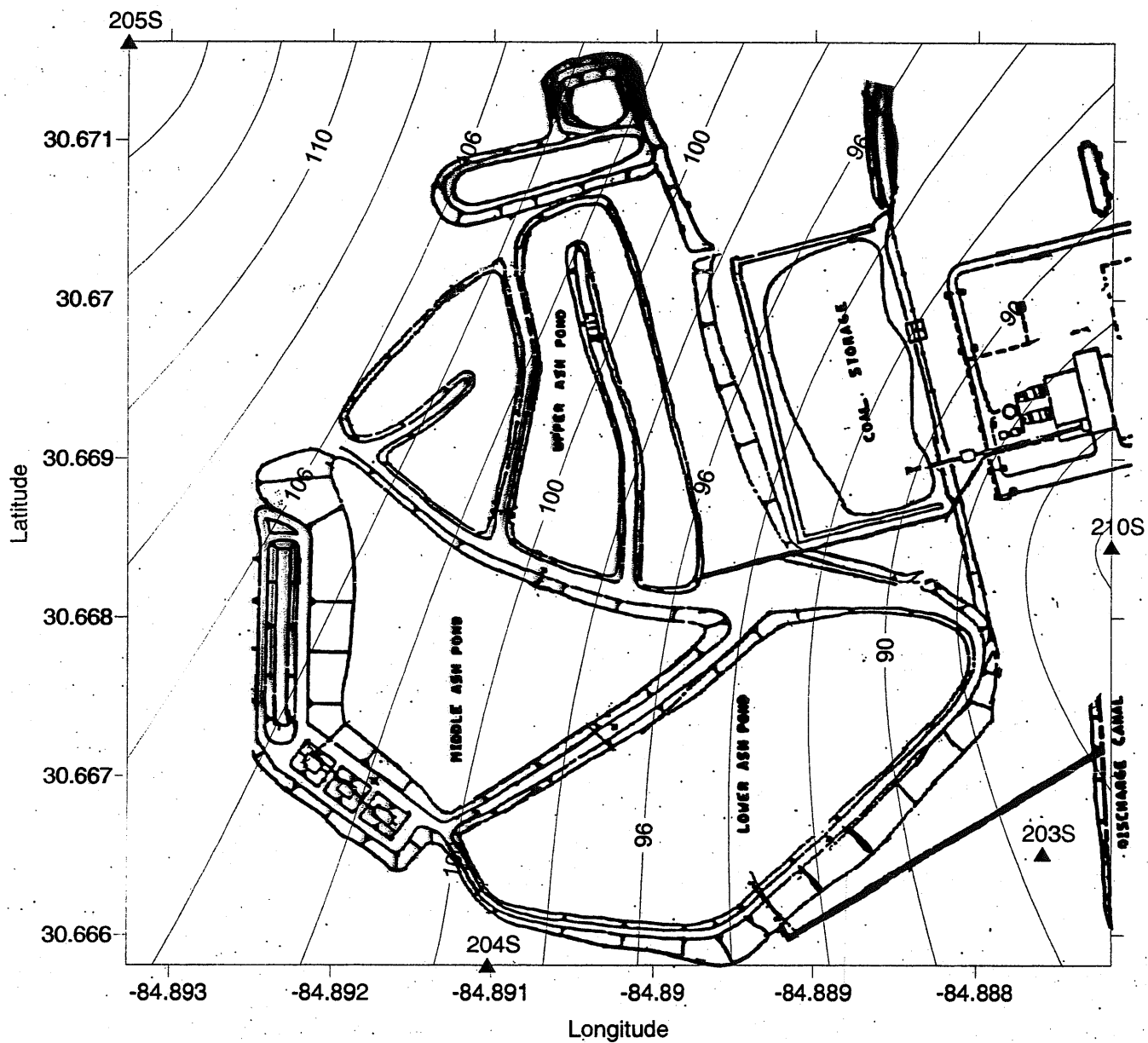
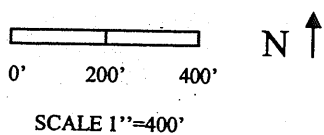


Figure 2: Potentiometric Map of the Surficial Aquifer



Plant Scholz Groundwater Network 8/20/01

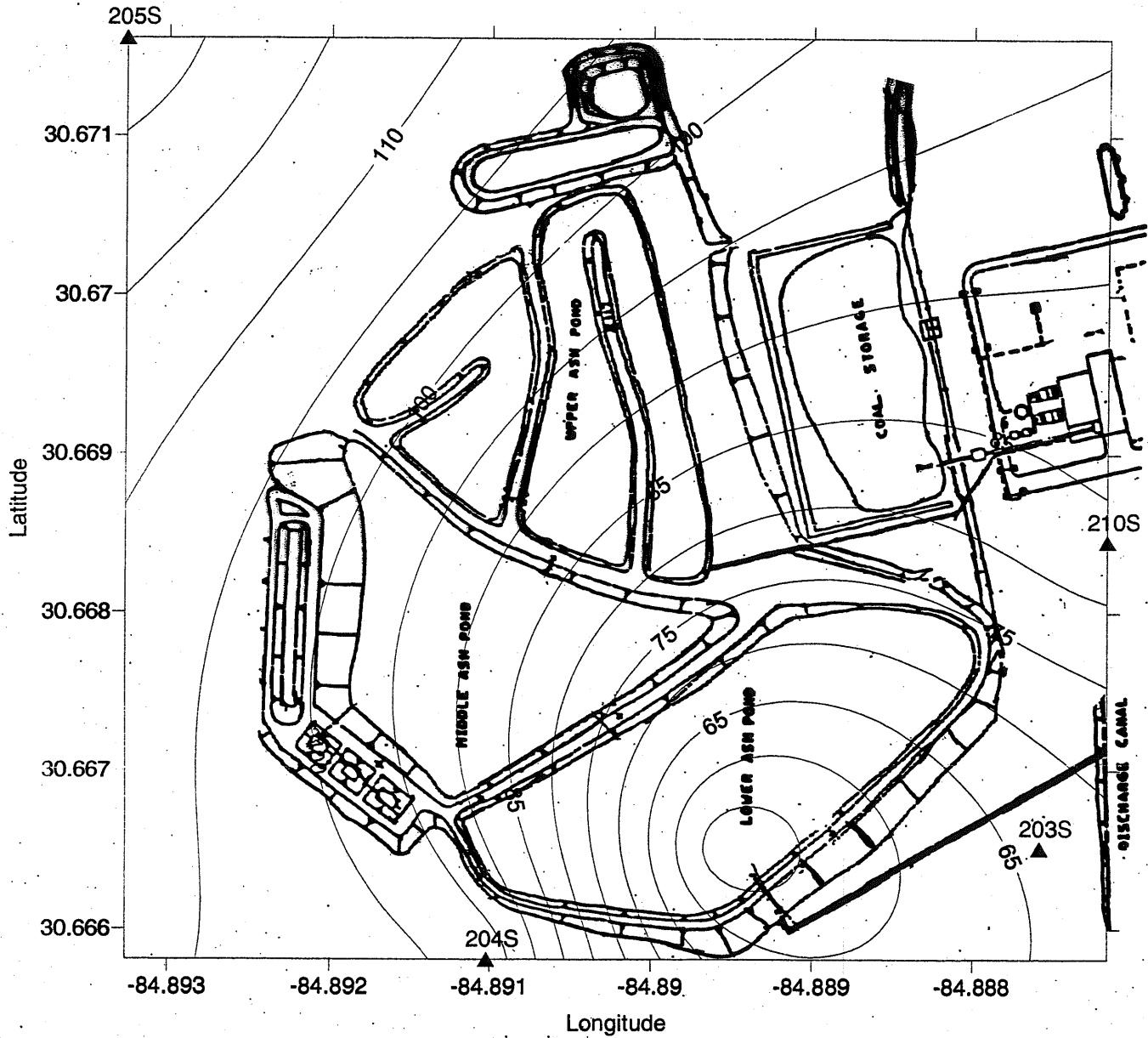
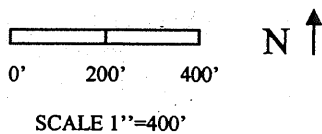


Figure 3: Potentiometric Map of the Surficial Aquifer



Plant Scholz Groundwater Network 9/2/02

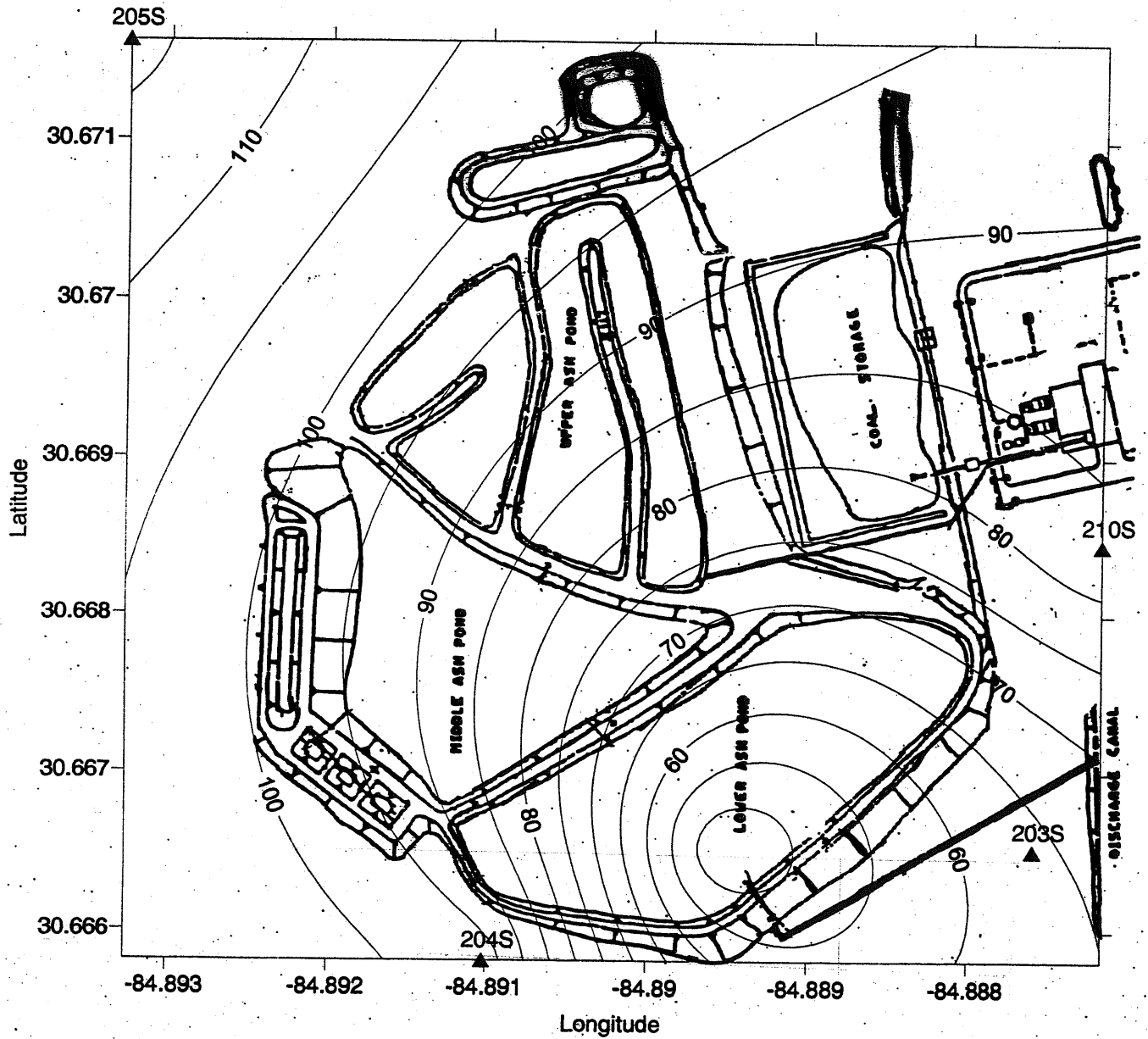
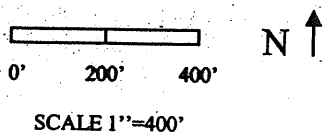


Figure 4: Potentiometric Map of the Surficial Aquifer



Plant Scholz Groundwater Network 8/7/03

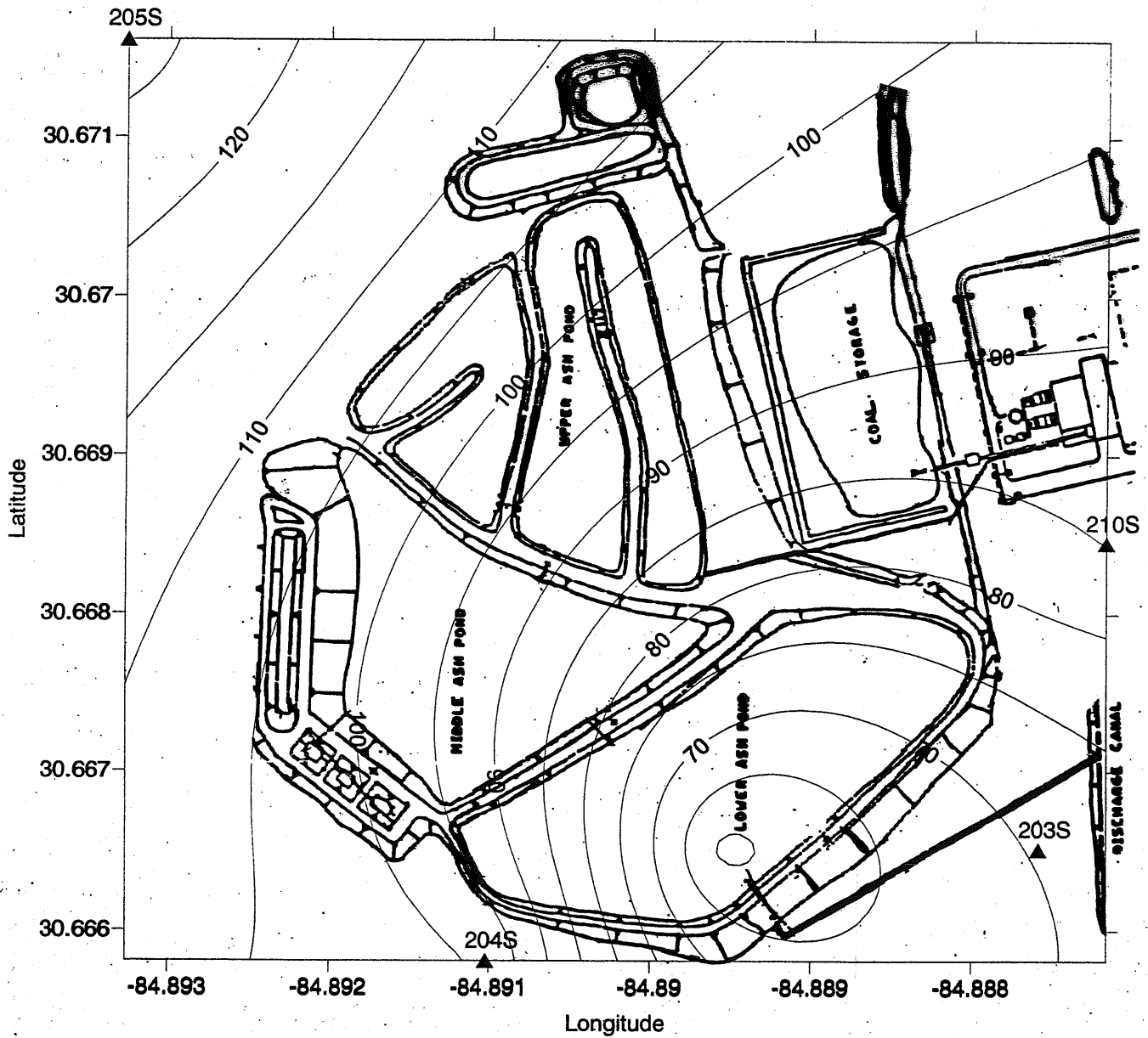
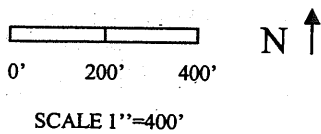


Figure 5: Potentiometric Map of the Surficial Aquifer



Plant Scholz Groundwater Network 10/14/99

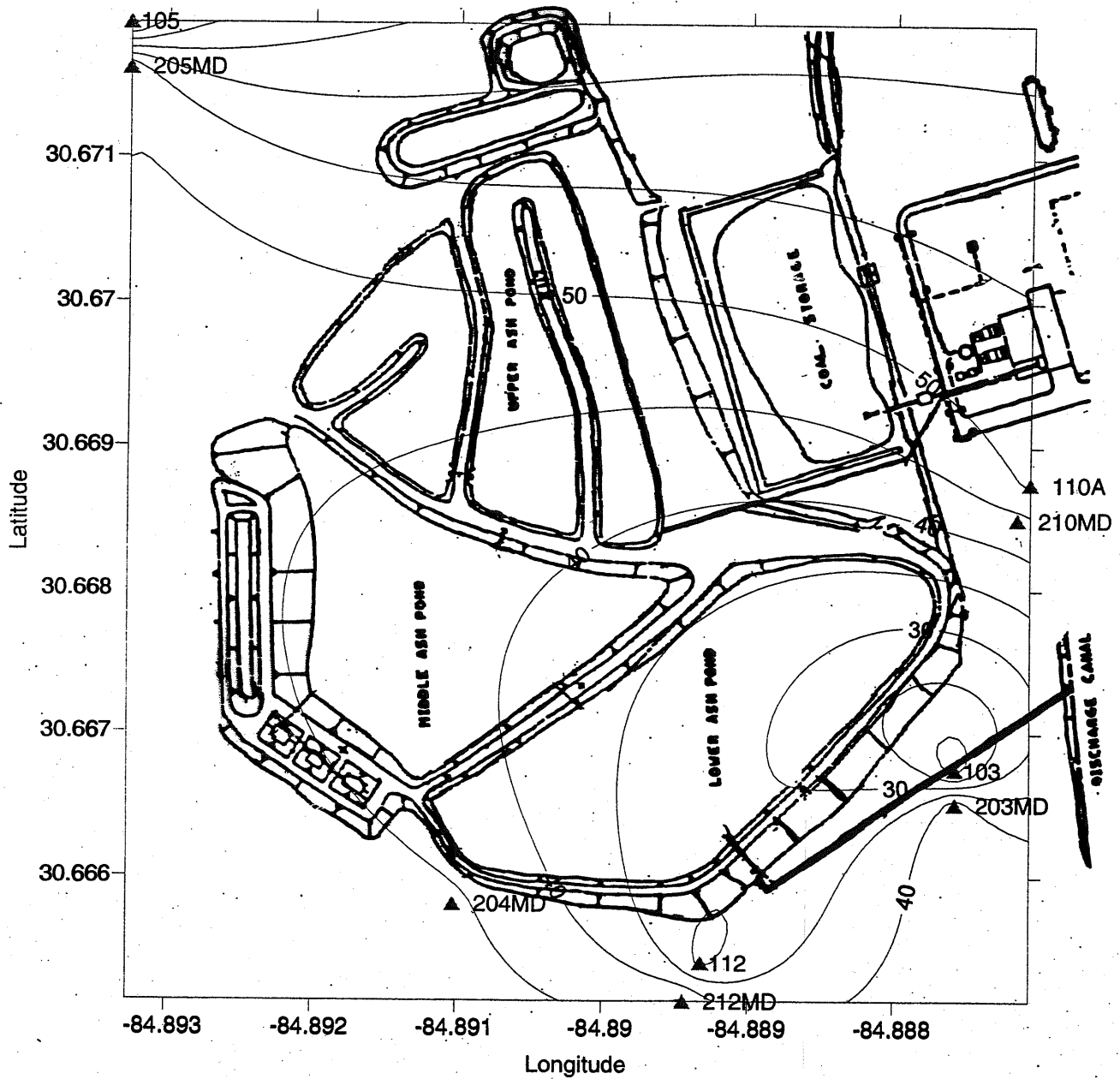
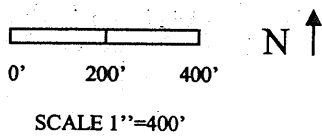


Figure 6: Potentiometric Map of the Floridan Aquifer



Plant Scholz Groundwater Network 9/7/00

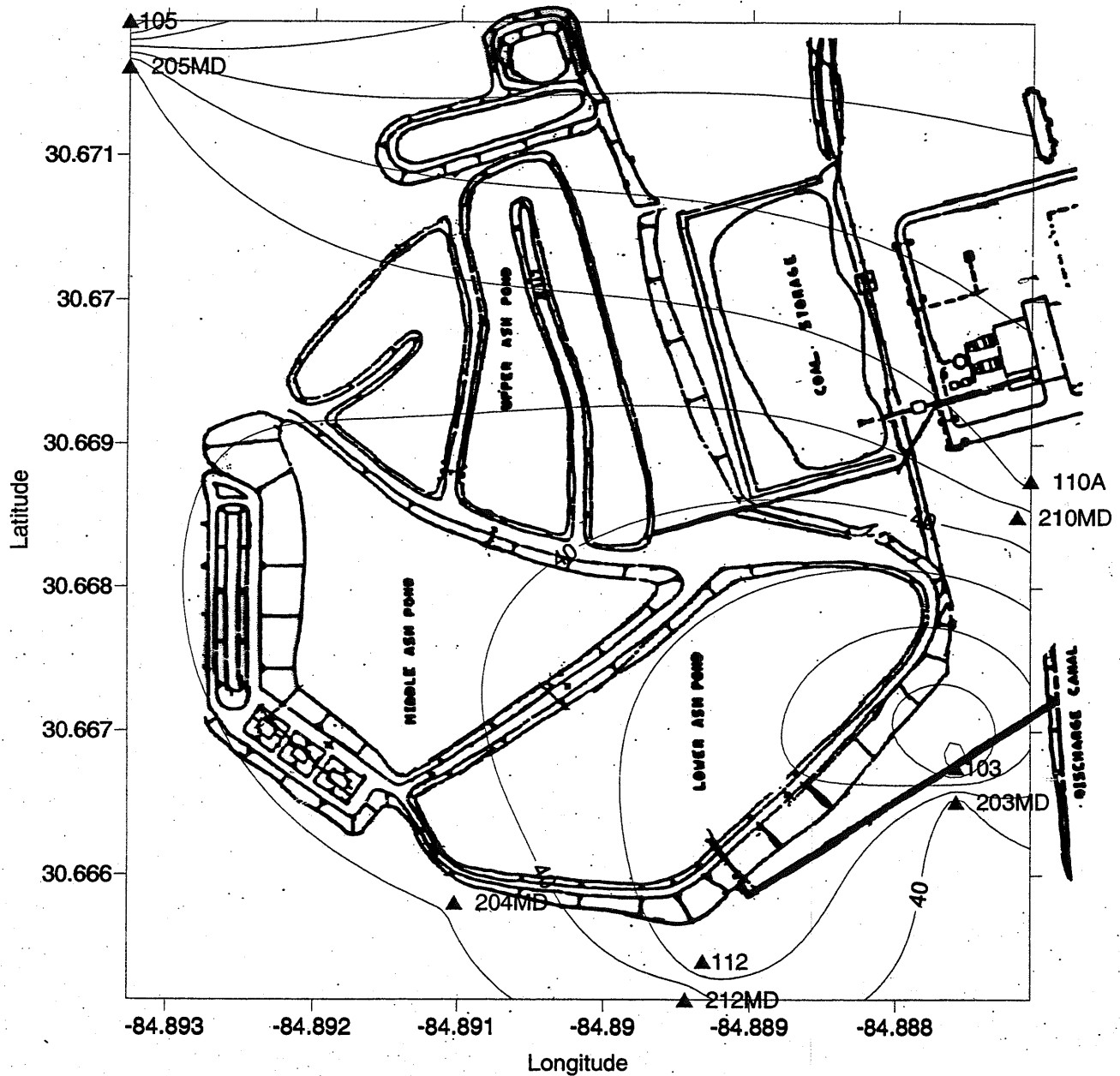
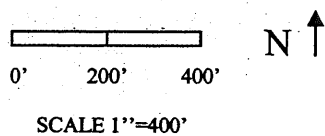


Figure 7: Potentiometric Map of the Floridan Aquifer



Plant Scholz Grounwater Network 8/20/01

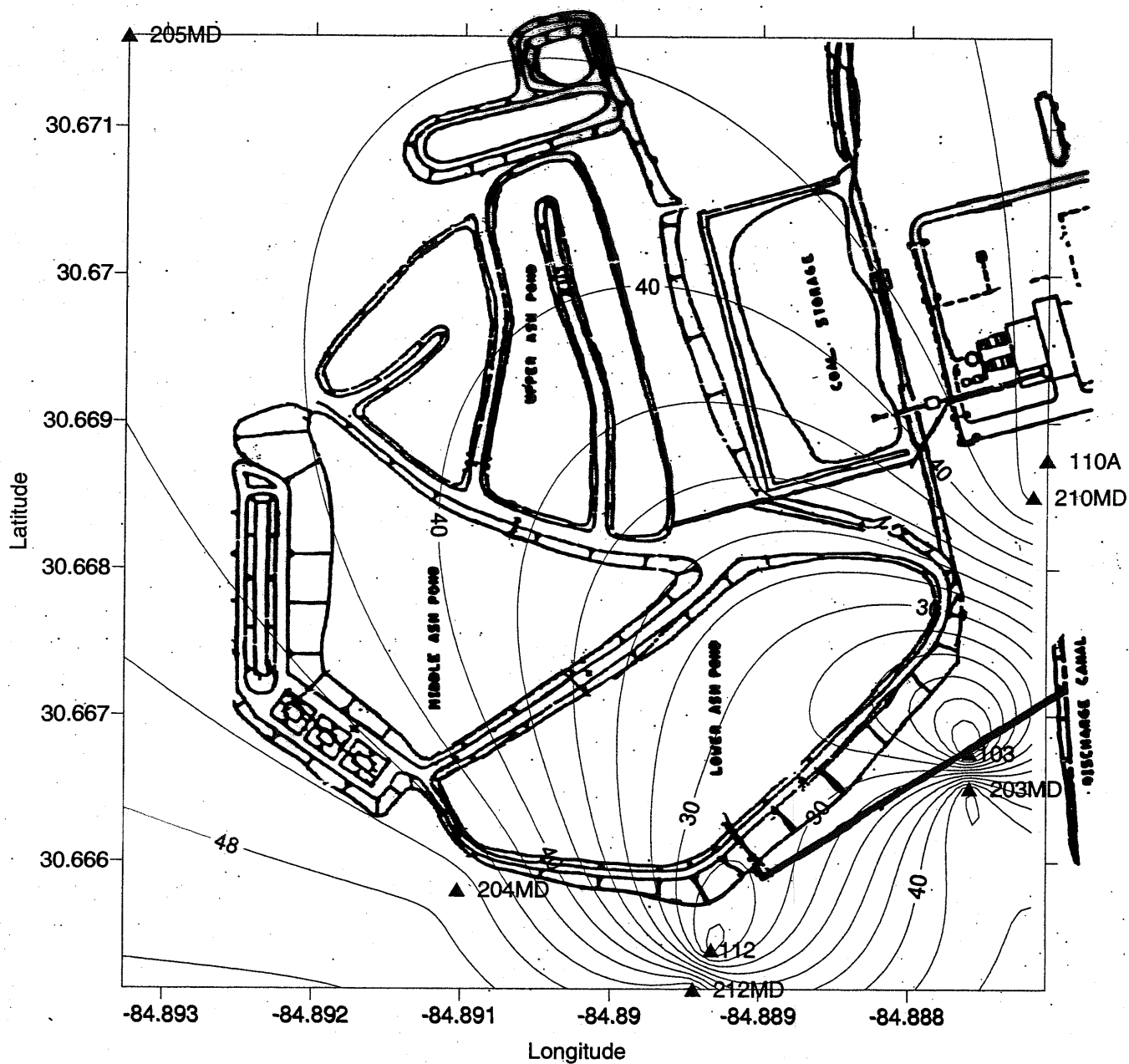
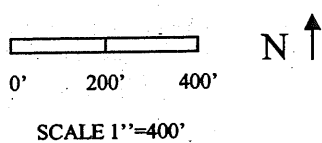


Figure 8: Potentiometric Map of the Floridan Aquifer



Plant Scholz Groundwater Nwtwork 9/2/02

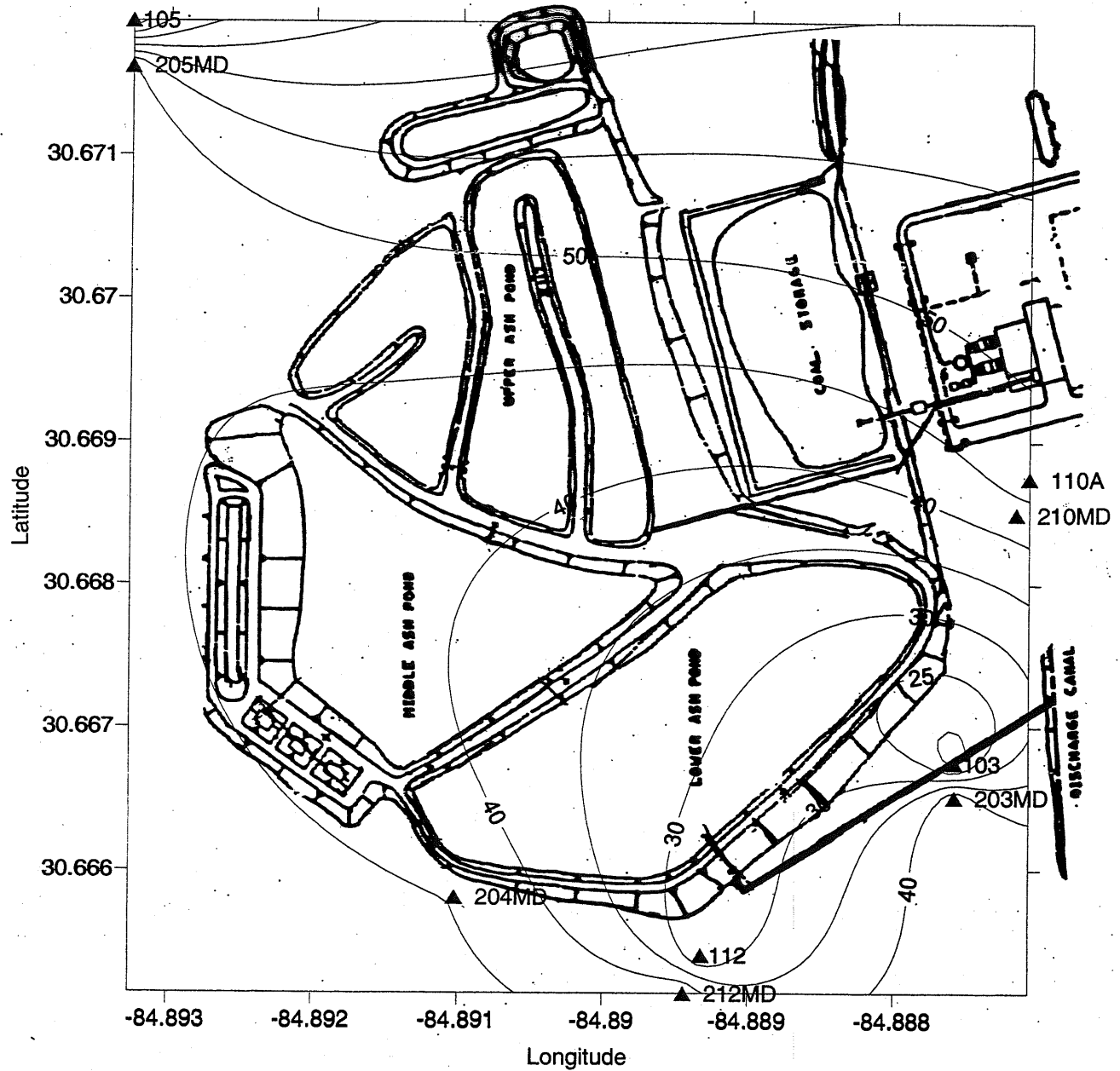
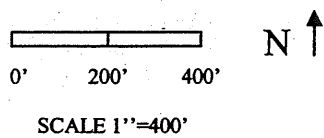


Figure 9: Potentiometric Map of the Floridan Aquifer



Plant Scholz Groundwater Network 8/7/03

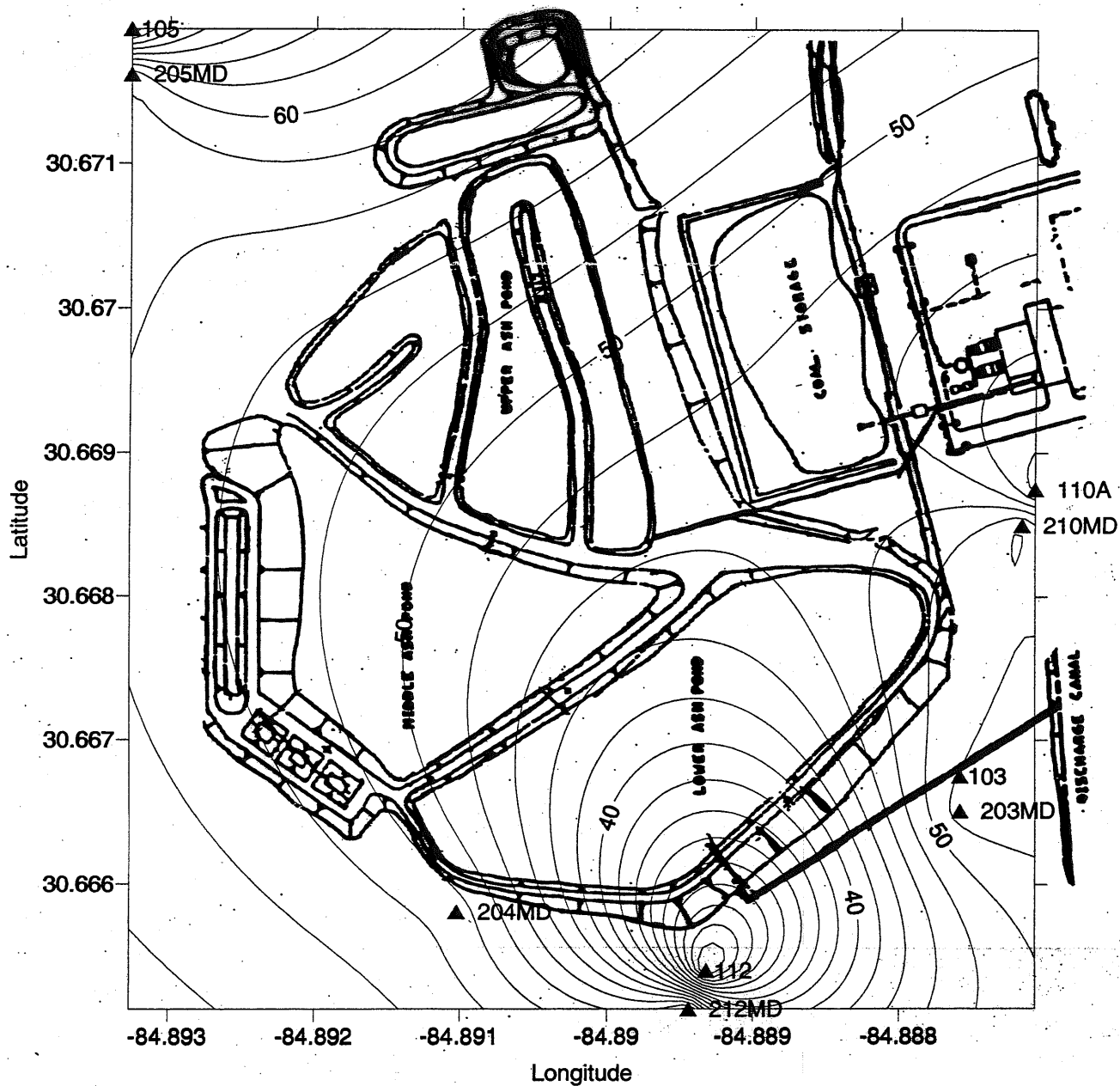
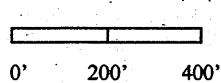


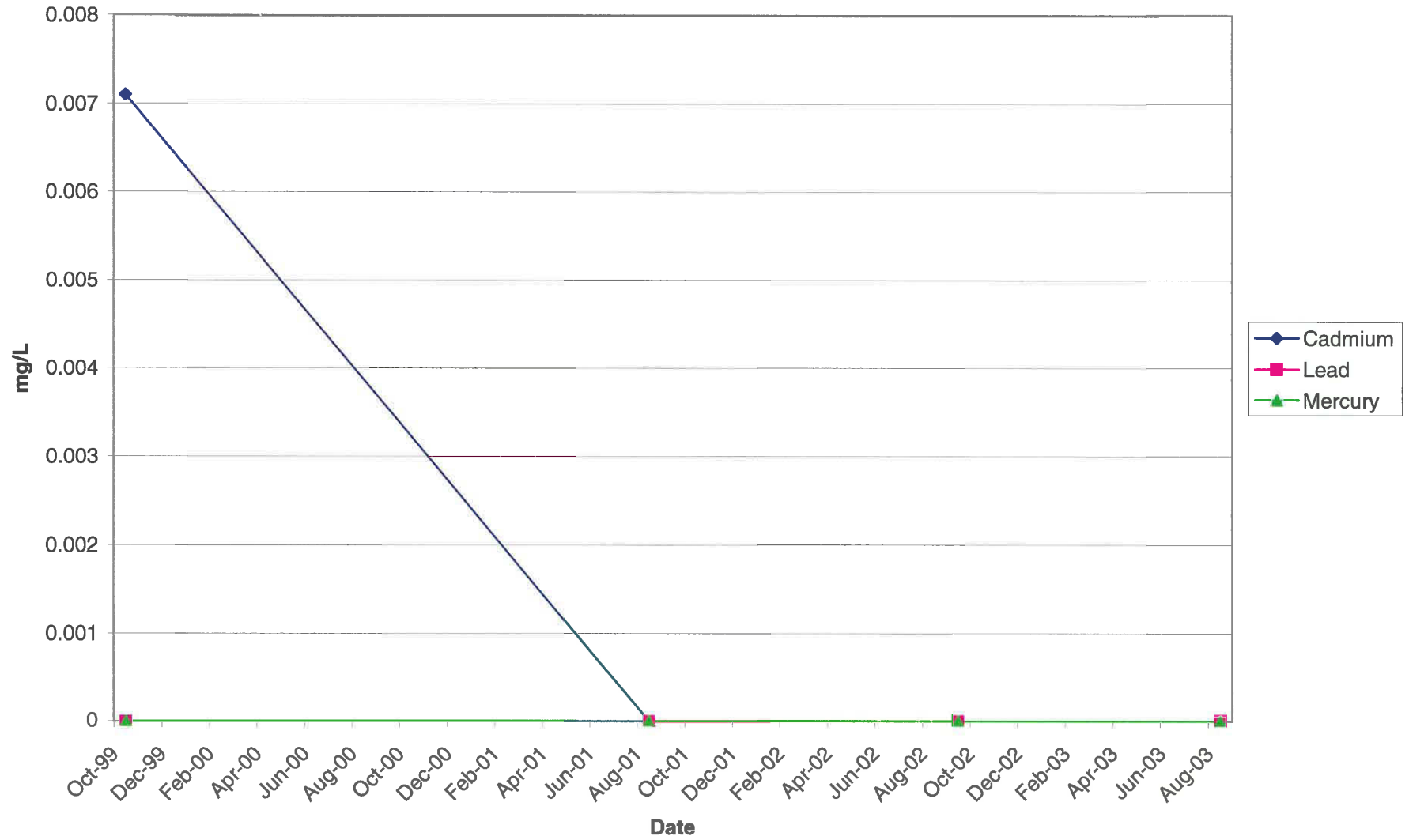
Figure 10: Potentiometric Map of the Floridan Aquifer



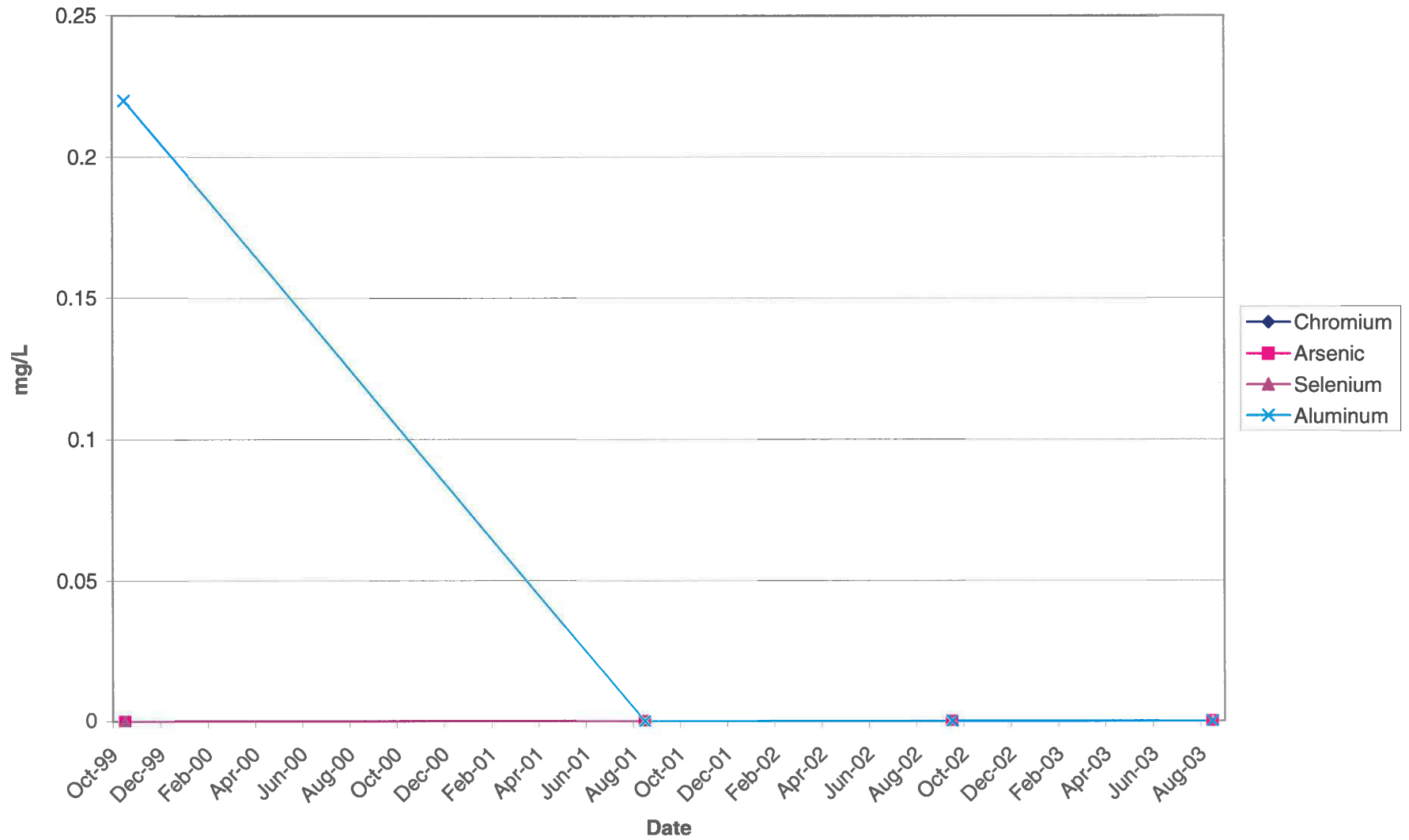
SCALE 1"=400'



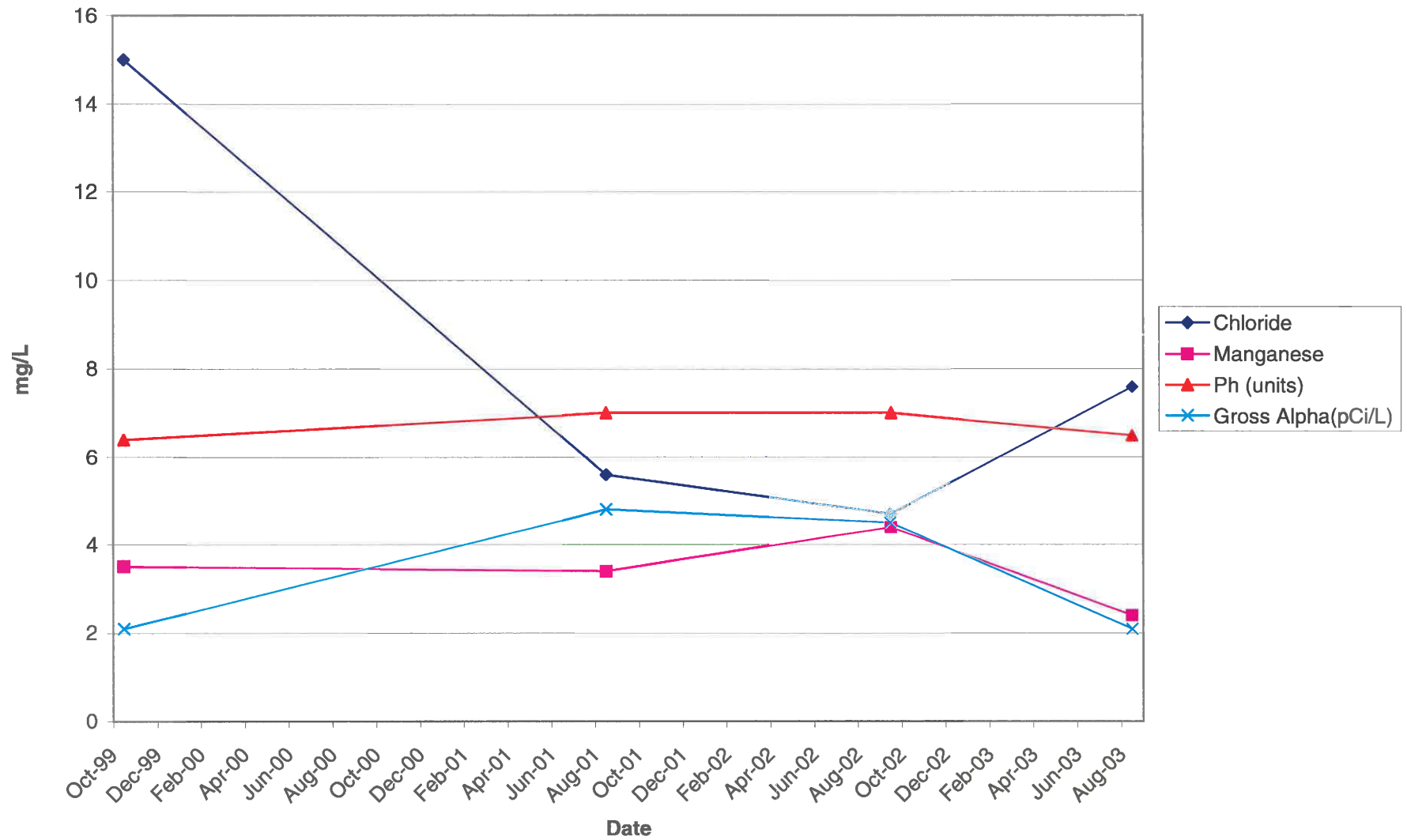
Monitor Well 203-S Metal Concentrations Over Time



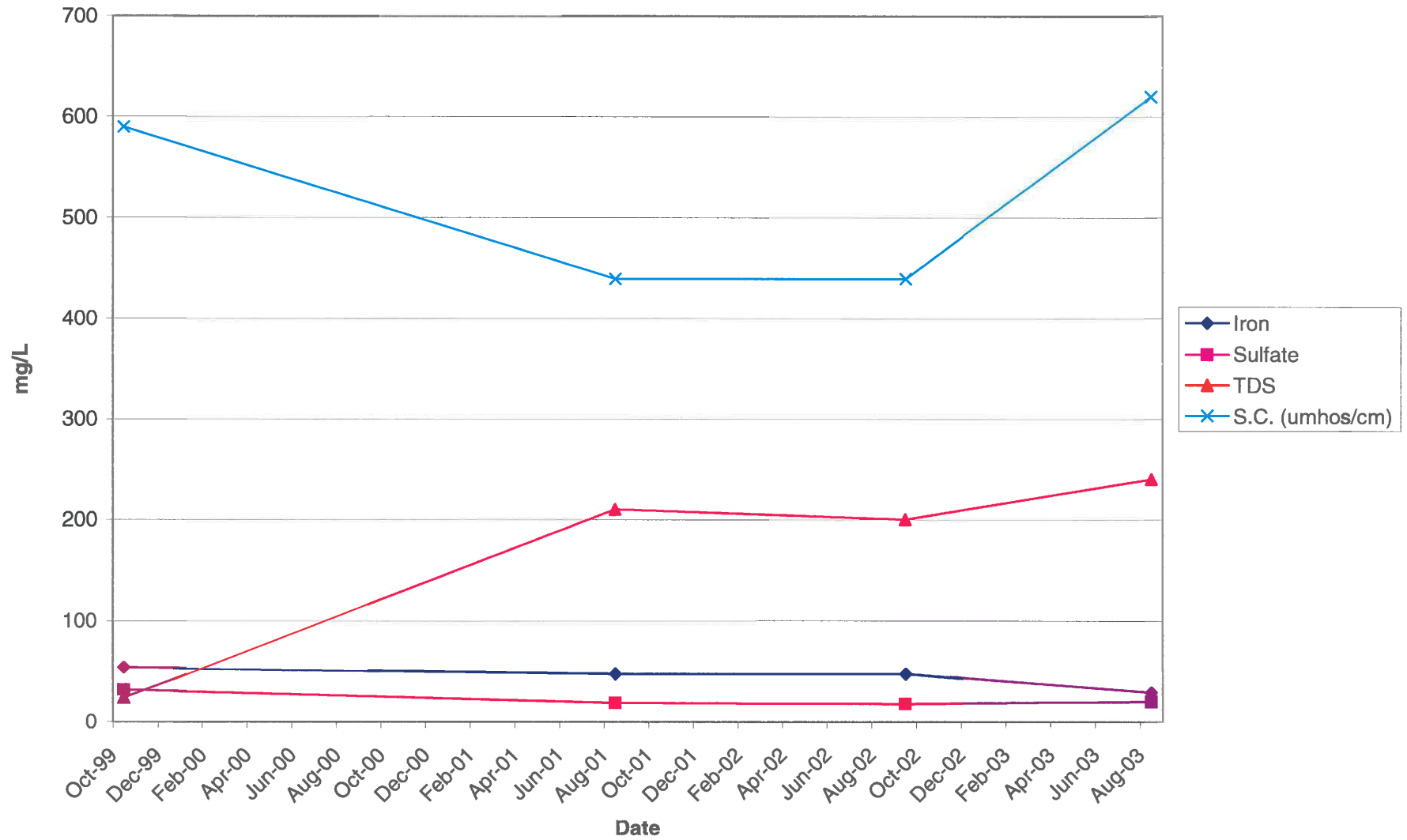
Monitor Well 203-S Metal Concentrations Over Time



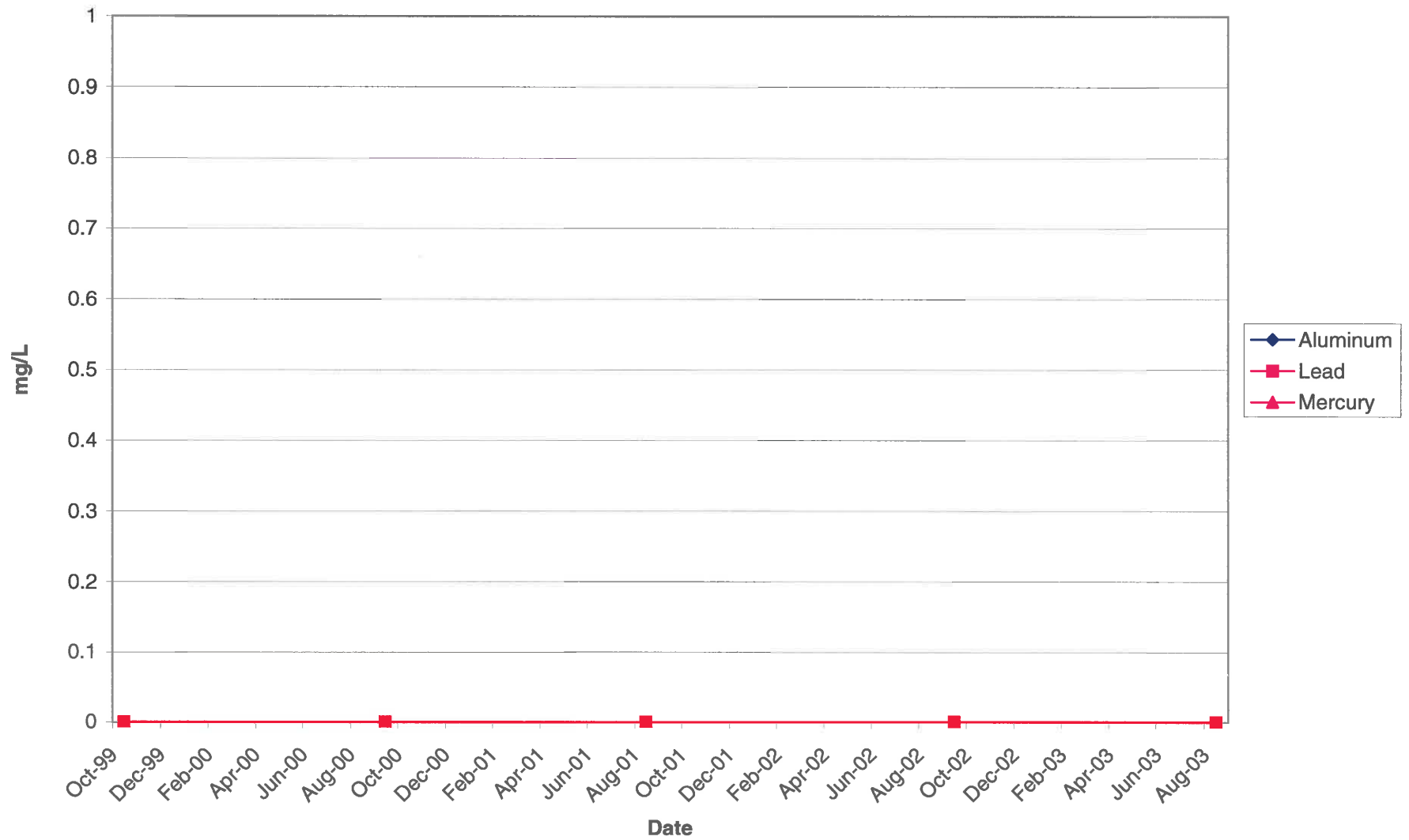
Monitor Well 203-S Metal Concentrations Over Time



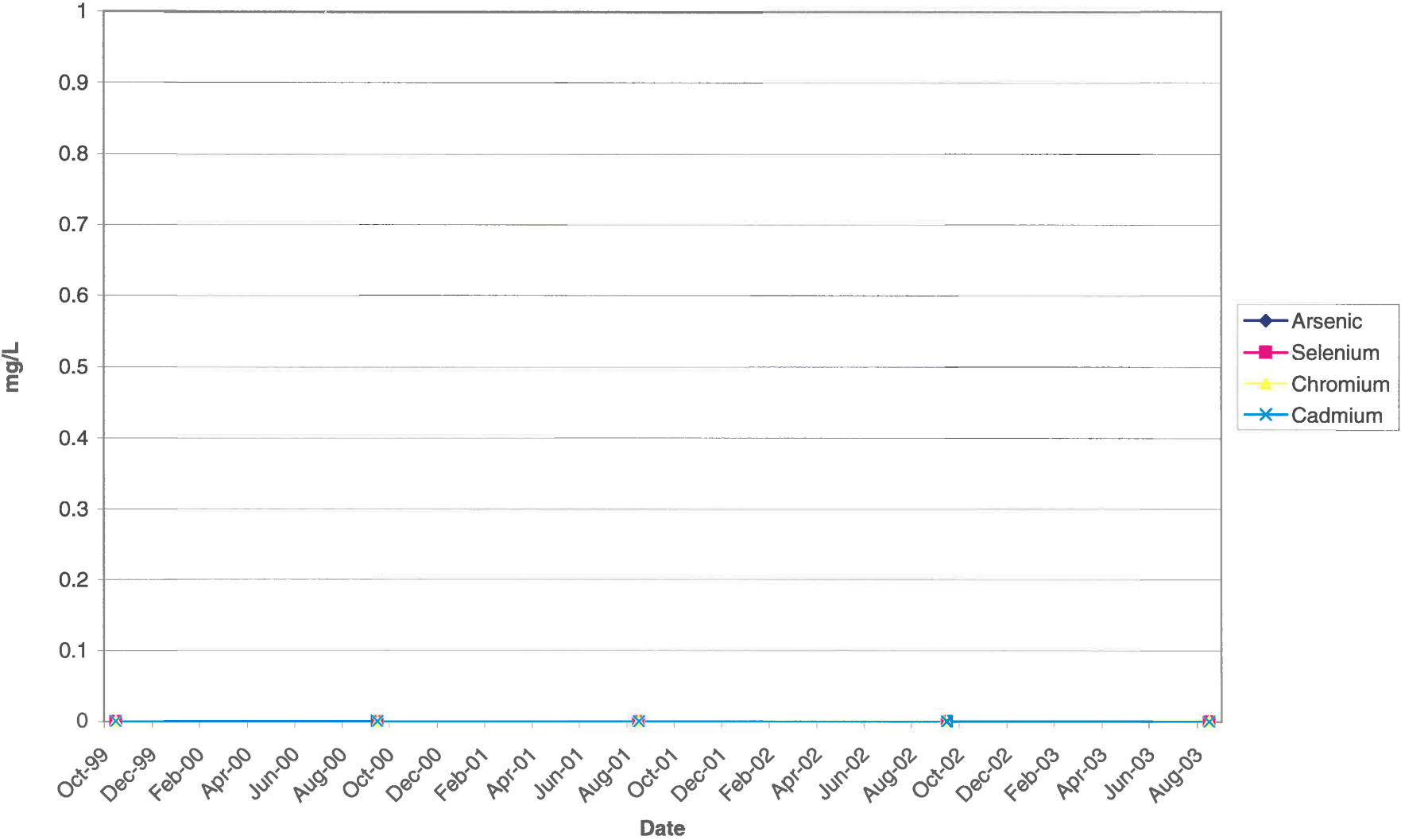
Monitor Well 203-S Metal Concentrations Over Time



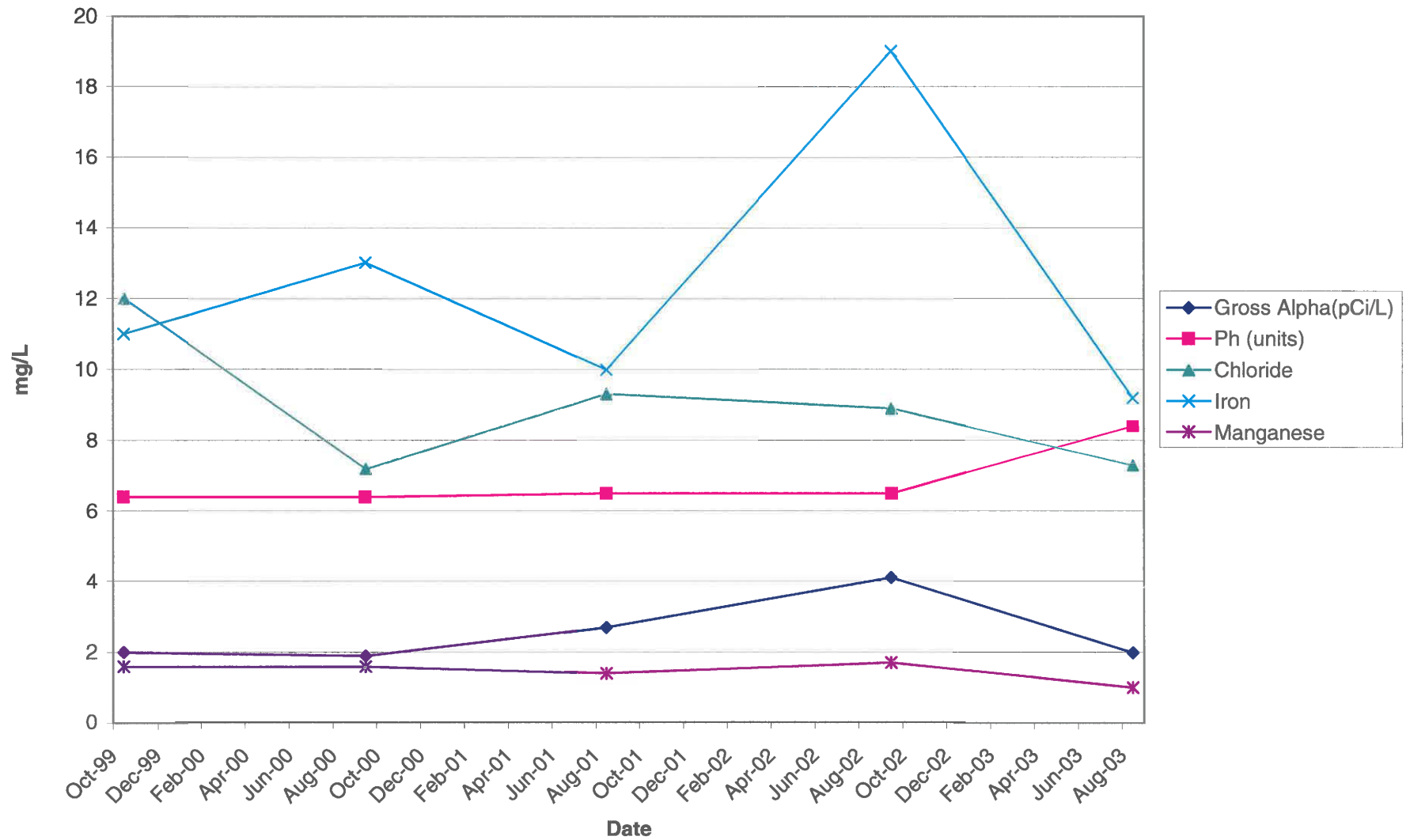
Monitor Well 204-S Metal Concentrations Over Time



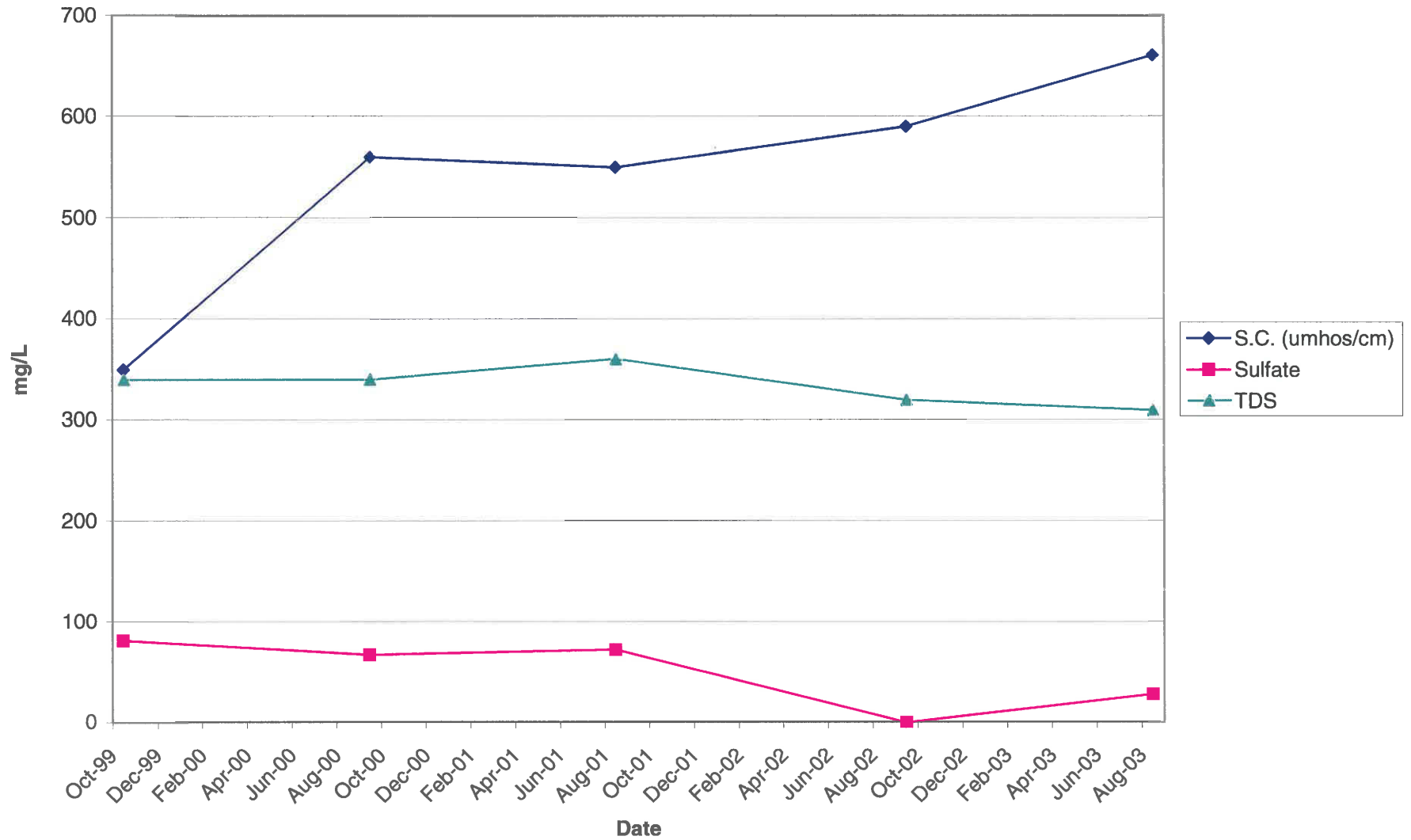
Monitor Well 204-S Metal Concentrations Over Time



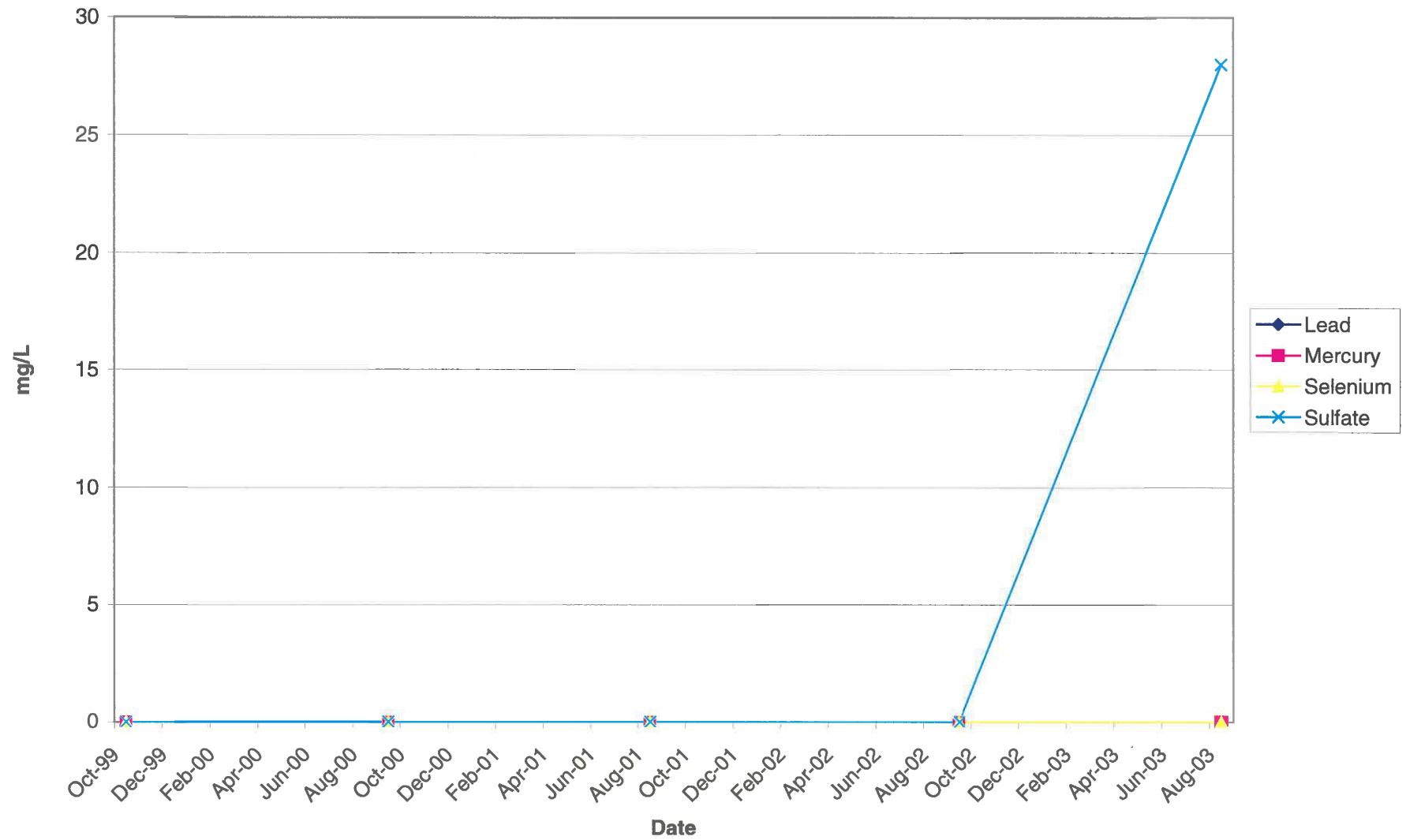
Monitor Well 204-S Metal Concentrations Over Time



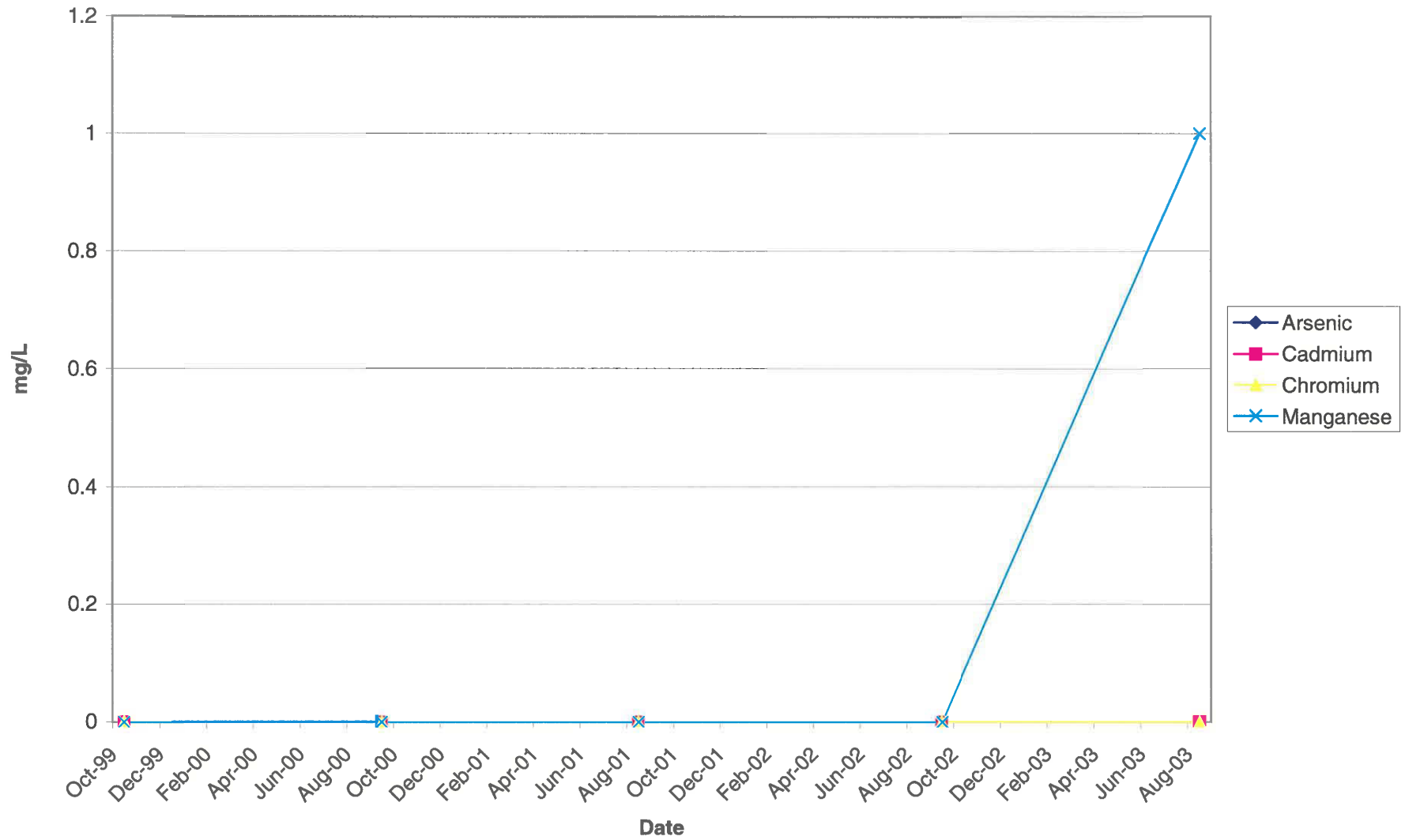
Monitor Well 204-S Metal Concentrations Over Time



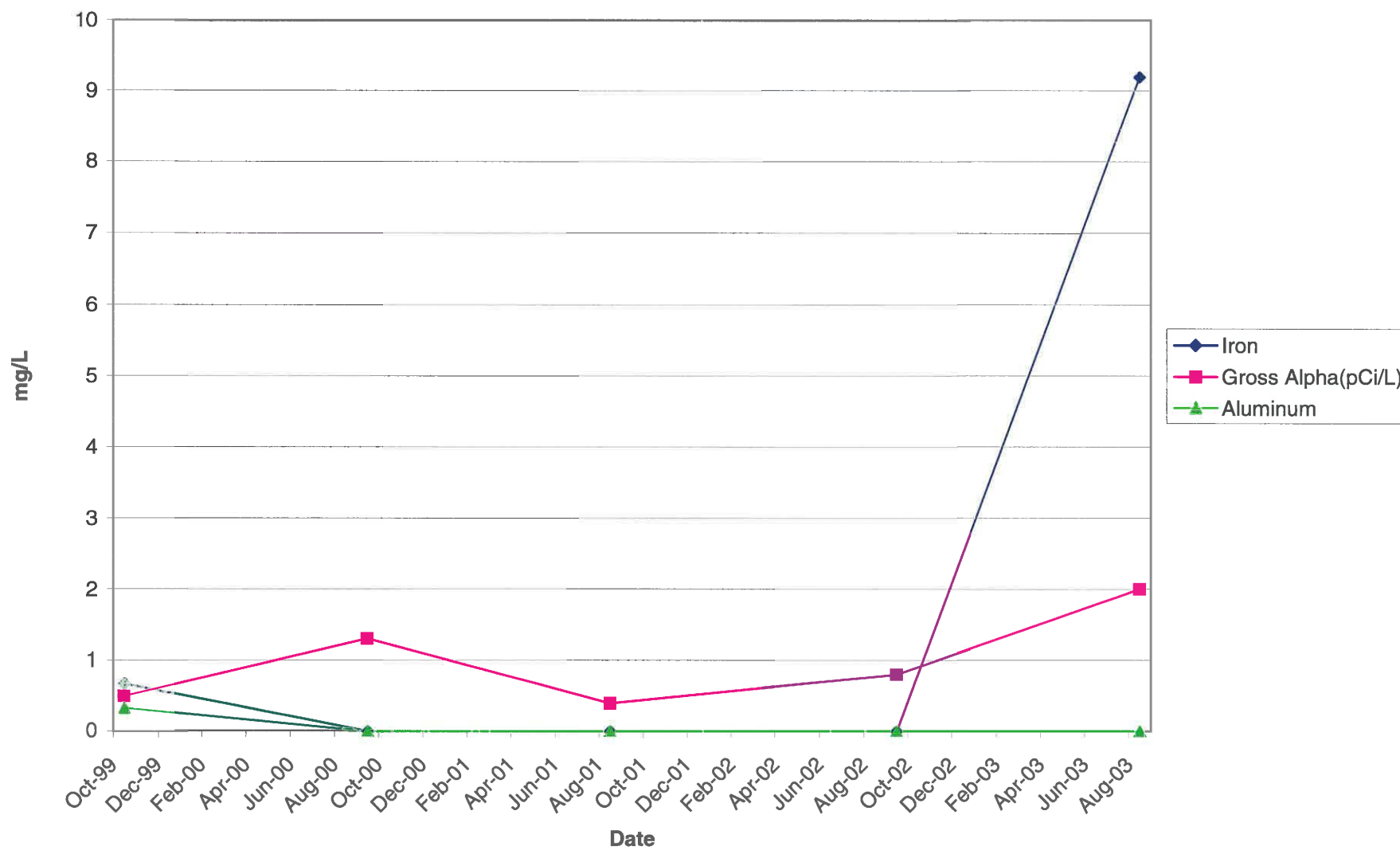
Monitor Well 205-S Metal Concentrations Over Time



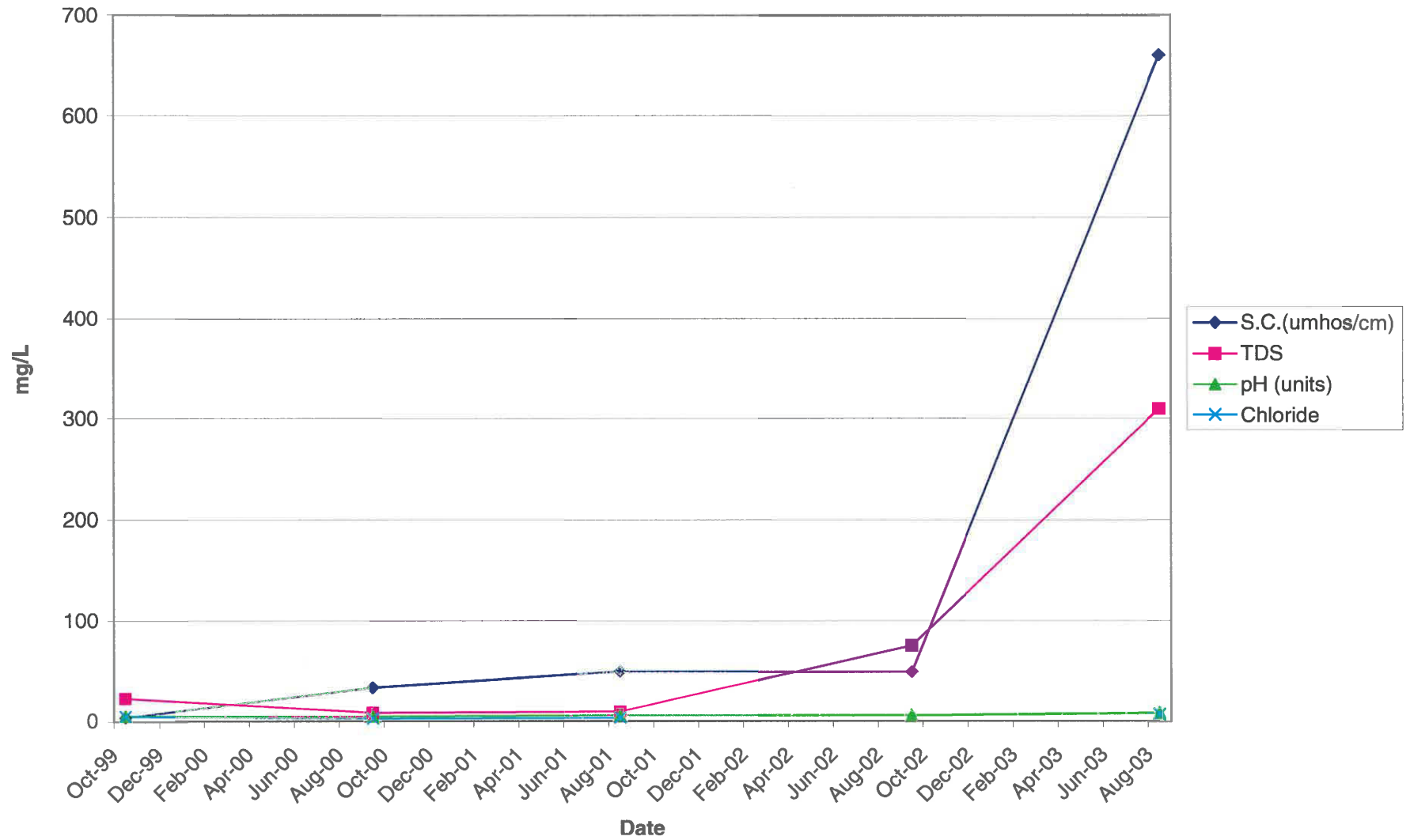
Monitor Well 205-S Metal Concentrations Over Time



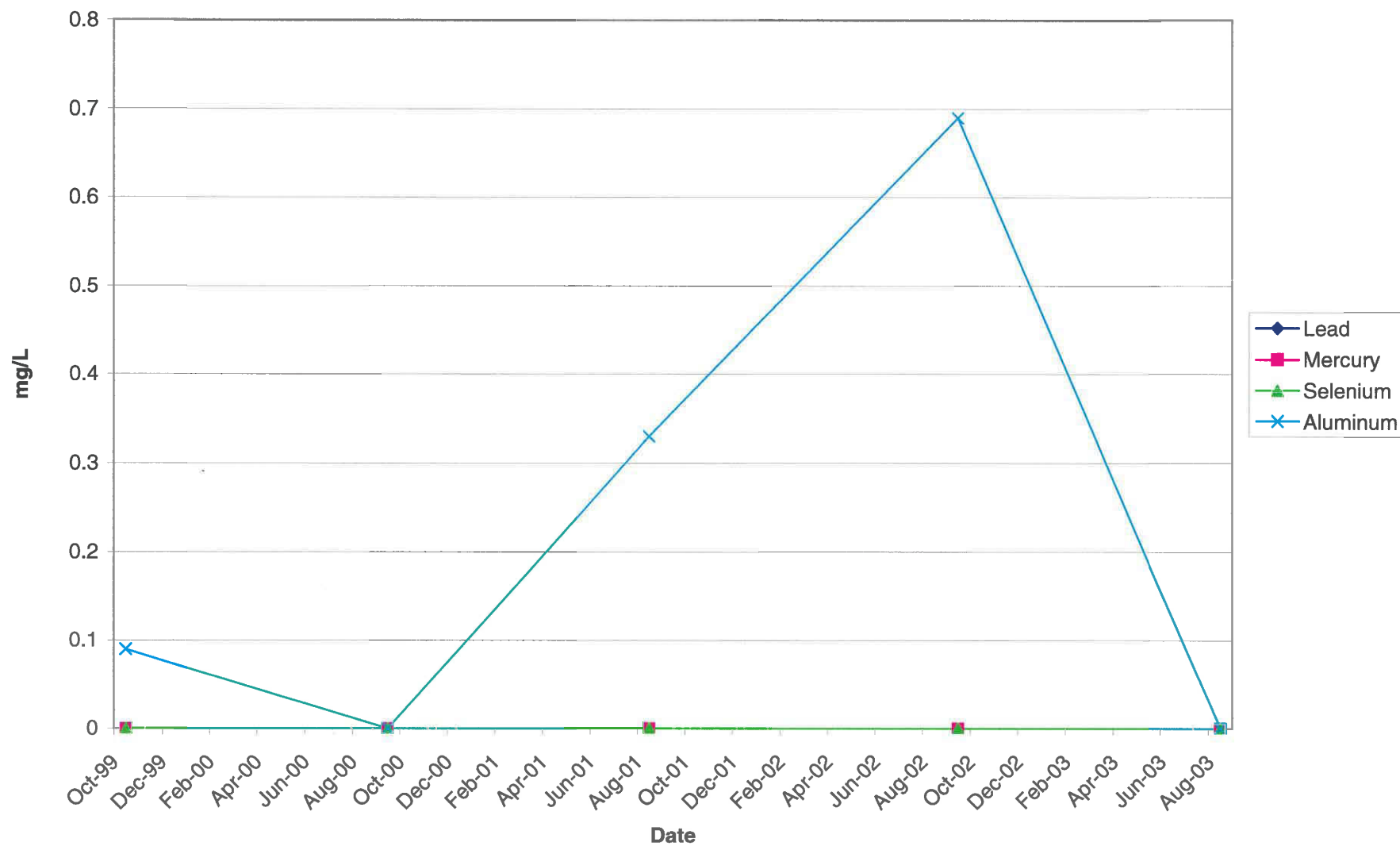
Monitor Well 205-S Metal Concentrations Over Time



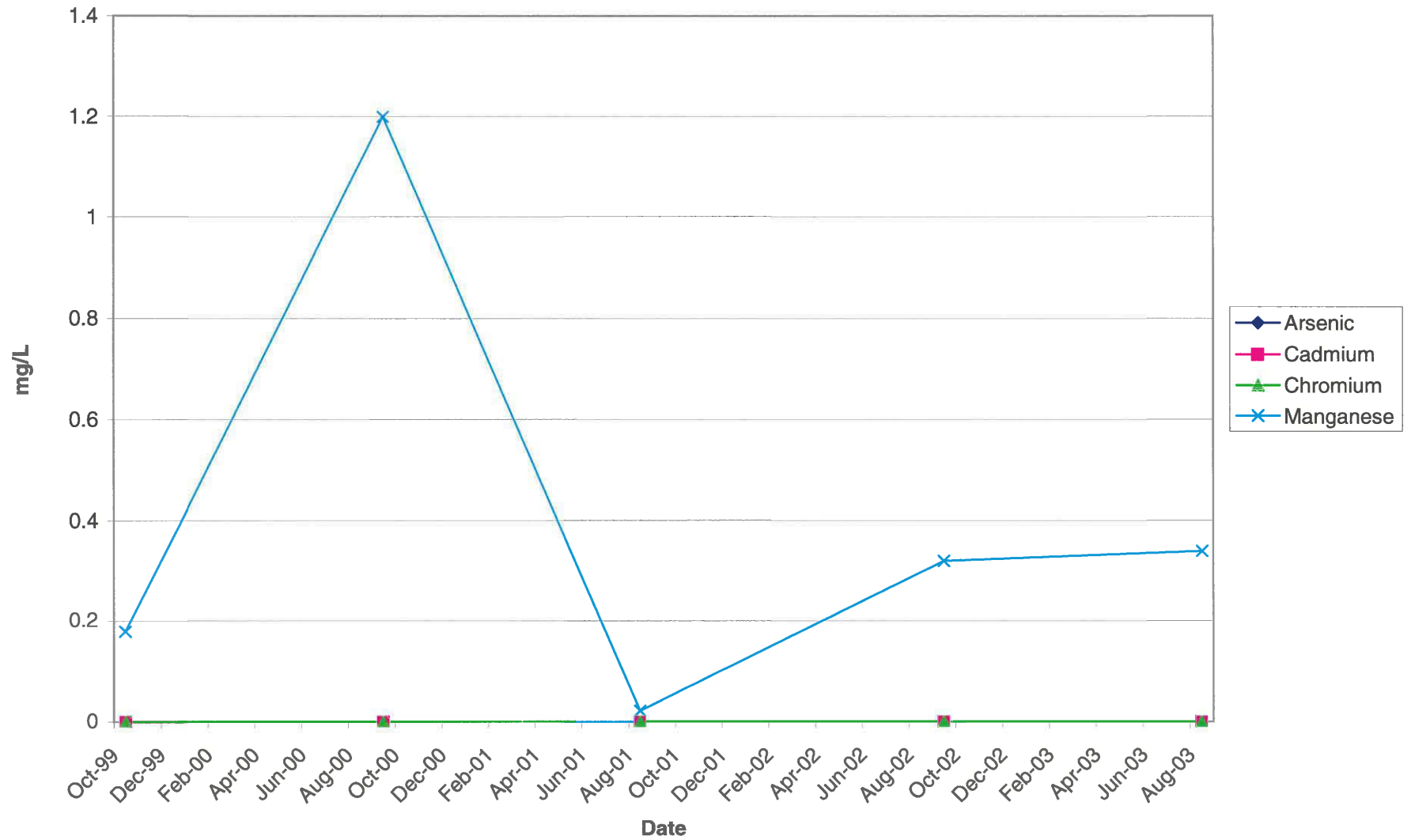
Monitor Well 205-S Metal Concentrations Over Time



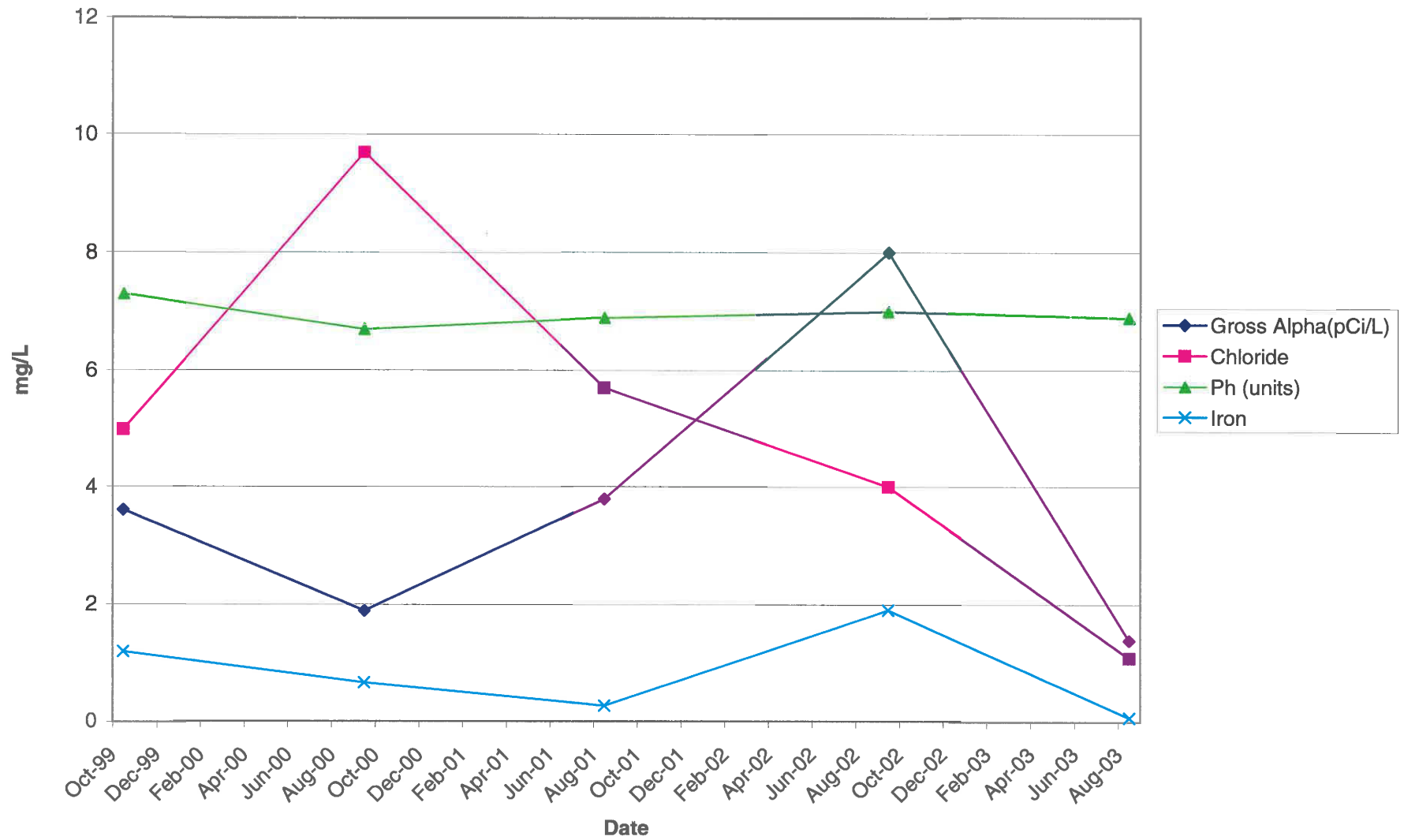
MonitorWell 210-S Metal Concentrations Over Time



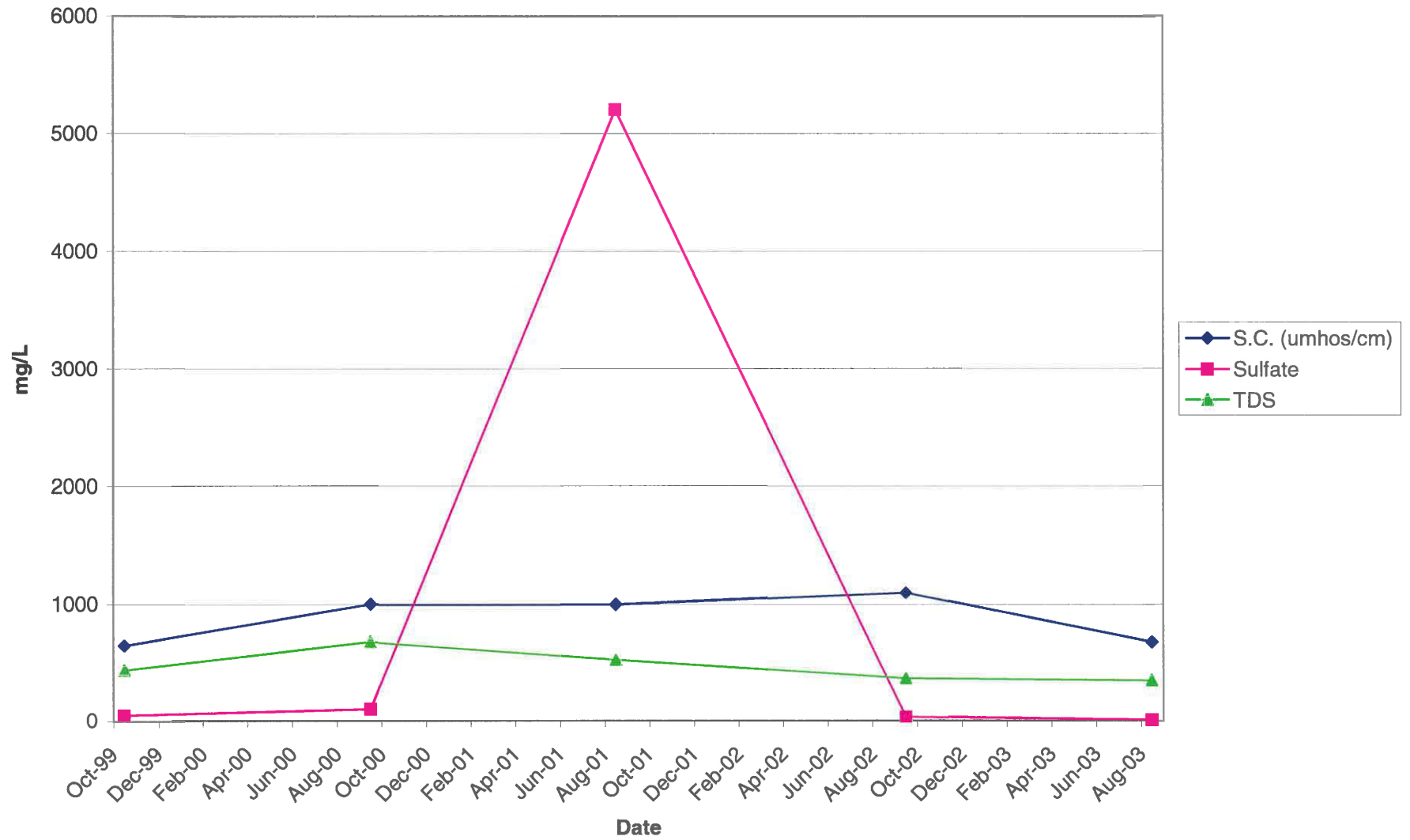
Monitor Well 210-S Metal Concentrations Over Time



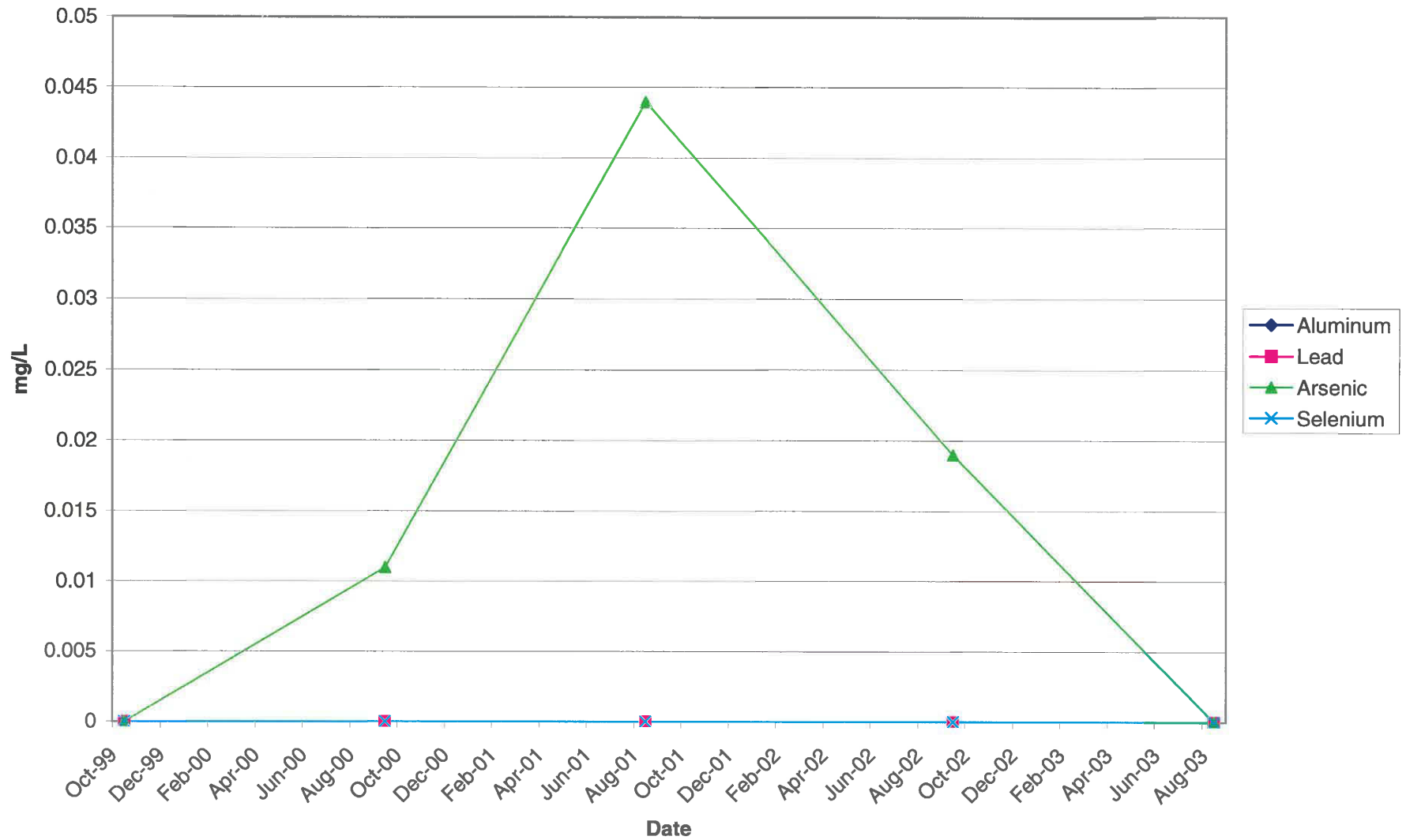
Monitor Well 210-S Metal Concentrations Over Time



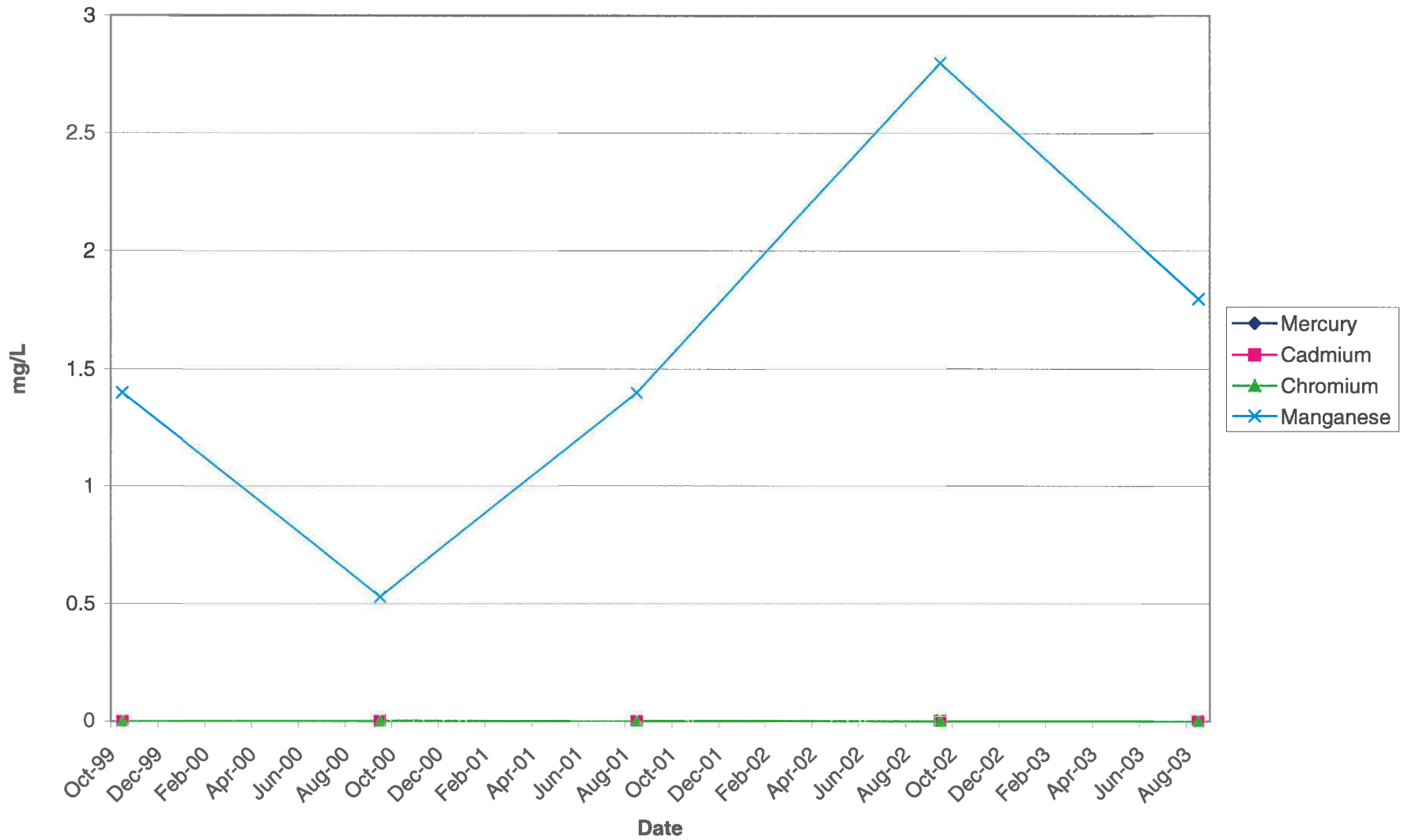
Monitor Well 210-S Metal Concentrations Over Time



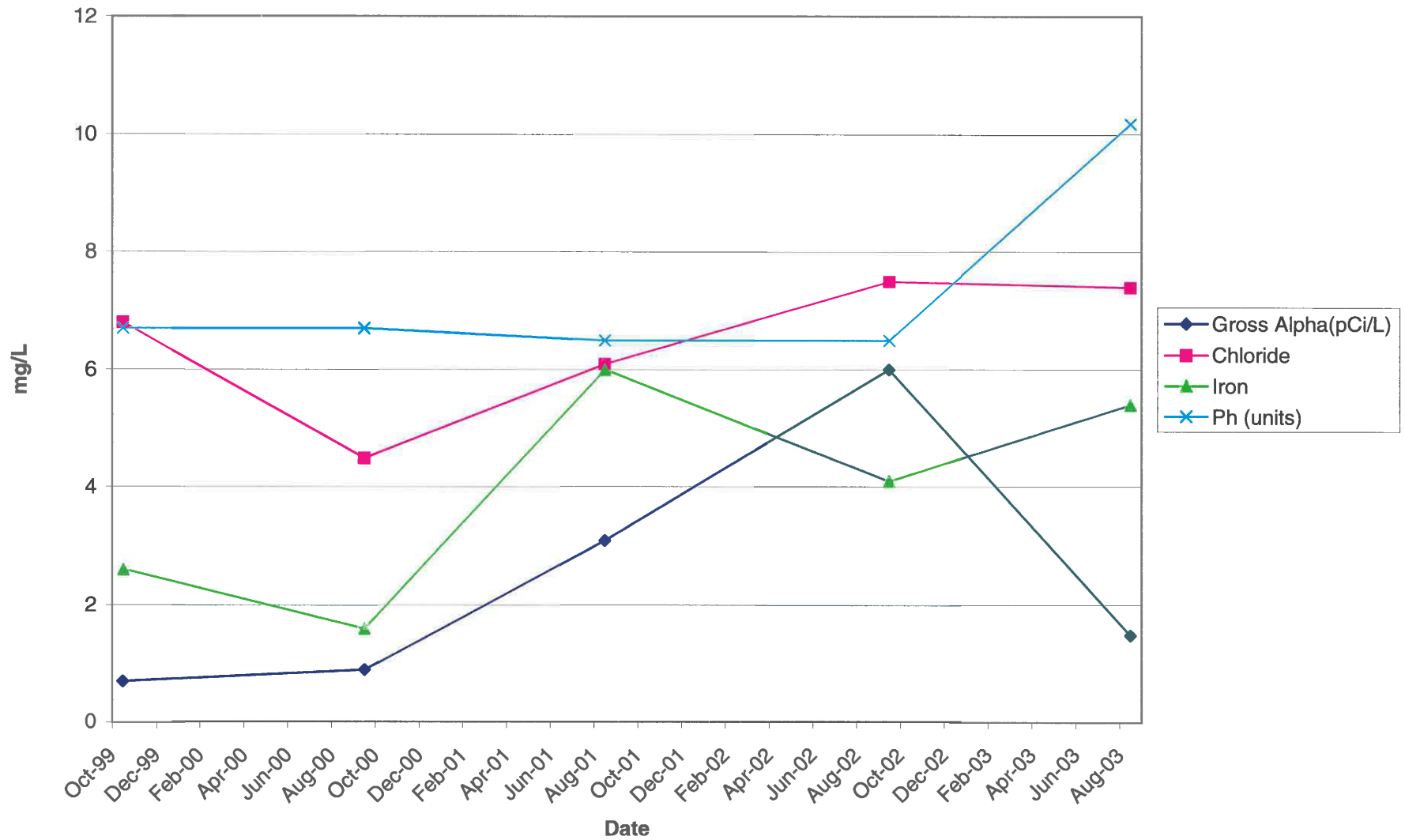
Monitor Well 203-MD Metal Concentrations Over Time



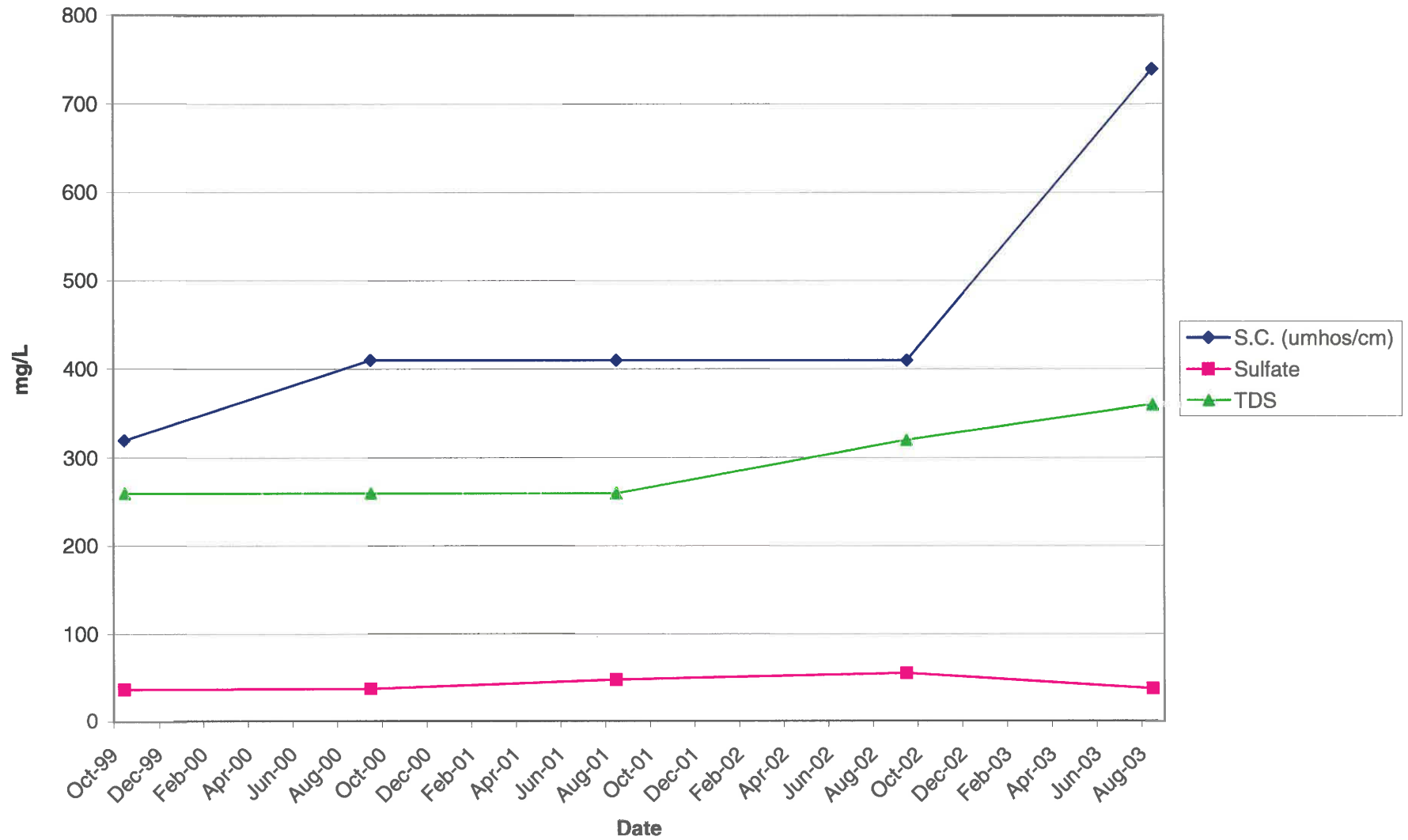
Monitor Well 203-MD Metal Concentrations Over Time



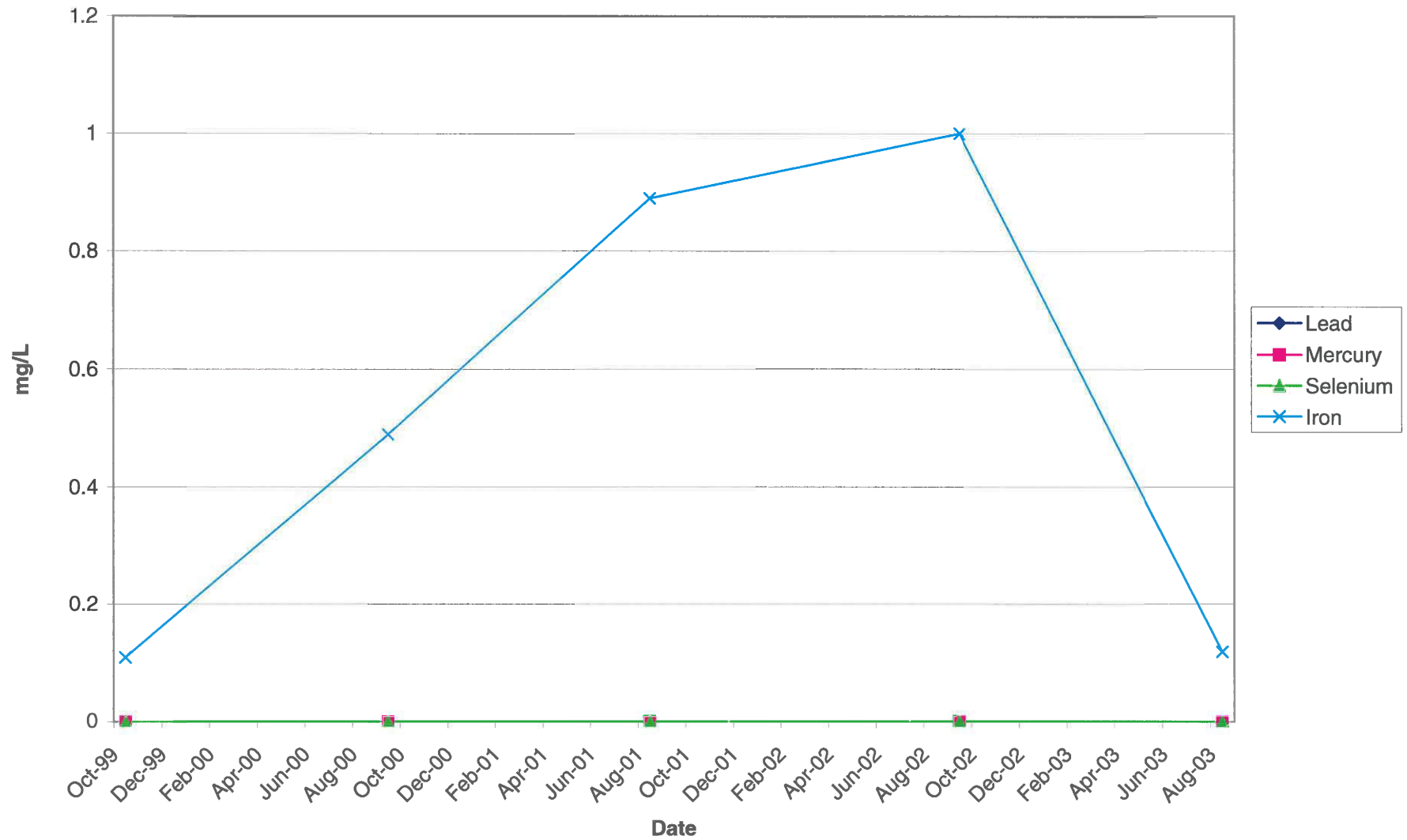
Monitor Well 203-MD Metal Concentrations Over Time



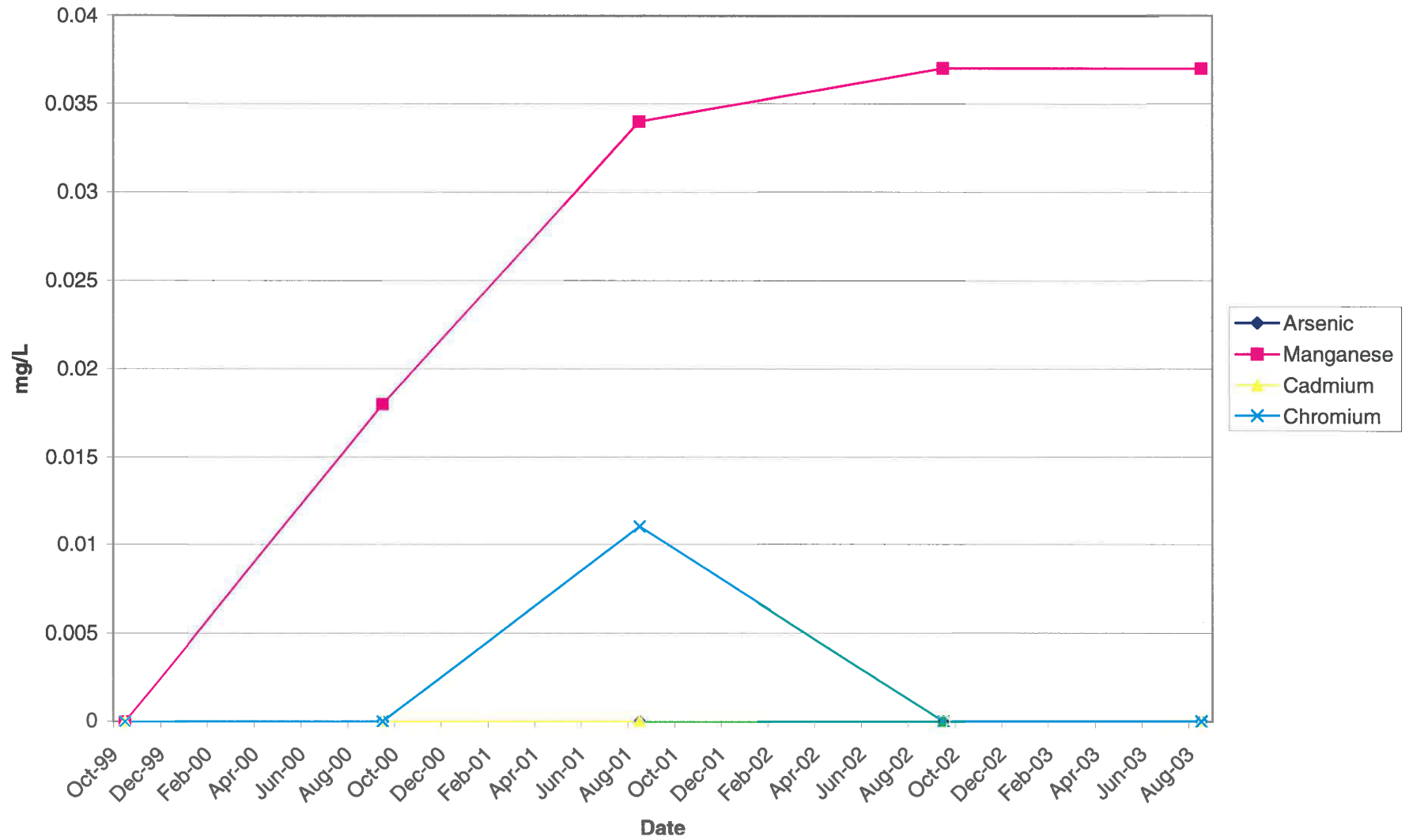
Monitor Well 203-MD Metal Concentrations Over Time



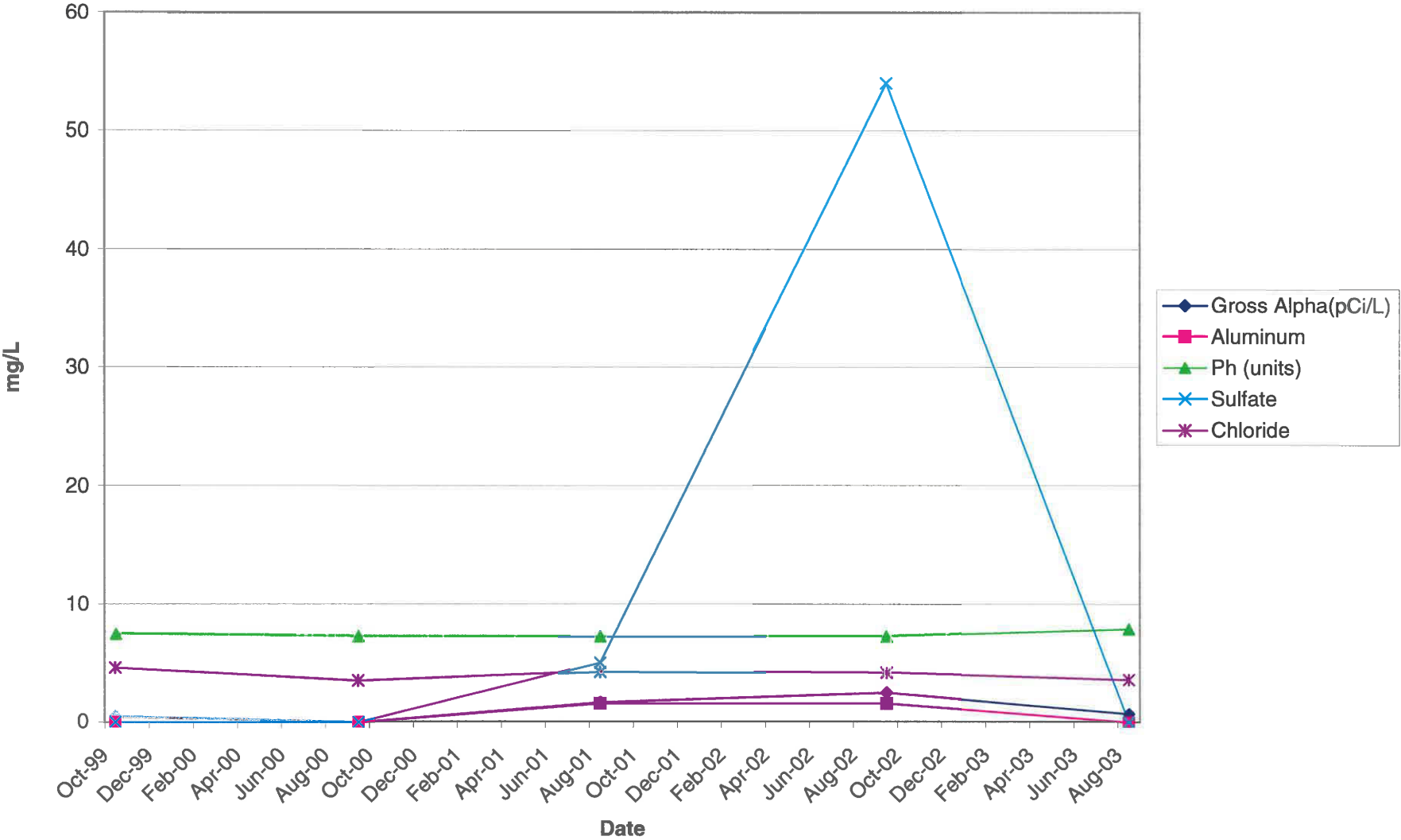
Monitor Well 204-MD Metal Concentrations Over Time



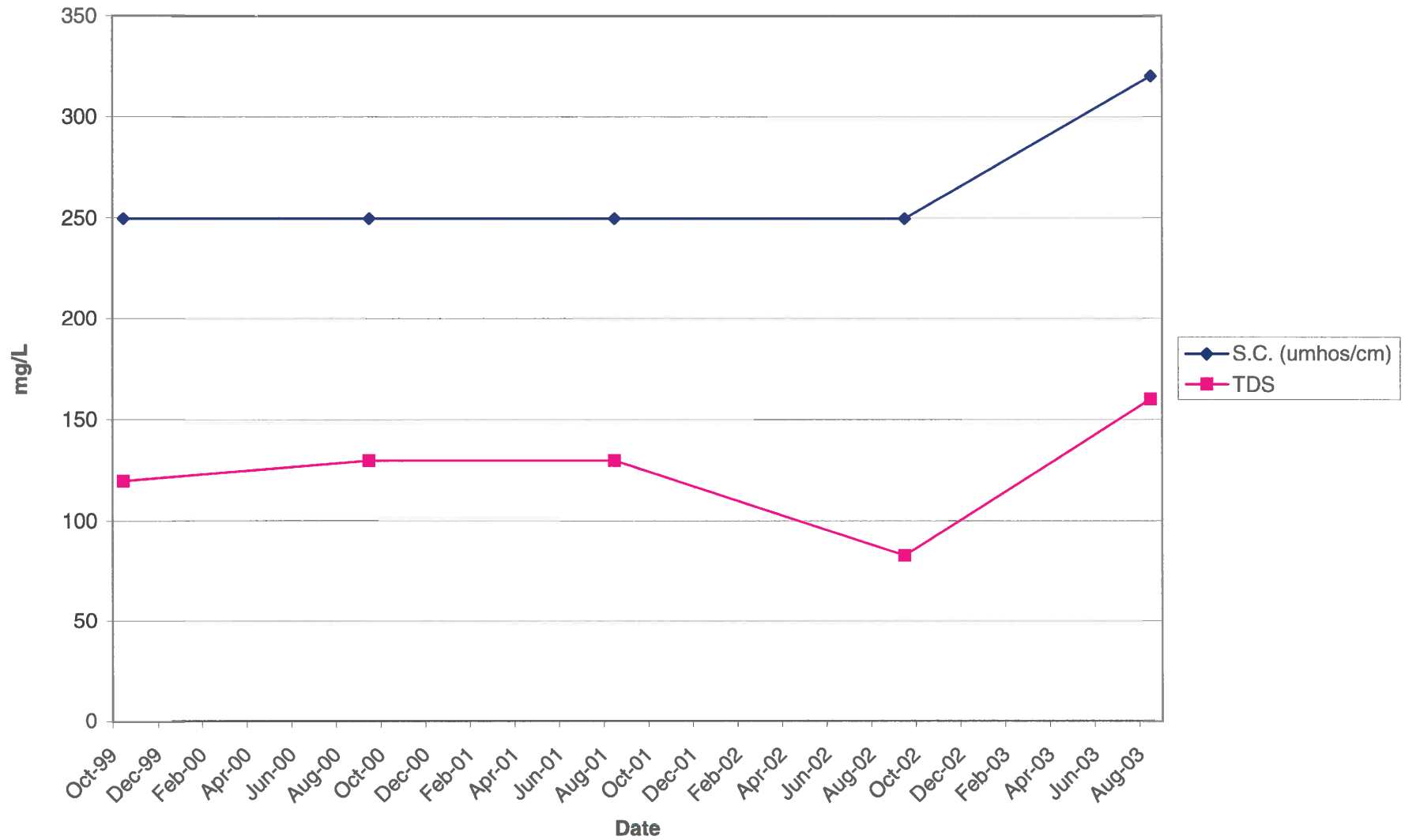
Monitor Well 204-MD Metal Concentrations Over Time



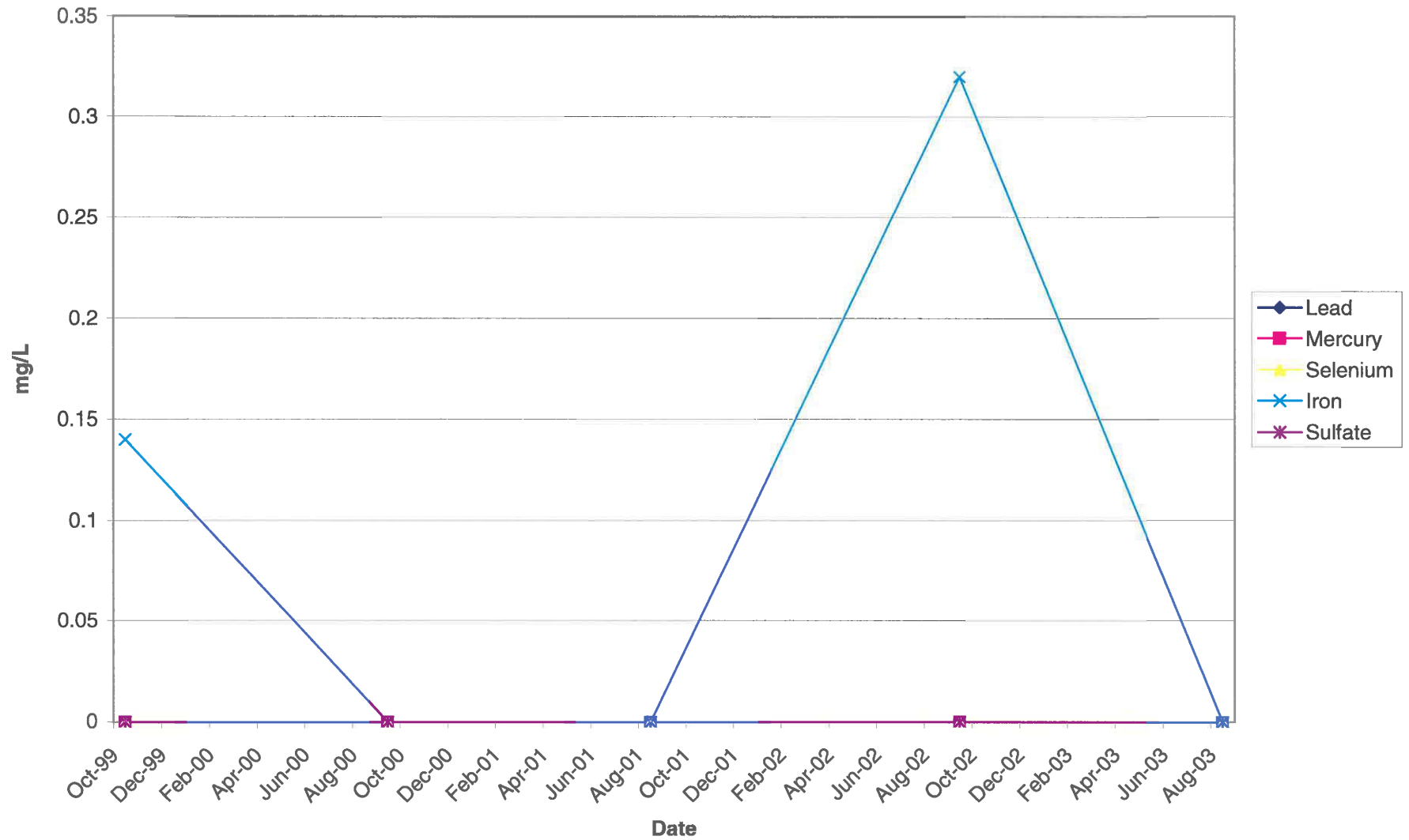
Monitor Well 204-MD Metal Concentrations Over Time



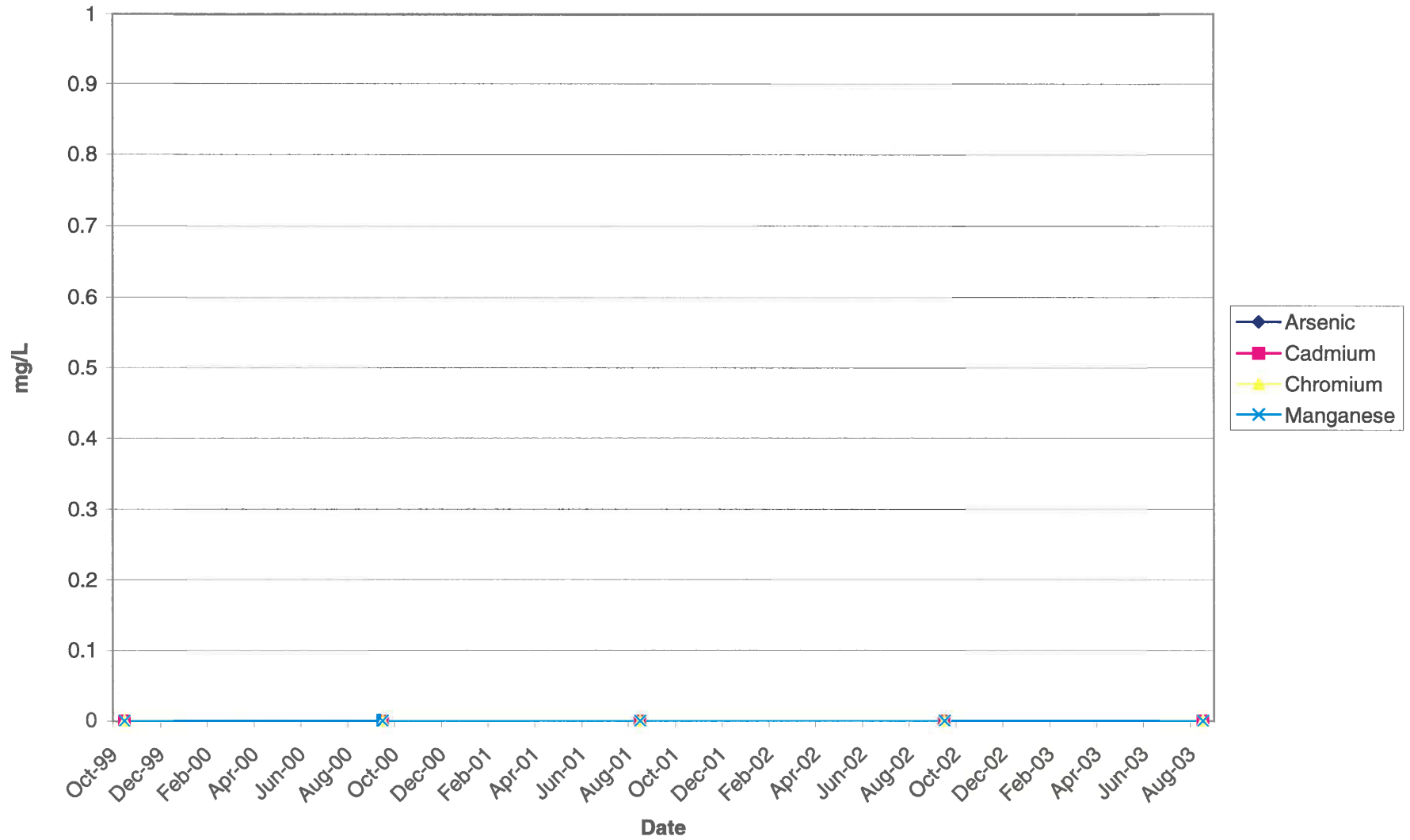
Monitor Well 204-MD Metal Concentrations Over Time



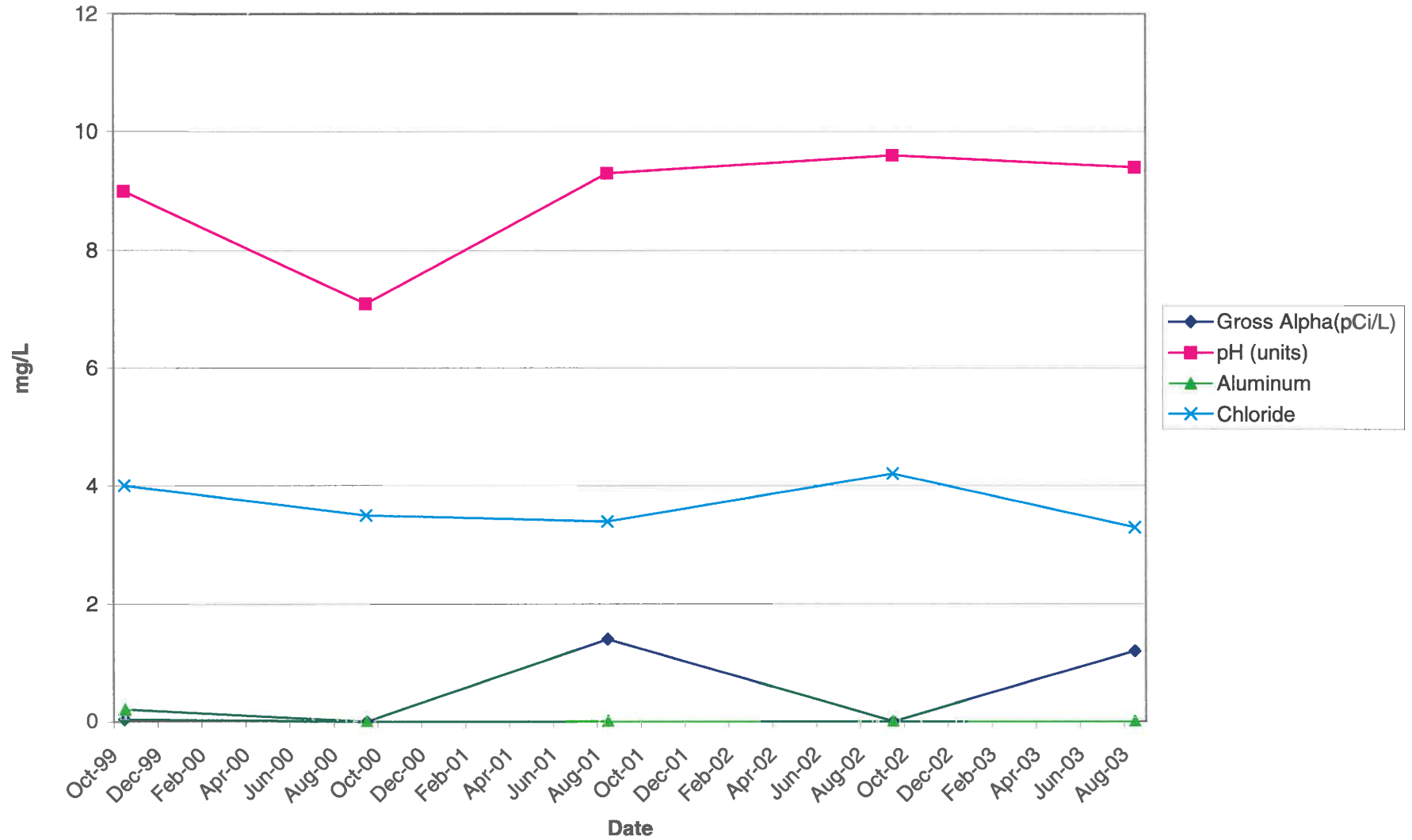
Monitor Well 205-MD Metal Concentrations Over Time



Monitor Well 205-MD Metal Concentrations Over Time



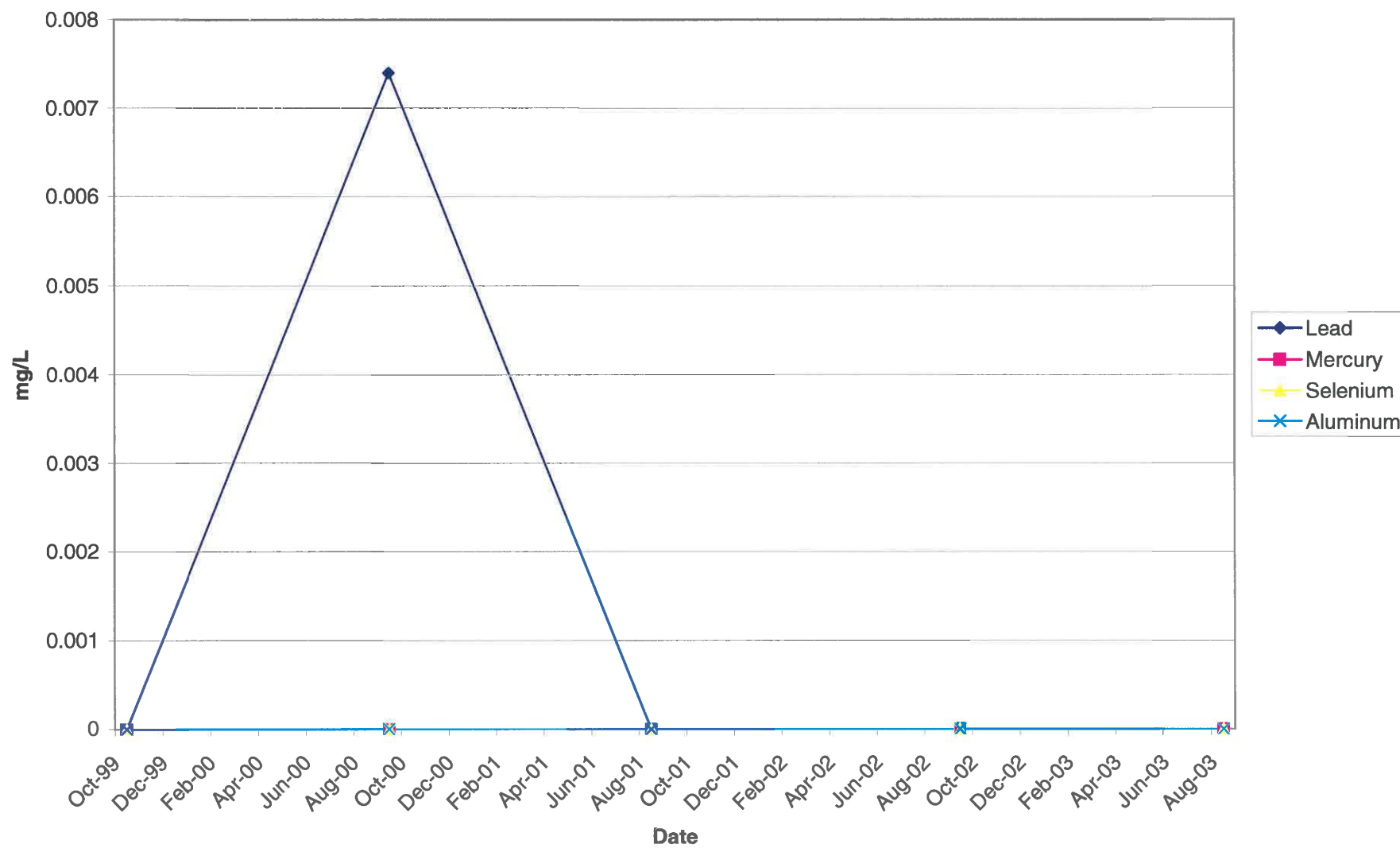
Monitor Well 205-MD Metal Concentrations Over Time



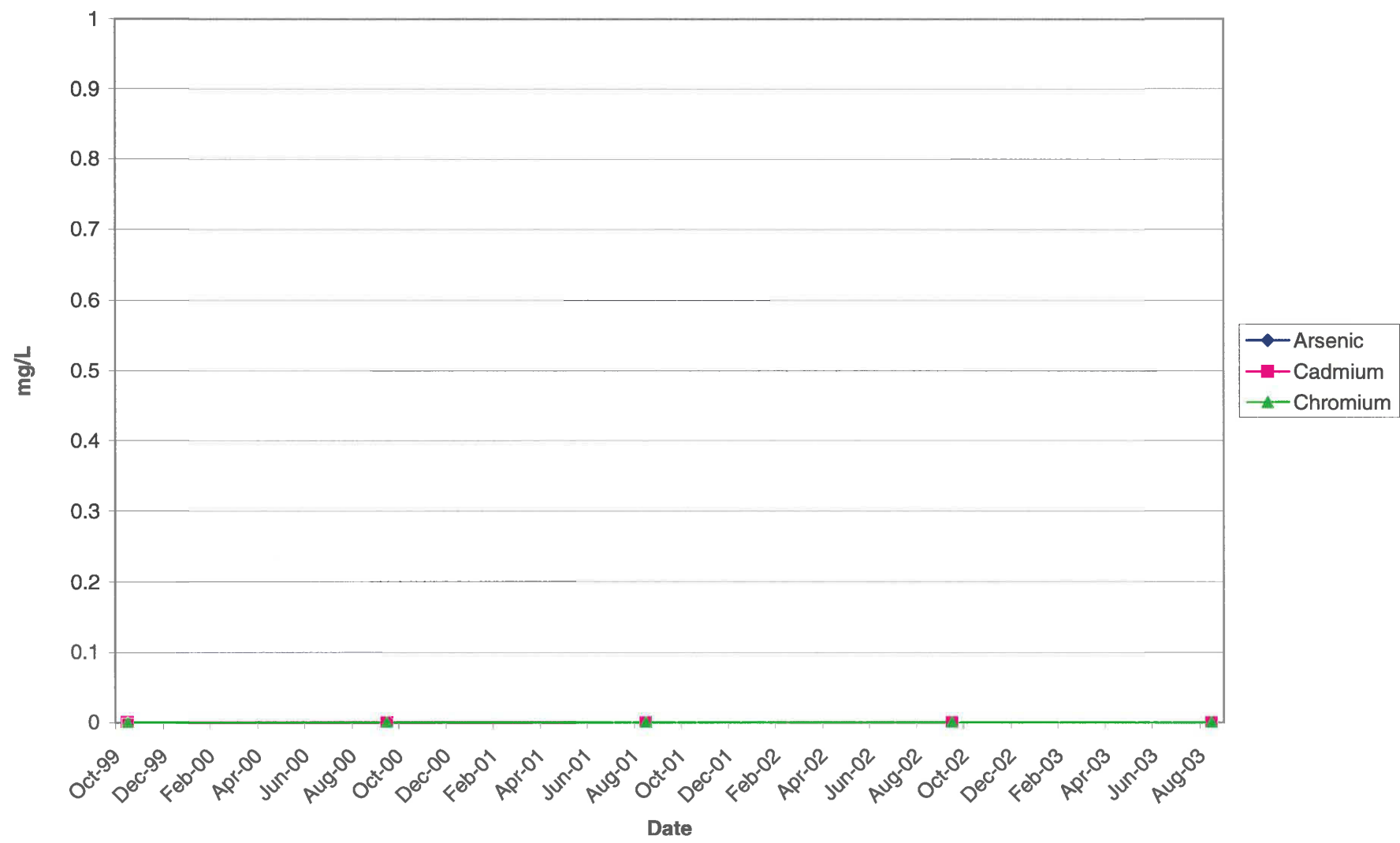
Monitor Well 205-MD Metal Concentrations Over Time



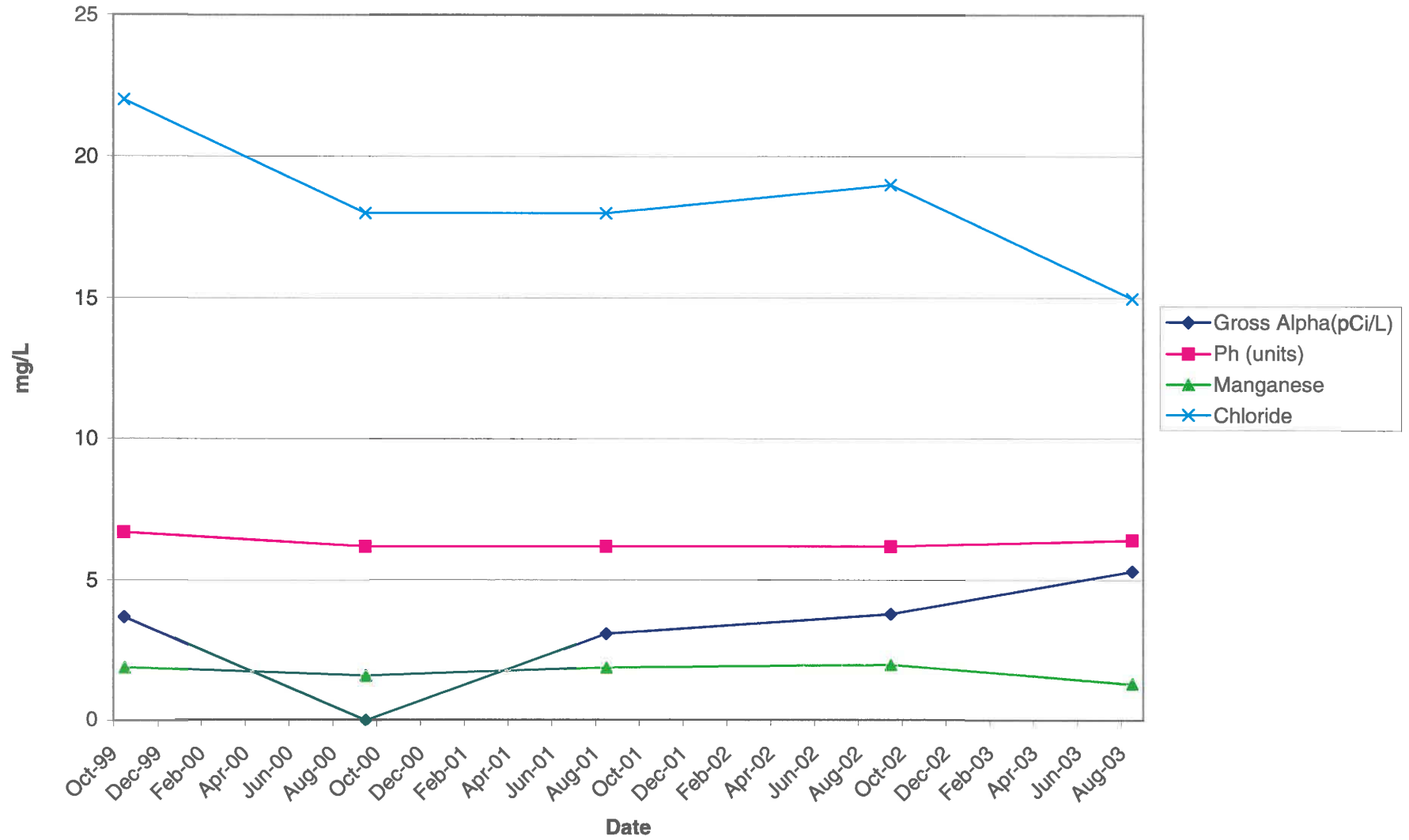
Monitor Well 210-MD Metal Concentrations Over Time



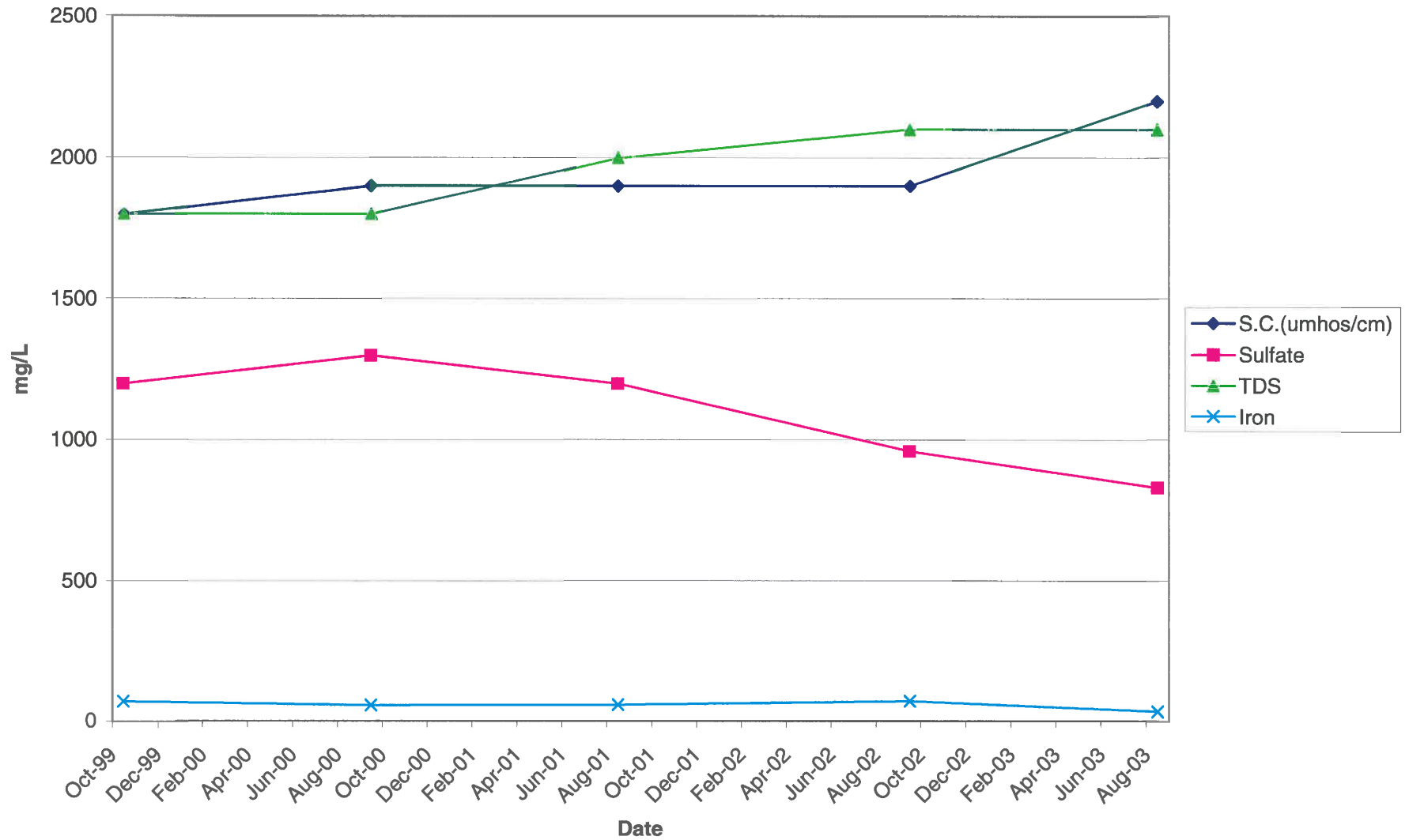
Monitor Well 210-MD Metal Concentrations Over Time



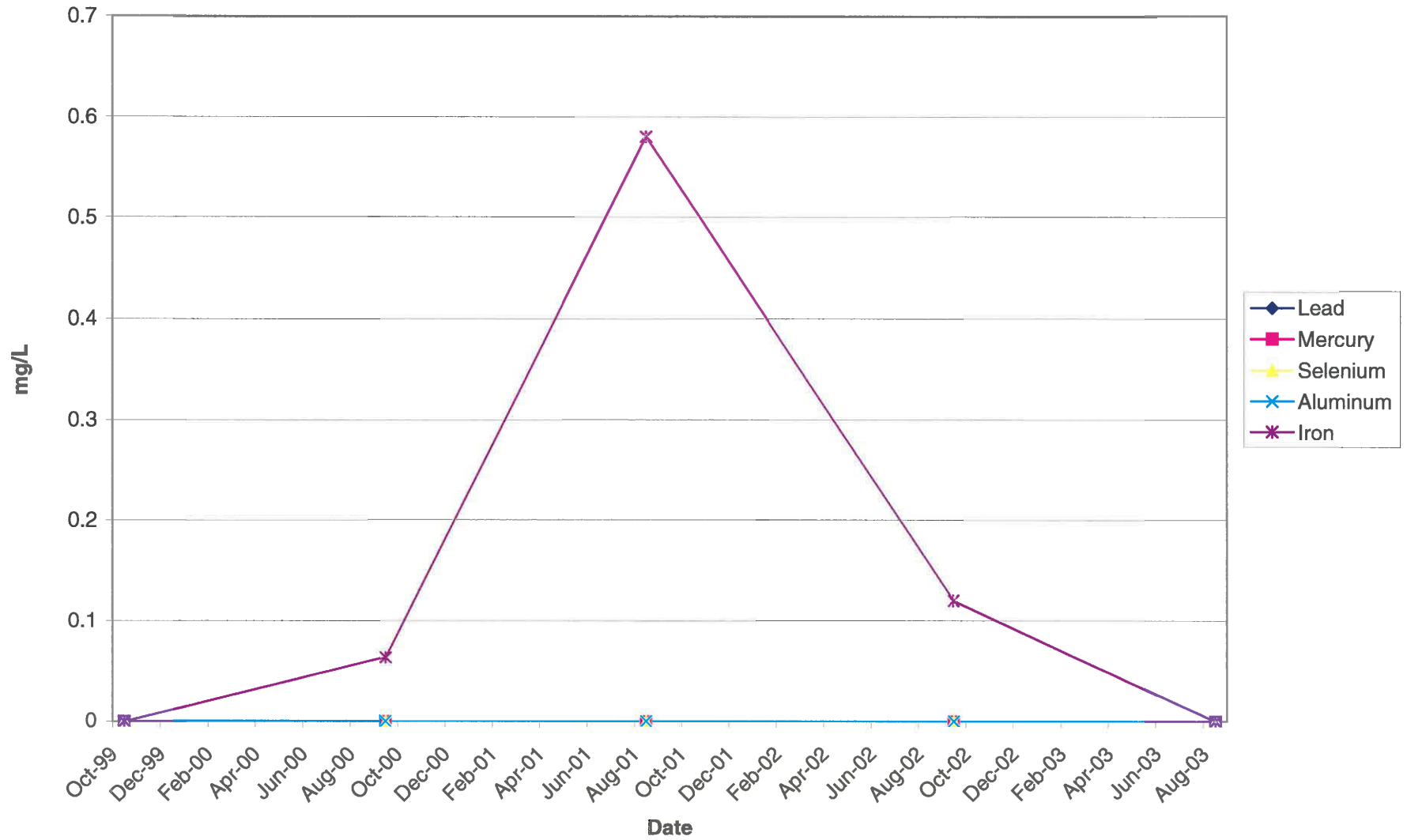
Monitor Well 210-MD Metal Concentrations Over Time



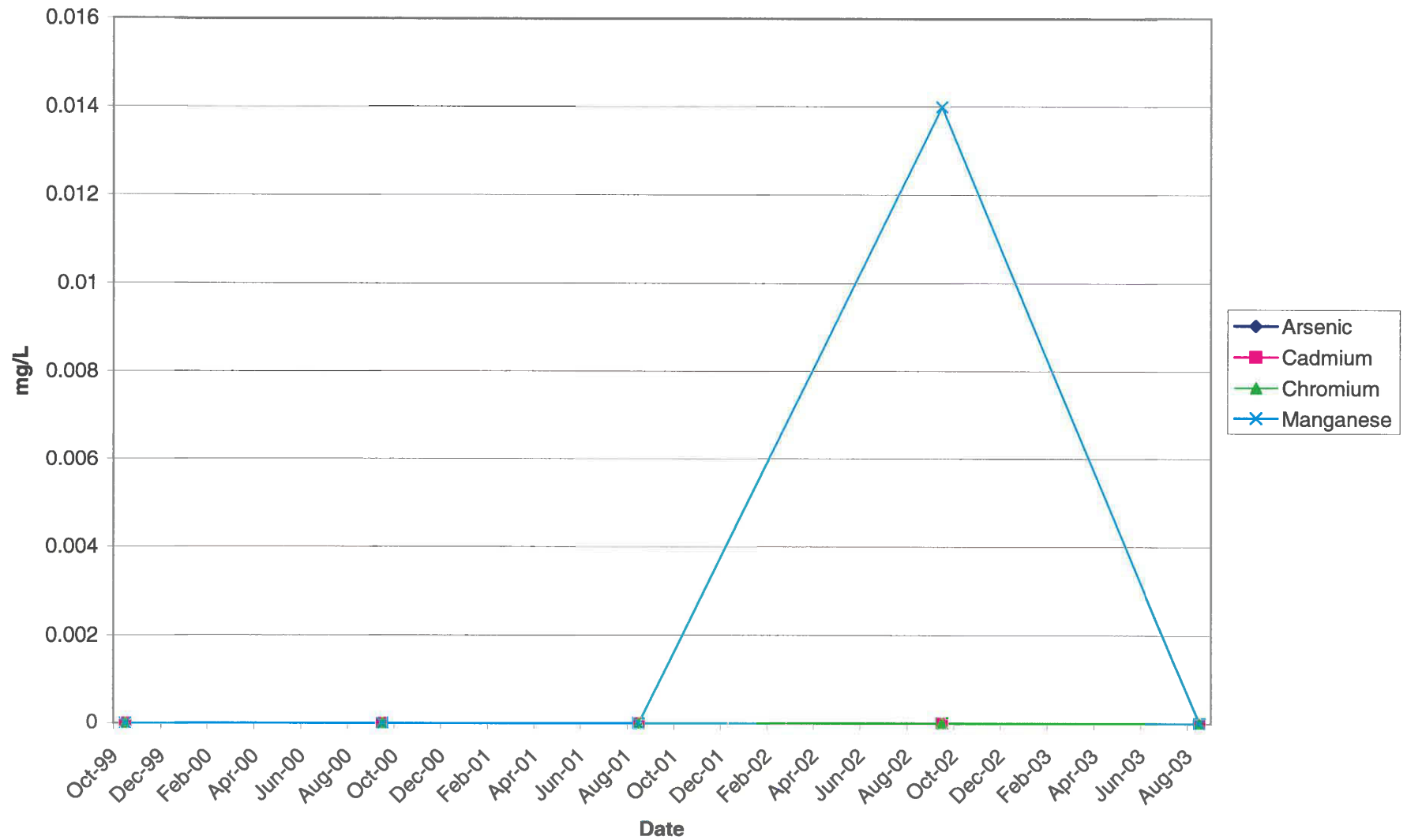
Monitor Well 210-MD Metal Concentrations Over Time



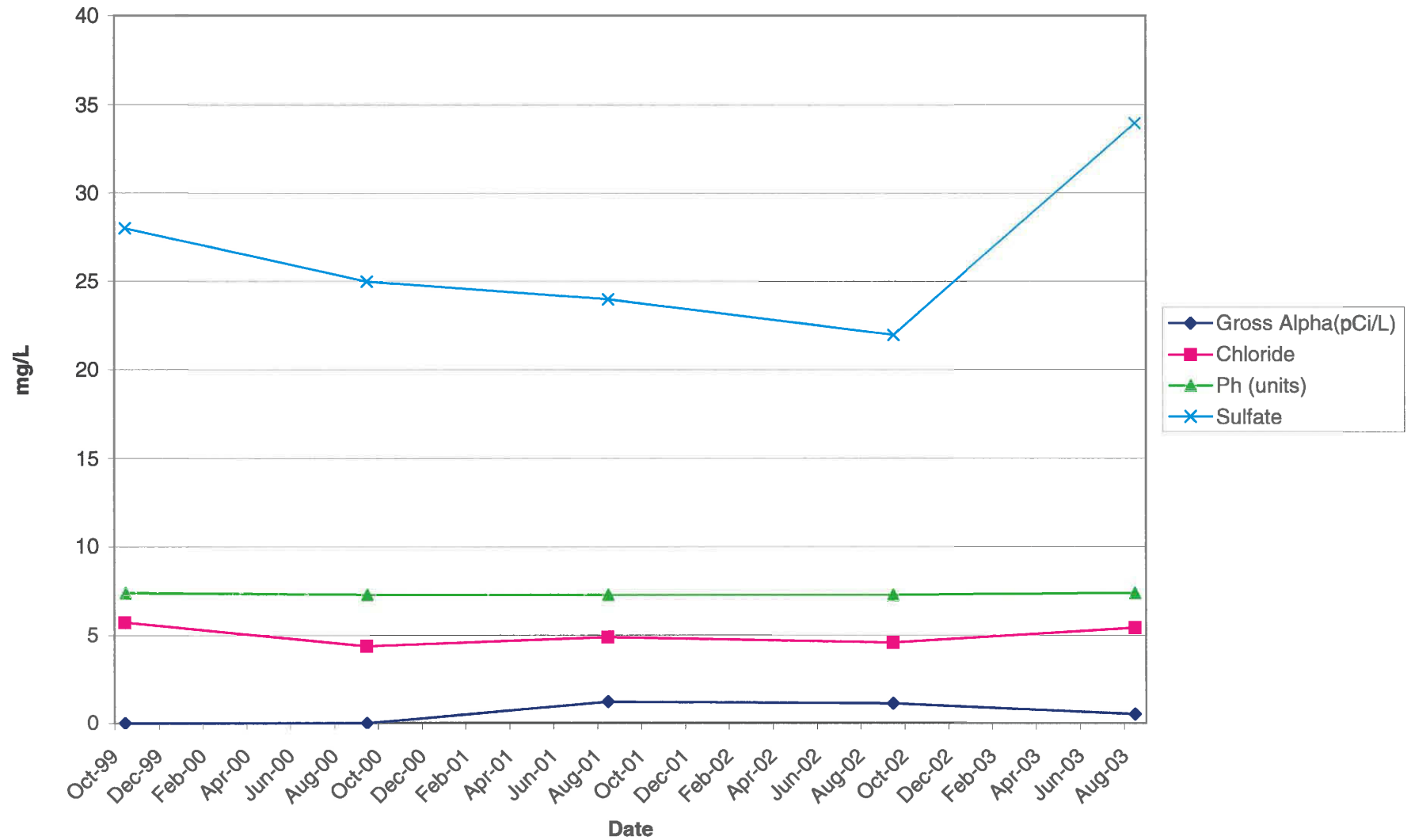
Monitor Well 212-MD Metal Concentrations Over Time



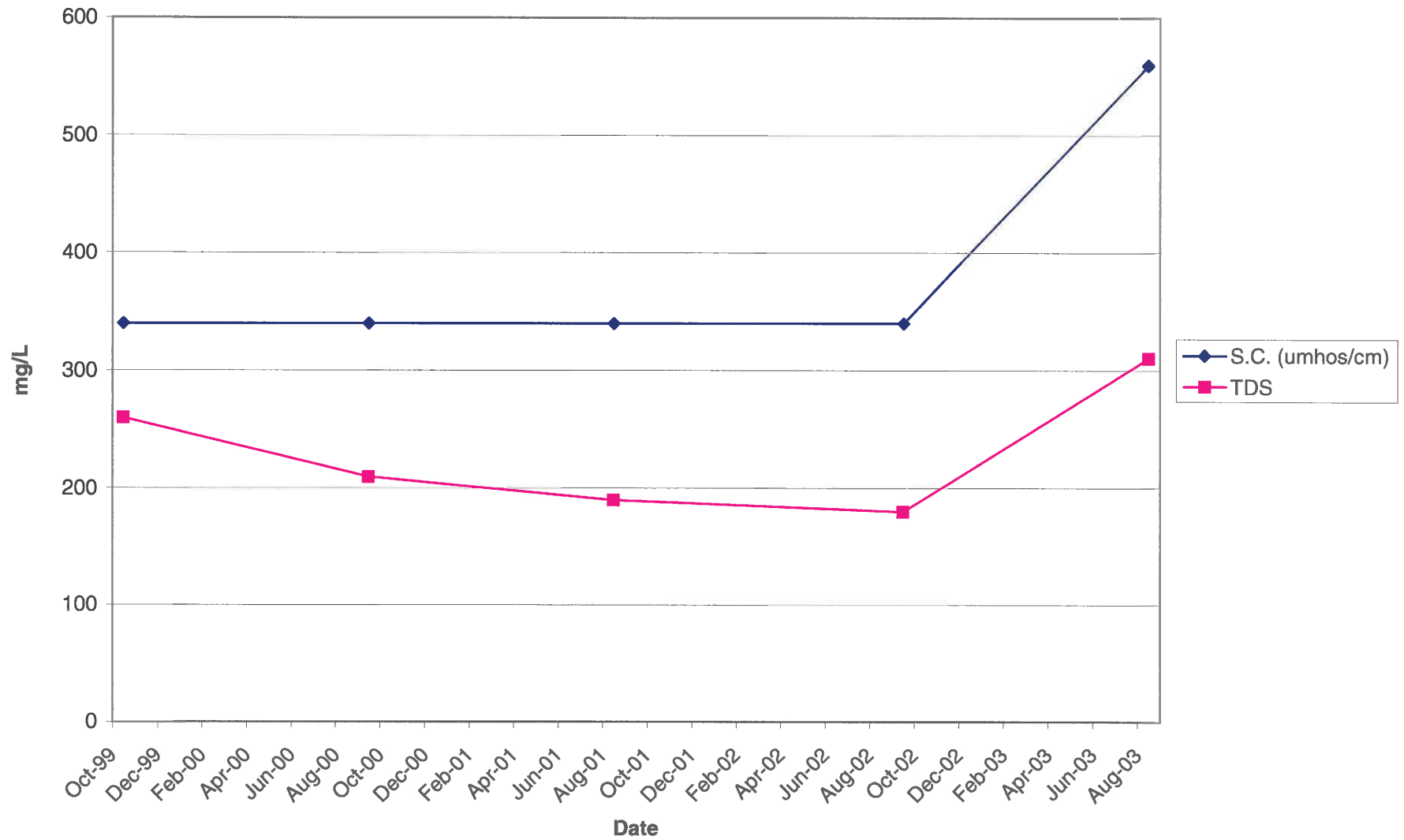
Monitor Well 212-MD Metal Concentrations Over Time



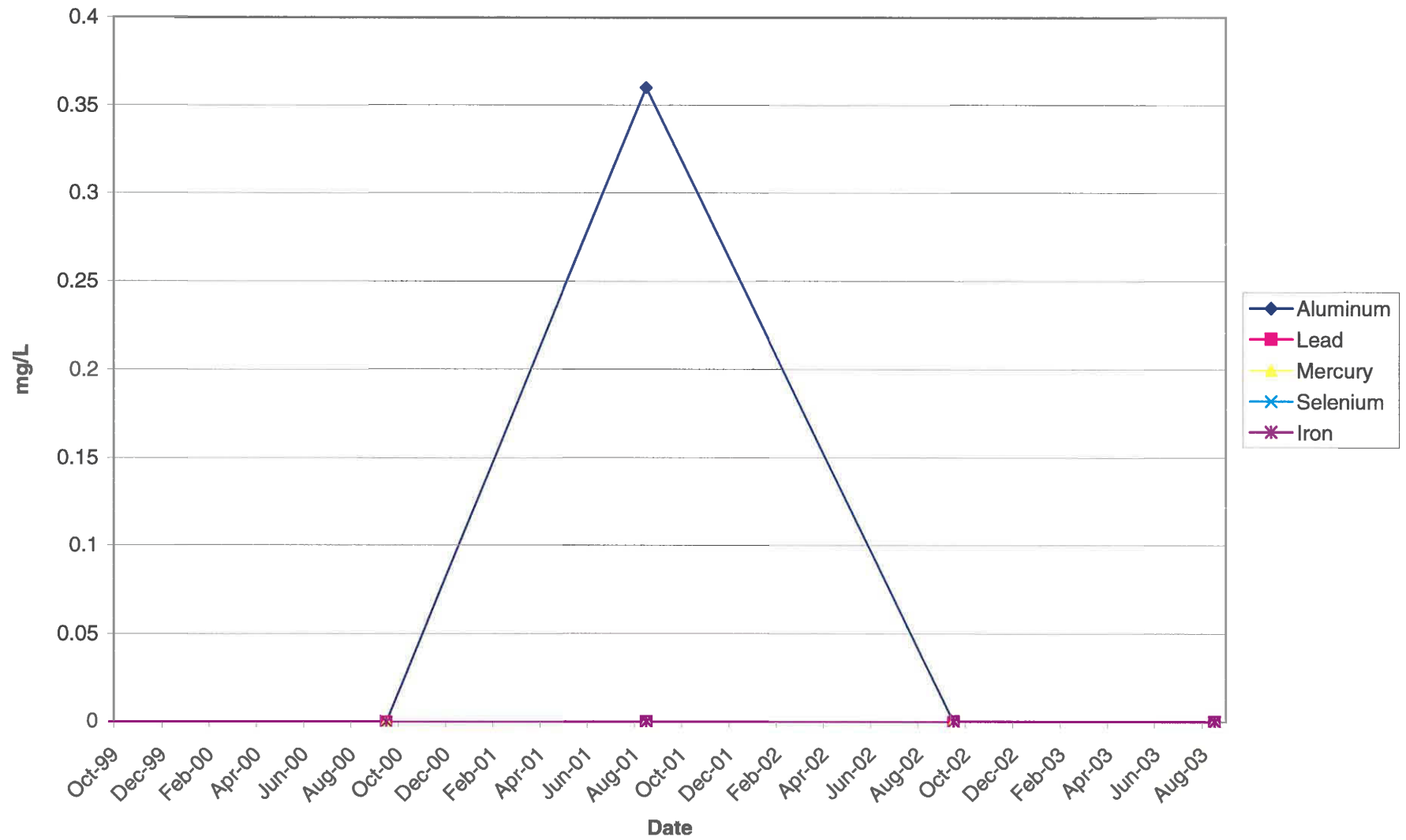
Monitor Well 212-MD Metal Concentrations Over Time



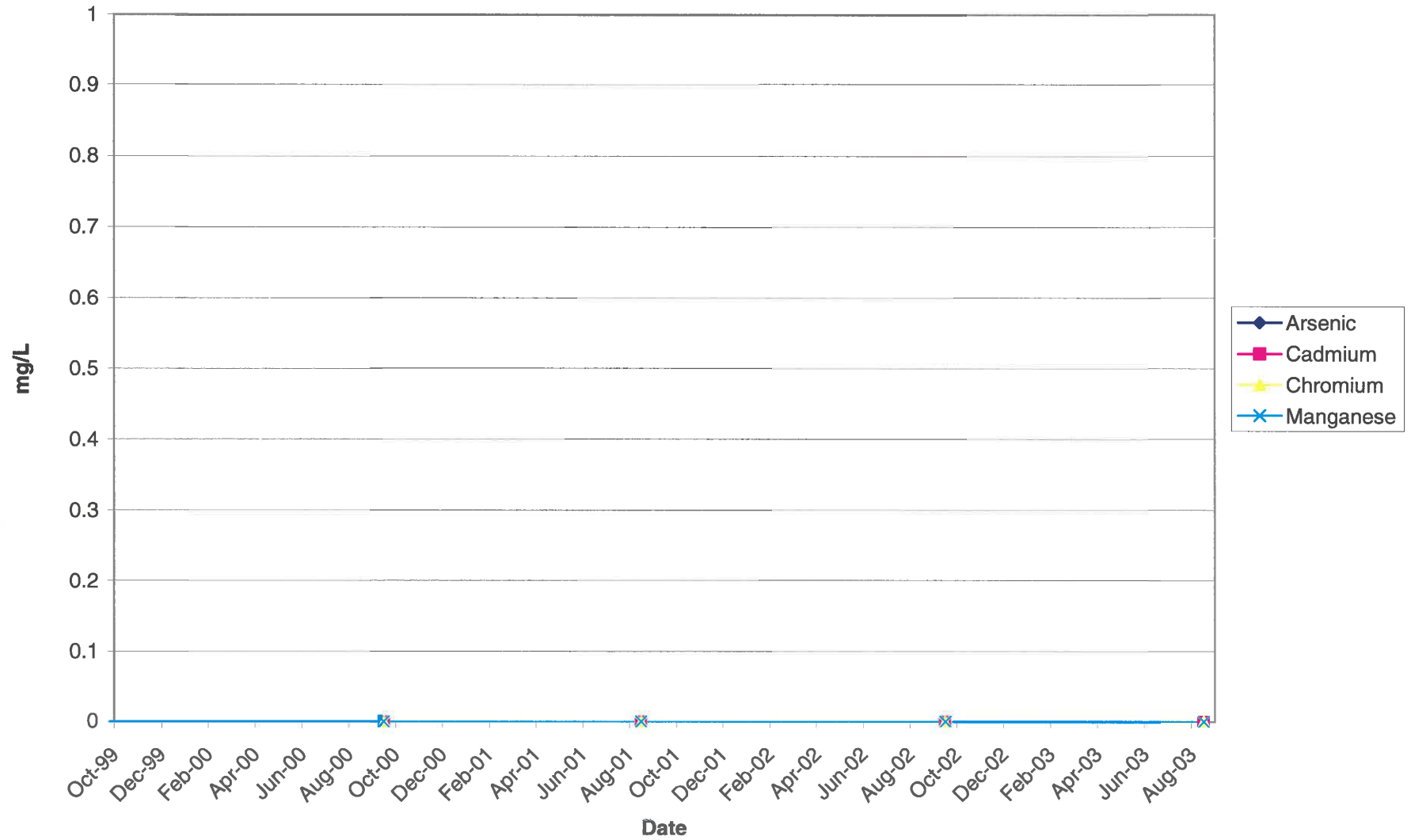
Monitor Well 212-MD Metal Concentrations Over Time



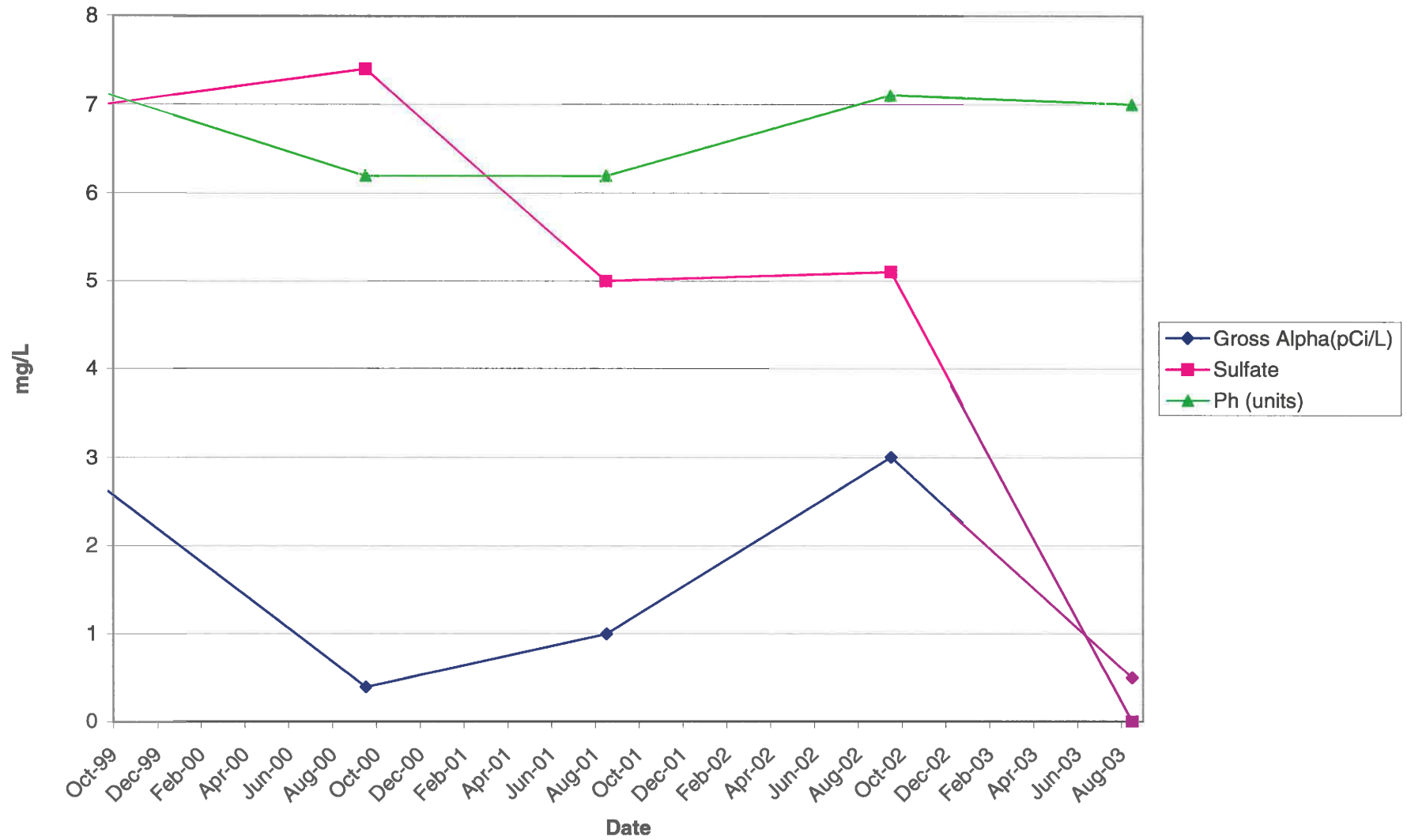
Monitor Well WSW-2 Metal Concentrations Over Time



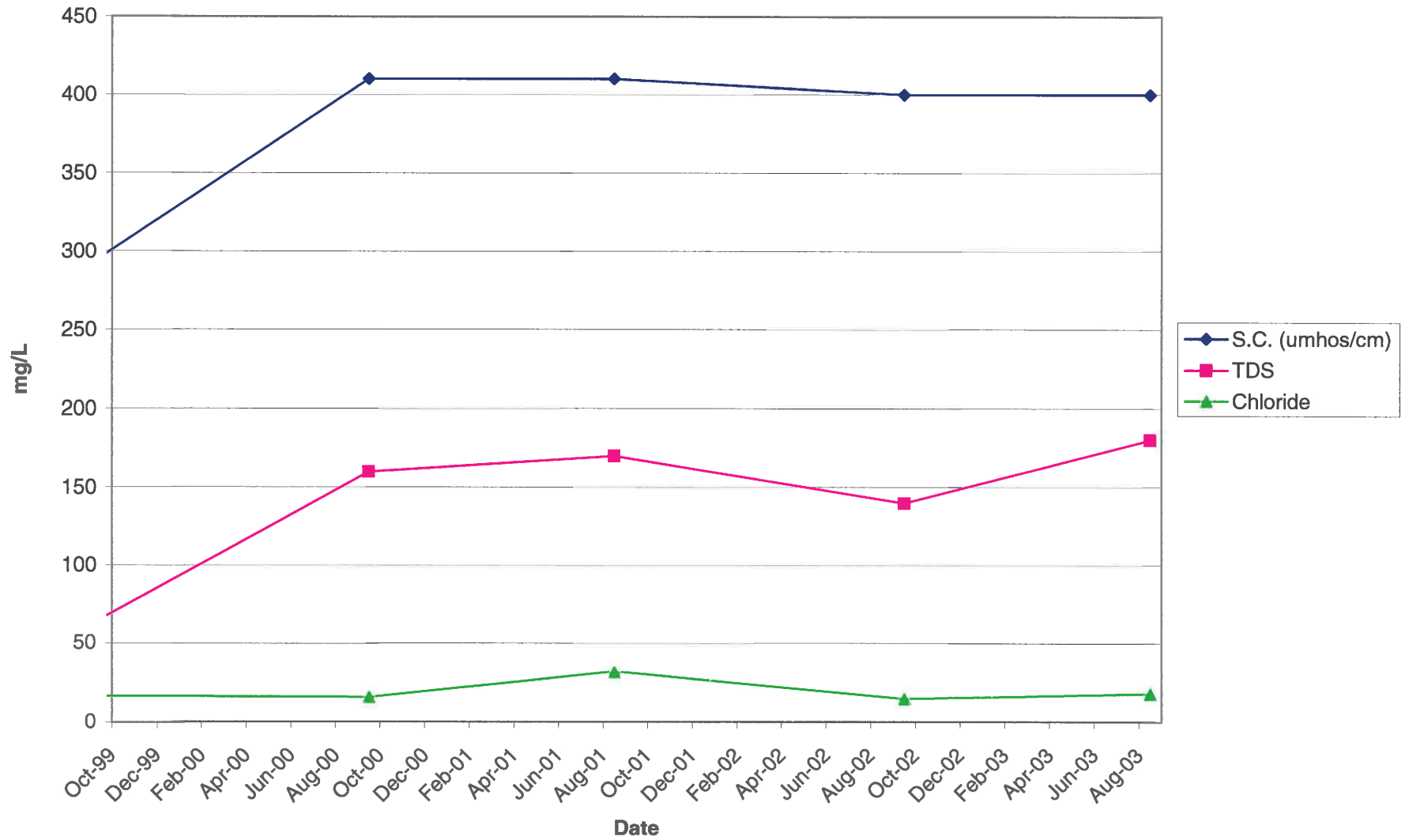
Monitor Well WSW-2 Metal Concentrations Over Time



Monitor Well WSW-2 Metal Concentrations Over Time



Monitor Well WSW-2 Metal Concentrations Over Time



Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)
Form Title <u>Ground Water Monitoring Report</u>
Effective Date _____
DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Gulf Power Company (Scholz Plant)

Address One Energy Place

City Pensacola, FL

Zip 32520-0328

Telephone Number (850) 444-6429

(2) The GMS Identification Number 1037P37371

(3) DEP Permit Number FL0002283

(4) Authorized Representative Name _____

Address _____

City _____

Zip _____

Telephone Number _____

(5) Type of Discharge _____

(6) Method of Discharge _____

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____

Signature of Owner or Authorized Representative _____

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # 890142G

Analytical Lab Comp QAP # /HRS Certification # E87089

*Comp QAP # /HRS Certification # _____

Lab Name STL Mobile

Address 900 Lakeside Dr., Mobile, AL 36693

Phone Number (251) 666-6633

PART III ANALYTICAL RESULTS

M366148*1

Facility GMS#: 1037P37371

Sample Date/Time: 08-07-03 12:39

Test Site ID#: 1032A13170

Report Period: 2003 January - December
(year/quarter)

Well Name: Scholz MW-203S

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 56.63

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	PUMP	N	325.2	08.11.03/1507	7.6 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	PUMP	N	9038	08.12.03/2005	20 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	PUMP	N	160.1	08.14.03/1630	240 mg/l	<5.0 mg/l	4C
001105	Aluminum	PUMP	N	200.7	08.13.03/2145	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
4010	Iron	PUMP	N	200.7	08.13.03/2145	29 mg/l	0.050 mg/l	HNO3
900212	Lead	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	PUMP	N	200.7	08.13.03/2145	2.4 mg/l	0.010 mg/l	HNO3
900214	Selenium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900213	Mercury	PUMP	N	245.1	08.13.03/1753	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	PUMP	N	900.0	08.25.03/0800	2.1+/-0.7 pCi/l	---	N/A
000400	Field pH	PUMP	N	150.1	08.07.03/1244	6.5 units	---	N/A
000095	Specific Conductance (Taken in Fiel	PUMP	N	120.1	08.07.03/1244	620 umhos/cm	---	N/A
082078	Turbidity (taken in field)	PUMP	N	180.1	08.07.03/1244	29 NTU	---	N/A
082545	Depth to Groundwater from T.O.C.	PUMP	N	EPASOP	08.07.03/1244	6.15 ft.	---	N/A

Attach Laboratory Reports

PART III ANALYTICAL RESULTS

M366148*2

Facility GMS#: 1037P37371

Sample Date/Time: 08-07-03 12:39

Test Site ID#: 1032A13165

Report Period: 2003 January - December
(year/quarter)

Well Name: Scholz MW-203MD

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 52.94

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	PUMP	N	325.2	08.11.03/1504	7.4 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	PUMP	N	9038	08.12.03/2005	38 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	PUMP	N	160.1	08.14.03/1630	360 mg/l	<5.0 mg/l	4C
001105	Aluminum	PUMP	N	200.7	08.13.03/2145	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
4010	Iron	PUMP	N	200.7	08.13.03/2145	5.4 mg/l	0.050 mg/l	HNO3
900212	Lead	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	PUMP	N	200.7	08.13.03/2145	1.8 mg/l	0.010 mg/l	HNO3
900214	Selenium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900213	Mercury	PUMP	N	245.1	08.13.03/1753	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	PUMP	N	900.0	08.25.03/0800	1.5+/-0.6 pCi/l	---	N/A
000400	Field pH	PUMP	N	150.1	08.07.03/1239	10.19 units	---	N/A
000095	Specific Conductance (Taken in Fiel	PUMP	N	120.1	08.07.03/1239	740 umhos/cm	---	N/A
082078	Turbidity (taken in field)	PUMP	N	180.1	08.07.03/1239	11 NTU	---	N/A
082545	Depth to Groundwater from T.O.C.	PUMP	N	EPASOP	08.07.03/1239	10.19 ft.	---	N/A

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PART III ANALYTICAL RESULTS

M366148*3

Facility GMS#: 1037P37371

Sample Date/Time: 08-07-03 10:35

Test Site ID#: 1032A13171

Report Period: 2003 January - December
(year/quarter)

Well Name: Scholz MW-204S

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☐ Background
☒ Intermediate
☐ Compliance
☐ Other

Groundwater Elevation(NGVD): 99.49

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	PUMP	N	325.2	08.11.03/1507	7.3 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	PUMP	N	9038	08.12.03/2005	28 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	PUMP	N	160.1	08.14.03/1630	310 mg/l	<5.0 mg/l	4C
001105	Aluminum	PUMP	N	200.7	08.13.03/2145	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
4010	Iron	PUMP	N	200.7	08.13.03/2145	9.2 mg/l	0.050 mg/l	HNO3
900212	Lead	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	PUMP	N	200.7	08.13.03/2145	1.0 mg/l	0.010 mg/l	HNO3
900214	Selenium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900213	Mercury	PUMP	N	245.1	08.13.03/1753	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	PUMP	N	900.0	08.25.03/0800	2.0+/-0.6 pCi/l	---	N/A
000400	Field pH	PUMP	N	150.1	08.07.03/1035	8.40 units	---	N/A
000095	Specific Conductance (Taken in Field)	PUMP	N	120.1	08.07.03/1035	660 umhos/cm	---	N/A
082078	Turbidity (taken in field)	PUMP	N	180.1	08.07.03/1035	12 NTU	---	N/A
082545	Depth to Groundwater from T.O.C.	PUMP	N	EPASOP	08.07.03/1035	8.40 ft.	---	N/A

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PART III ANALYTICAL RESULTS

M366148*4

Facility GMS#: 1037P37371

Sample Date/Time: 08-07-03 10:54

Test Site ID#: 1032A13166

Report Period: 2003 January - December
(year/quarter)

Well Name: Scholz MW-204MD

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 53.03

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	PUMP	N	325.2	08.11.03/1504	3.6 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	PUMP	N	9038	08.12.03/2005	<5.0 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	PUMP	N	160.1	08.14.03/1630	160 mg/l	<5.0 mg/l	4C
001105	Aluminum	PUMP	N	200.7	08.13.03/2145	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
1010	Iron	PUMP	N	200.7	08.13.03/2145	0.12 mg/l	0.050 mg/l	HNO3
900212	Lead	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900214	Selenium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900213	Mercury	PUMP	N	245.1	08.13.03/1753	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	PUMP	N	900.0	08.25.03/0800	0.7+/-0.4 pCi/l	---	N/A
000400	Field pH	PUMP	N	150.1	08.07.03/1054	7.9 units	---	N/A
000095	Specific Conductance (Taken in Field)	PUMP	N	120.1	08.07.03/1054	320 umhos/cm	---	N/A
082078	Turbidity (taken in field)	PUMP	N	180.1	08.07.03/1054	15 NTU	---	N/A
082545	Depth to Groundwater from T.O.C.	PUMP	N	EPASOP	08.07.03/1054	54.98 ft.	---	N/A

Attach Laboratory Reports

PART III ANALYTICAL RESULTS

M366148*5

Facility GMS#: 1037P37371

Sample Date/Time: 08-07-03 09:50

Test Site ID#: 1032A13172

Report Period: 2003 January - December
(year/quarter)

Well Name: Scholz MW-205S

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☒ Background
☐ Intermediate
☐ Compliance
☐ Other

Groundwater Elevation(NGVD): 127.19

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	PUMP	N	325.2	08.11.03/1507	4.4 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	PUMP	N	9038	08.12.03/2005	<5.0 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	PUMP	N	160.1	08.14.03/1630	30 mg/l	<5.0 mg/l	4C
001105	Aluminum	PUMP	N	200.7	08.13.03/2145	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
1010	Iron	PUMP	N	200.7	08.13.03/2145	<0.050 mg/l	0.050 mg/l	HNO3
900212	Lead	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900214	Selenium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900213	Mercury	PUMP	N	245.1	08.13.03/1753	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	PUMP	N	900.0	08.25.03/0800	0.4+/-0.5 pCi/l	---	N/A
000400	Field pH	PUMP	N	150.1	08.07.03/0950	7.1 units	---	N/A
000095	Specific Conductance (Taken in Fiel	PUMP	N	120.1	08.07.03/0950	40 umhos/cm	---	N/A
082078	Turbidity (taken in field)	PUMP	N	180.1	08.07.03/0950	8.1 NTU	---	N/A
082545	Depth to Groundwater from T.O.C.	PUMP	N	EPASOP	08.07.03/0950	7.06 ft.	---	N/A

* Attach Laboratory Reports

PART III ANALYTICAL RESULTS

M366148*6

Facility GMS#: 1037P37371

Sample Date/Time: 08-07-03 09:53

Test Site ID#: 1032A12167

Report Period: 2003 January - December
(year/quarter)

Well Name: Scholz MW-205MD

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☒ Background
☐ Intermediate
☐ Compliance
☐ Other

Groundwater Elevation(NGVD): 58.21

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	PUMP	N	325.2	08.11.03/1504	3.3 mg/l	1.0 mg/l	4C
000945	Sulfate as SO ₄	PUMP	N	9038	08.12.03/2005	<5.0 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	PUMP	N	160.1	08.14.03/1630	150 mg/l	<5.0 mg/l	4C
001105	Aluminum	PUMP	N	200.7	08.13.03/2145	<0.20 mg/l	0.20 mg/l	HNO ₃
900208	Arsenic	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO ₃
900210	Cadmium	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO ₃
900211	Chromium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO ₃
0010	Iron	PUMP	N	200.7	08.13.03/2145	<0.050 mg/l	0.050 mg/l	HNO ₃
000212	Lead	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO ₃
900220	Manganese	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO ₃
900214	Selenium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO ₃
900213	Mercury	PUMP	N	245.1	08.13.03/1753	<0.00020 mg/l	0.00020 mg/l	HNO ₃
001515	Gross Alpha	PUMP	N	900.0	08.25.03/0800	1.2+/-0.6 pCi/l	---	N/A
000400	Field pH	PUMP	N	150.1	08.07.03/0953	9.4 units	---	N/A
000095	Specific Conductance (Taken in Field)	PUMP	N	120.1	08.07.03/0953	270 umhos/cm	---	N/A
082078	Turbidity (taken in field)	PUMP	N	180.1	08.07.03/0953	14 NTU	---	N/A
082545	Depth to Groundwater from T.O.C.	PUMP	N	EPASOP	08.07.03/0953	76.85 ft.	---	N/A

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PART III ANALYTICAL RESULTS

M366148*7

Facility GMS#: 1037P37371

Sample Date/Time: 08-07-03 13:38

Test Site ID#: 1032A13173

Report Period: 2003 January - December
(year/quarter)

Well Name: Scholz MW-210S

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☐ Background
☒ Intermediate
☐ Compliance
☐ Other

Groundwater Elevation(NGVD): 85.11

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	PUMP	N	325.2	08.11.03/1507	1.1 mg/l	1.0 mg/l	4C
000945	Sulfate as SO ₄	PUMP	N	9038	08.12.03/2005	9.0 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	PUMP	N	160.1	08.14.03/1630	350 mg/l	<5.0 mg/l	4C
001105	Aluminum	PUMP	N	200.7	08.13.03/2145	<0.20 mg/l	0.20 mg/l	HNO ₃
900208	Arsenic	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO ₃
900210	Cadmium	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO ₃
900211	Chromium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO ₃
4010	Iron	PUMP	N	200.7	08.13.03/2145	0.067 mg/l	0.050 mg/l	HNO ₃
900212	Lead	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO ₃
900220	Manganese	PUMP	N	200.7	08.13.03/2145	0.34 mg/l	0.010 mg/l	HNO ₃
900214	Selenium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO ₃
900213	Mercury	PUMP	N	245.1	08.26.03/1630	<0.00020U mg/l	0.00020 mg/l	HNO ₃
001515	Gross Alpha	PUMP	N	900.0	08.25.03/0800	1.4+/-0.8 pCi/l	---	N/A
000400	Field pH	PUMP	N	150.1	08.07.03/1338	6.9 units	---	N/A
000095	Specific Conductance (Taken in Fiel	PUMP	N	120.1	08.07.03/1338	680 umhos/cm	---	N/A
082078	Turbidity (taken in field)	PUMP	N	180.1	08.07.03/1338	8.9 NTU	---	N/A
082545	Depth to Groundwater from T.O.C.	PUMP	N	EPASOP	08.07.03/1338	8.39 ft.	---	N/A

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PART III ANALYTICAL RESULTS

M366148*8

Facility GMS#: 1037P37371

Sample Date/Time: 08-07-03 13:24

Test Site ID#: 1032A13168

Report Period: 2003 January - December
(year/quarter)

Well Name: Scholz MW-210MD

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 52.21

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	PUMP	N	325.2	08.11.03/1507	15 mg/l	1.0 mg/l	4C
000945	Sulfate as SO ₄	PUMP	N	9038	08.12.03/2005	830 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	PUMP	N	160.1	08.14.03/1630	1400 mg/l	<5.0 mg/l	4C
001105	Aluminum	PUMP	N	200.7	08.13.03/2145	<0.20 mg/l	0.20 mg/l	HNO ₃
900208	Arsenic	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO ₃
900210	Cadmium	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO ₃
900211	Chromium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO ₃
4010	Iron	PUMP	N	200.7	08.13.03/2145	37 mg/l	0.050 mg/l	HNO ₃
900212	Lead	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO ₃
900220	Manganese	PUMP	N	200.7	08.13.03/2145	1.3 mg/l	0.010 mg/l	HNO ₃
900214	Selenium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO ₃
900213	Mercury	PUMP	N	245.1	08.26.03/1630	<0.00020U mg/l	0.00020 mg/l	HNO ₃
001515	Gross Alpha	PUMP	N	900.0	08.25.03/0800	5.3+/-3.3 pCi/l	---	N/A
000400	Field pH	PUMP	N	150.1	08.07.03/1324	6.4 units	---	N/A
000095	Specific Conductance (Taken in Field)	PUMP	N	120.1	08.07.03/1324	2200 umhos/cm	---	N/A
082078	Turbidity (taken in field)	PUMP	N	180.1	08.07.03/1324	23 NTU	---	N/A
082545	Depth to Groundwater from T.O.C.	PUMP	N	EPASOP	08.07.03/1324	42.21 ft.	---	N/A

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PART III ANALYTICAL RESULTS

M366148*9

Facility GMS#: 1037P37371

Sample Date/Time: 08-07-03 11:59

Test Site ID#: 1032A13169

Report Period: 2003 January - December
(year/quarter)

Well Name: Scholz MW-212MD

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 53.15

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	PUMP	N	325.2	08.11.03/1504	5.4 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	PUMP	N	9038	08.12.03/2005	34 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	PUMP	N	160.1	08.14.03/1630	310 mg/l	<5.0 mg/l	4C
001105	Aluminum	PUMP	N	200.7	08.13.03/2145	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
001010	Iron	PUMP	N	200.7	08.13.03/2145	<0.050 mg/l	0.050 mg/l	HNO3
900212	Lead	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900214	Selenium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900213	Mercury	PUMP	N	245.1	08.26.03/1630	<0.00020U mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	PUMP	N	900.0	08.25.03/0800	0.5+/-0.7 pCi/l	---	N/A
000400	Field pH	PUMP	N	150.1	08.07.03/1159	7.4 units	---	N/A
000095	Specific Conductance (Taken in Field)	PUMP	N	120.1	08.07.03/1159	560 umhos/cm	---	N/A
082078	Turbidity (taken in field)	PUMP	N	180.1	08.07.03/1159	8.3 NTU	---	N/A
082545	Depth to Groundwater from T.O.C.	PUMP	N	EPASOP	08.07.03/1159	21.85 ft.	---	N/A

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PART III ANALYTICAL RESULTS

M366148*10

Facility GMS#: 1037P37371

Sample Date/Time: 08-07-03 09:13

Test Site ID#: 1032A11454

Report Period: 2003 January - December
(year/quarter)

Well Name: Scholz WSW-2

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): ---

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	PUMP	N	325.2	08.11.03/1504	18 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	PUMP	N	9038	08.12.03/2005	<5.0 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	PUMP	N	160.1	08.14.03/1630	180 mg/l	<5.0 mg/l	4C
001105	Aluminum	PUMP	N	200.7	08.13.03/2145	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
1010	Iron	PUMP	N	200.7	08.13.03/2145	<0.050 mg/l	0.050 mg/l	HNO3
900212	Lead	PUMP	N	200.7	08.13.03/2145	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900214	Selenium	PUMP	N	200.7	08.13.03/2145	<0.010 mg/l	0.010 mg/l	HNO3
900213	Mercury	PUMP	N	245.1	08.26.03/1630	<0.00020U mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	PUMP	N	900.0	08.25.03/0800	0.5+/-0.6 pCi/l	---	N/A
000400	Field pH	PUMP	N	150.1	08.07.03/0913	7.0 units	---	N/A
000095	Specific Conductance (Taken in Fiel	PUMP	N	120.1	08.07.03/0913	400 umhos/cm	---	N/A
082078	Turbidity (taken in field)	PUMP	N	180.1	08.07.03/0913	1.6 NTU	---	N/A
082545	Depth to Groundwater from T.O.C.	PUMP	N	EPASOP	---/---	--- ft.	---	N/A

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PART III ANALYTICAL RESULTS

M366148*22

Facility GMS#: 1037P37371

Sample Date/Time: 08-07-03 13:24

Test Site ID#: 1032A13168

Report Period: 2003 January - December
(year/quarter)

Well Name: 210 MD

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): _____

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
009501	Total Radium 226	PUMP	Y	903.1	08.27.03/1200	0.5+/-0.5 pCi/l	---	N/A

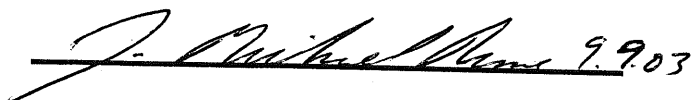
Attach Laboratory Reports

Analytical Report

For: Mr. Joe Neese
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0328

CC:

Order Number: M366148
SDG Number:
Client Project ID:
Project: Scholz Annual
Report Date: 09/04/2003
Sampled By: Mobile Division (STL)
Sample Received Date: 08/09/2003
Requisition Number:
Purchase Order:



J. Michael Nance, Project Manager
mnance@stl-inc.com

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Sample Summary

Order: M366148
Date Received: 08/09/2003

Client: Gulf Power Company
Project: Scholz Annual

Client Sample ID	Lab Sample ID	Matrix	Date Sampled
Scholz MW-203S	M366148*1	Liquid	08/07/2003 12:39
Scholz MW-203MD	M366148*2	Liquid	08/07/2003 12:39
Scholz MW-204S	M366148*3	Liquid	08/07/2003 10:35
Scholz MW-204MD	M366148*4	Liquid	08/07/2003 10:54
Scholz MW-205S	M366148*5	Liquid	08/07/2003 09:50
Scholz MW-205MD	M366148*6	Liquid	08/07/2003 09:53
Scholz MW-210S	M366148*7	Liquid	08/07/2003 13:38
Scholz MW-210MD	M366148*8	Liquid	08/07/2003 13:24
Scholz MW-212MD	M366148*9	Liquid	08/07/2003 11:59
Scholz WSW-2	M366148*10	Liquid	08/07/2003 09:13
Scholz MW-103	M366148*11	Liquid	
Scholz MW-105	M366148*12	Liquid	
Scholz MW-110	M366148*21	Liquid	
Scholz MW-110A	M366148*13	Liquid	
Scholz MW-112	M366148*14	Liquid	
210 MD	M366148*22	Liquid	08/07/2003 13:24
Equipment Blank	M366148*15	Liquid	08/07/2003

Analytical Data Report

Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
66148-1	Scholz MW-203S	Liquid	08/09/03	08/07/03 12:39	
66148-2	Scholz MW-203MD	Liquid	08/09/03	08/07/03 12:39	
66148-3	Scholz MW-204S	Liquid	08/09/03	08/07/03 10:35	
66148-4	Scholz MW-204MD	Liquid	08/09/03	08/07/03 10:54	
66148-5	Scholz MW-205S	Liquid	08/09/03	08/07/03 09:50	

Parameter	Units	Lab Sample IDs				
		66148-1	66148-2	66148-3	66148-4	66148-5

Chloride (325.2)

Chloride	mg/l	7.6	7.4	7.3	3.6	4.4
Analysis Date		08/11/03	08/11/03	08/11/03	08/11/03	08/11/03
Analysis Time		15:07	15:04	15:07	15:04	15:07
Batch ID		0811B	0811B	0811B	0811B	0811B
Analyst		EL	EL	EL	EL	EL

Sulfate as SO4 (9038)

Sulfate as SO4	mg/l	20	38	28	<5.0	<5.0
Analysis Date		08/12/03	08/12/03	08/12/03	08/12/03	08/12/03
Analysis Time		20:05	20:05	20:05	20:05	20:05
Batch ID		0812.2	0812.2	0812.2	0812.2	0812.2
Analyst		RDM	RDM	RDM	RDM	RDM

Total Dissolved Solids (160.1)

Total Dissolved Solids	mg/l	240	360	310	160	30
Analysis Date		08/14/03	08/14/03	08/14/03	08/14/03	08/14/03
Analysis Time		16:30	16:30	16:30	16:30	16:30
Batch ID		0814B	0814B	0814B	0814B	0814B
Analyst		MG	MG	MG	MG	MG

ICP Metals (200.7)

Aluminum	mg/l	<0.20	<0.20	<0.20	<0.20	<0.20
Arsenic	mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium	mg/l	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chromium	mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Iron	mg/l	29	5.4	9.2	0.12	<0.050
Lead	mg/l	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Manganese	mg/l	2.4	1.8	1.0	<0.010	<0.010
Selenium	mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Analysis Date		08/13/03	08/13/03	08/13/03	08/13/03	08/13/03
Analysis Time		21:45	21:45	21:45	21:45	21:45
Batch ID		0811U	0811U	0811U	0811U	0811U
Analyst		RJB	RJB	RJB	RJB	RJB

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDC#
66148-1	Scholz MW-203S	Liquid	08/09/03	08/07/03 12:39	
66148-2	Scholz MW-203MD	Liquid	08/09/03	08/07/03 12:39	
66148-3	Scholz MW-204S	Liquid	08/09/03	08/07/03 10:35	
66148-4	Scholz MW-204MD	Liquid	08/09/03	08/07/03 10:54	
66148-5	Scholz MW-205S	Liquid	08/09/03	08/07/03 09:50	

Parameter	Units	Lab Sample IDs				
		66148-1	66148-2	66148-3	66148-4	66148-5

Mercury (245.1)

Mercury	mg/l	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Analysis Date		08/13/03	08/13/03	08/13/03	08/13/03	08/13/03
Analysis Time		17:53	17:53	17:53	17:53	17:53
Batch ID		0813M	0813M	0813M	0813M	0813M
Analyst		BB	BB	BB	BB	BB

Gross Alpha (900.0)

Gross Alpha	pCi/l	2.1+/-0.7	1.5+/-0.6	2.0+/-0.6	0.7+/-0.4	0.4+/-0.5
Analysis Date		08/25/03	08/25/03	08/25/03	08/25/03	08/25/03
Analysis Time		08:00	08:00	08:00	08:00	08:00

Field pH (150.1)

Field pH	units	6.5	10.19	8.40	7.9	7.1
Analysis Date		08/07/03	08/07/03	08/07/03	08/07/03	08/07/03
Analysis Time		12:44	12:39	10:35	10:54	09:50
Analyst		CR	CR	CR	CR	CR

Specific Conductance (Taken in Field) (120.1)

Specific Conductance (Taken in Field)	umhos/cm	620	740	660	320	40
Analysis Date		08/07/03	08/07/03	08/07/03	08/07/03	08/07/03
Analysis Time		12:44	12:39	10:35	10:54	09:50
Analyst		CR	CR	CR	CR	CR

Analytical Data Report

Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#	
66148-1	Scholz MW-203S	Liquid	08/09/03	08/07/03 12:39		
66148-2	Scholz MW-203MD		08/09/03	08/07/03 12:39		
66148-3	Scholz MW-204S		08/09/03	08/07/03 10:35		
66148-4	Scholz MW-204MD		08/09/03	08/07/03 10:54		
66148-5	Scholz MW-205S		08/09/03	08/07/03 09:50		
Parameter	Units	Lab Sample IDs				
		66148-1	66148-2	66148-3	66148-4	66148-5

Turbidity (taken in field) (180.1)

Turbidity (taken in field)	NTU	29	11	12	15	8.1
Analysis Date		08/07/03	08/07/03	08/07/03	08/07/03	08/07/03
Analysis Time		12:44	12:39	10:35	10:54	09:50
Analyst		CR	CR	CR	CR	CR

Depth to Groundwater from T.O.C. (EPASOP)

Depth to Groundwater from T.O.C.	ft.	6.15	10.19	8.40	54.98	7.06
Analysis Date		08/07/03	08/07/03	08/07/03	08/07/03	08/07/03
Analysis Time		12:44	12:39	10:35	10:54	09:50
Analyst		CR	CR	CR	CR	CR

Water Elevation (ft. above NGVD)

Water Elevation (ft. above NGVD)	ft.	56.63	52.94	99.49	53.03	127.19
Analysis Date		08/07/03	08/07/03	08/07/03	08/07/03	08/07/03
Analysis Time		12:44	12:39	10:35	10:54	09:50
Analyst		CR	CR	CR	CR	CR

Analytical Data Report

Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
66148-6	Scholz MW-205MD	Liquid	08/09/03	08/07/03 09:53	
66148-7	Scholz MW-210S	Liquid	08/09/03	08/07/03 13:38	
66148-8	Scholz MW-210MD	Liquid	08/09/03	08/07/03 13:24	
66148-9	Scholz MW-212MD	Liquid	08/09/03	08/07/03 11:59	
66148-10	Scholz WSW-2	Liquid	08/09/03	08/07/03 09:13	

Lab Sample IDs

Parameter	Units	66148-6	66148-7	66148-8	66148-9	66148-10
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Chloride (325.2)

Chloride	mg/l	3.3	1.1	15	5.4	18
Analysis Date		08/11/03	08/11/03	08/11/03	08/11/03	08/11/03
Analysis Time		15:04	15:07	15:07	15:04	15:04
Batch ID		0811B	0811B	0811B	0811B	0811B
Analyst		EL	EL	EL	EL	EL

Sulfate as SO4 (9038)

Sulfate as SO4	mg/l	<5.0	9.0	830	34	<5.0
Analysis Date		08/12/03	08/12/03	08/12/03	08/12/03	08/12/03
Analysis Time		20:05	20:05	20:05	20:05	20:05
Batch ID		0812.2	0812.2	0812.2	0812.2	0812.2
Analyst		RDM	RDM	RDM	RDM	RDM

Total Dissolved Solids (160.1)

Total Dissolved Solids	mg/l	150	350	1400	310	180
Analysis Date		08/14/03	08/14/03	08/14/03	08/14/03	08/14/03
Analysis Time		16:30	16:30	16:30	16:30	16:30
Batch ID		0814B	0814B	0814B	0814B	0814B
Analyst		MG	MG	MG	MG	MG

ICP Metals (200.7)

Aluminum	mg/l	<0.20	<0.20	<0.20	<0.20	<0.20
Arsenic	mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium	mg/l	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chromium	mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Iron	mg/l	<0.050	0.067	37	<0.050	<0.050
Lead	mg/l	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Manganese	mg/l	<0.010	0.34	1.3	<0.010	<0.010
Selenium	mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Analysis Date		08/13/03	08/13/03	08/13/03	08/13/03	08/13/03
Analysis Time		21:45	21:45	21:45	21:45	21:45
Batch ID		0811U	0811U	0811U	0811U	0811U
Analyst		RJB	RJB	RJB	RJB	RJB

Analytical Data Report

Sample ID	Description			Matrix	Date Received	Date Sampled	SDG#
66148-6	Scholz MW-205MD			Liquid	08/09/03	08/07/03 09:53	
66148-7	Scholz MW-210S			Liquid	08/09/03	08/07/03 13:38	
66148-8	Scholz MW-210MD			Liquid	08/09/03	08/07/03 13:24	
66148-9	Scholz MW-212MD			Liquid	08/09/03	08/07/03 11:59	
66148-10	Scholz WSW-2			Liquid	08/09/03	08/07/03 09:13	
Lab Sample IDs							
Parameter	Units	66148-6	66148-7	66148-8	66148-9	66148-10	
Mercury (245.1)							
Mercury	mg/l	<0.00020	<0.00020U	<0.00020U	<0.00020U	<0.00020U	
Analysis Date		08/13/03	08/26/03	08/26/03	08/26/03	08/26/03	
Analysis Time		17:53	16:30	16:30	16:30	16:30	
Batch ID		0813M	0826M1	0826M1	0826M1	0826M1	
Analyst		BB	BB	BB	BB	BB	
Gross Alpha (900.0)							
Gross Alpha	pCi/l	1.2+/-0.6	1.4+/-0.8	5.3+/-3.3	0.5+/-0.7	0.5+/-0.6	
Analysis Date		08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	
Analysis Time		08:00	08:00	08:00	08:00	08:00	
Field pH (150.1)							
Field pH	units	9.4	6.9	6.4	7.4	7.0	
Analysis Date		08/07/03	08/07/03	08/07/03	08/07/03	08/07/03	
Analysis Time		09:53	13:38	13:24	11:59	09:13	
Analyst		CR	CR	CR	CR	CR	
Specific Conductance (Taken in Field) (120.1)							
Specific Conductance (Taken in Field)	umhos/cm	270	680	2200	560	400	
Analysis Date		08/07/03	08/07/03	08/07/03	08/07/03	08/07/03	
Analysis Time		09:53	13:38	13:24	11:59	09:13	
Analyst		CR	CR	CR	CR	CR	

Analytical Data Report

Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
66148-6	Scholz MW-205MD	Liquid	08/09/03	08/07/03 09:53	
66148-7	Scholz MW-210S	Liquid	08/09/03	08/07/03 13:38	
66148-8	Scholz MW-210MD	Liquid	08/09/03	08/07/03 13:24	
66148-9	Scholz MW-212MD	Liquid	08/09/03	08/07/03 11:59	
66148-10	Scholz WSW-2	Liquid	08/09/03	08/07/03 09:13	

Parameter	Units	Lab Sample IDs				
		66148-6	66148-7	66148-8	66148-9	66148-10

Turbidity (taken in field) (180.1)

Turbidity (taken in field)	NTU	14	8.9	23	8.3	1.6
Analysis Date		08/07/03	08/07/03	08/07/03	08/07/03	08/07/03
Analysis Time		09:53	13:38	13:24	11:59	09:13
Analyst		CR	CR	CR	CR	CR

Depth to Groundwater from T.O.C. (EPASOP)

Depth to Groundwater from T.O.C.	ft.	76.85	8.39	42.21	21.85	---
Analysis Date		08/07/03	08/07/03	08/07/03	08/07/03	
Analysis Time		09:53	13:38	13:24	11:59	
Analyst		CR	CR	CR	CR	

Water Elevation (ft. above NGVD)

Water Elevation (ft. above NGVD)	ft.	58.21	85.11	52.21	53.15	---
Analysis Date		08/07/03	08/07/03	08/07/03	08/07/03	
Analysis Time		09:53	13:38	13:24	11:59	
Analyst		CR	CR	CR	CR	

Analytical Data Report

Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
66148-11	Scholz MW-103	Liquid	08/09/03		
66148-12	Scholz MW-105	Liquid	08/09/03		
66148-21	Scholz MW-110	Liquid	08/09/03		
66148-13	Scholz MW-110A	Liquid	08/09/03		
66148-14	Scholz MW-112	Liquid	08/09/03		

Lab Sample IDs

Parameter	Units	66148-11	66148-12	66148-21	66148-13	66148-14
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Depth to Groundwater from T.O.C. (EPASOP)

Depth to Groundwater from T.O.C.	ft.	4.43	75.85	5.53	41.18	20.81
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Analytical Data Report

Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
66148-22	210 MD	Liquid	08/09/03	08/07/03 13:24	

Lab Sample IDs

Parameter	Units	66148-22
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Total Radium 226 (903.1)

Total Radium 226	pCi/l	0.5+/-0.5
Analysis Date		08/27/03
Analysis Time		12:00

Analytical Data Report

Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
66148-15	Equipment Blank	Liquid	08/09/03	08/07/03	

Parameter	Units	Lab Sample IDs
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66148-15

Chloride (325.2)

Chloride	mg/l	<1.0
Analysis Date		08/11/03
Analysis Time		15:07
Batch ID		0811B
Analyst		EL

Sulfate as SO4 (9038)

Sulfate as SO4	mg/l	<5.0
Analysis Date		08/12/03
Analysis Time		20:05
Batch ID		0812.1
Analyst		RDM

Total Dissolved Solids (160.1)

Dissolved Solids	mg/l	<5.0
Analysis Date		08/14/03
Analysis Time		16:30
Batch ID		0814B
Analyst		MG

ICP Metals (200.7)

Aluminum	mg/l	<0.20
Arsenic	mg/l	<0.010
Cadmium	mg/l	<0.0050
Chromium	mg/l	<0.010
Iron	mg/l	<0.050
Lead	mg/l	<0.0050
Manganese	mg/l	<0.010
Selenium	mg/l	<0.010
Analysis Date		08/13/03
Analysis Time		21:45
Batch ID		0811U
Analyst		RJB

Analytical Data Report

Sample ID	Description	Matrix	Date Received	Date Sampled	SDC#
66148-15	Equipment Blank	Liquid	08/09/03	08/07/03	

Lab Sample IDs

Parameter	Units	66148-15
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Mercury (245.1)

Mercury	mg/l	<0.00020U
Analysis Date		08/26/03
Analysis Time		16:30
Batch ID		0826M1
Analyst		BB

Gross Alpha (900.0)

Gross Alpha	pCi/l	0.0+/-0.3
Analysis Date		08/25/03
Analysis Time		08:00

Analytical Data Report

Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
66148-17	Method Blank	Liquid	08/09/03		
66148-18	Lab Control Standard % Recovery	Liquid	08/09/03		
66148-19	Precision (%RPD) of LCS/LCSD	Liquid	08/09/03		
66148-20	Reporting Limit (RL)	Liquid	08/09/03		
Parameter	Units	Lab Sample IDs		66148-19	66148-20
		66148-17	66148-18		
Chloride (325.2)					
Chloride	mg/l	<1.0	101 %	0.0 %	1.0
Analysis Date		08/11/03	08/11/03		
Analysis Time		15:07	15:07		
Batch ID		0811B	0811B	0811B	
Analyst		EL	EL		
Sulfate as SO4 (9038)					
Sulfate as SO4	mg/l	<5.0	101 %	0.066 %	5.0
Analysis Date		08/12/03	08/12/03		
Analysis Time		20:05	20:05		
Batch ID		0812.2	0812.2	0812.2	
st		RDM	RDM		
Total Dissolved Solids (160.1)					
Total Dissolved Solids	mg/l	<5.0	102 %	2.0 %	<5.0
Analysis Date		08/14/03	08/14/03		
Analysis Time		16:30	16:30		
Batch ID		0814B	0814B	0814B	
Analyst		MG	MG		
ICP Metals (200.7)					
Aluminum	mg/l	<0.20	94 %	1.1 %	0.20
Arsenic	mg/l	<0.010	98 %	0 %	0.010
Cadmium	mg/l	<0.0050	96 %	0 %	0.0050
Chromium	mg/l	<0.010	92 %	1.1 %	0.010
Iron	mg/l	<0.050	92 %	1.1 %	0.050
Lead	mg/l	<0.0050	94 %	1.1 %	0.0050
Manganese	mg/l	<0.010	96 %	1.0 %	0.010
Selenium	mg/l	<0.010	96 %	1.0 %	0.010
Analysis Date		08/13/03	08/13/03		
Analysis Time		21:45	21:45		
Batch ID		0811U	0811U	0811U	
Analyst		RJB	RJB		

Analytical Data Report

Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
66148-17	Method Blank	Liquid	08/09/03		
66148-18	Lab Control Standard % Recovery	Liquid	08/09/03		
66148-19	Precision (%RPD) of LCS/LCSD	Liquid	08/09/03		
66148-20	Reporting Limit (RL)	Liquid	08/09/03		

Parameter	Units	Lab Sample IDs			
		66148-17	66148-18	66148-19	66148-20

Mercury (245.1)

Mercury	mg/l	<0.00020U	92 %	6.3 %	0.00020
Analysis Date		08/26/03	08/26/03		
Analysis Time		16:30	16:30		
Batch ID		0826M1	0826M1	0826M1	
Analyst		BB	BB		

REFERENCE: EPA 40 CFR Part 136

Savannah Laboratories Florida DHRS Certification No. E87089 and DEP CQAP No. 890142G.

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

STL Mobile

PURGING DATA

SAMPLING DATA

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

STL Mobile

PURGING DATA

SAMPLING DATA

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.



STL Mobile

PURGING DATA

SAMPLING DATA

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

STL Mobile

PURGING DATA

SAMPLING DATA

NOTE: The above do not constitute all of the information required for the report. The following information is required for the report: MATERIAL CODES: AC = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

STL Mobile

PURGING DATA

SAMPLING DATA

ARKS:

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.



STL Mobile

SITE NAME: Scholz	SITE GMS 1032P37371	DATE 8.7.03
WELL NO: mlw-205MD	WELL TEST SITE #: 1032A12167	WELL DIAMETER(in) 2

PURGING DATA

TOTAL WELL DEPTH (ft): 96.87				STATIC DEPTH TO WATER (ft): 76.85			TOP OF CASING ELEVATION: 135.06		WATER LEVEL; ELEVATION FEET(NGVD) 58.21		
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =											
= (96.87 - 76.85) X 114 = 323-9											
PURGE METHOD: Sub Pump				PURGE INITIATED AT: 0935			PURGE ENDED AT: 0953		TOTAL VOL. PURGED (gal):		
TIME	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	SHEEN	COLOR	ODOR
0935		.5									
0938				9.3	22.4	278	3.2	32.1			
0941				9.5	23.0	271	3.4	25.4			
0944				9.4	23.0	270	3.4	16.7			
0947				9.4	23.0	270	3.3	15.6			
0950				9.4	22.9	270	3.2	13.9			
0953				9.4	22.9	270	3.2	14.1	10	1600	1500
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											

SAMPLING DATA

[illegible]

STL Mobile

WELL TEST SITE #: 1032A13179

PURGING DATA

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

STL

STL Mobile

SITE NAME: C.P. Scholz		SITE GMS: 1032P37371	DATE: 8.7.03
WELL NO: mw-210nd	WELL TEST SITE #: 1032A13168		WELL DIAMETER(in)

PURGING DATA

TOTAL WELL DEPTH (ft):		STATIC DEPTH TO WATER (ft):		TOP OF CASING ELEVATION:		WATER LEVEL ELEVATION FEET(NGVD)					
67.21		42.21		94.42		52.21					
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = = (67.21 - 42.21) X .16 = 4 X 3.12											
PURGE METHOD:				PURGE INITIATED AT:		PURGE ENDED AT:		TOTAL VOL. PURGED (gal):			
Sub Pump				1300		1324		17			
TIME	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	SHEEN	COLOR	ODOR
1300		.5									
1304			2	6.3	23.7	2670	1.58	419			
1309			21	6.4	24.1	3,260	2.02	65.6			
1312			21	6.3	24.3	2,252	2.05	38.9			
1316			23	6.4	24.2	2,200	2.05	27.8			
1320			23	6.4	23.9	2,220	2.19	23.1			
1324			23	6.4	24.0	2700	2.70	23.7	N	Tan	Note

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

[illegible]

STL Mobile

PURGING DATA

$$1 \text{ WELL VOLUME (gal)} = (\text{TOTAL WELL DEPTH} - \text{DEPTH TO WATER}) \times \text{WELL CAPACITY} =$$

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

MARKS: 112 - 20/101

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

STL Mobile

SITE NAME: <u>AP Scholz</u>		SITE GMS <u>1037P37371</u>	DATE <u>8.7.03</u>
WELL NO: <u>WSLW-2</u>	WELL TEST SITE #: <u>1032A11454</u>		WELL DIAMETER(in)

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN
TRENT

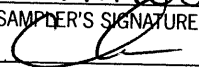
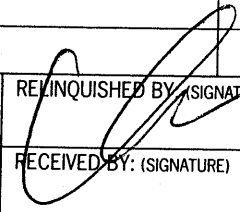
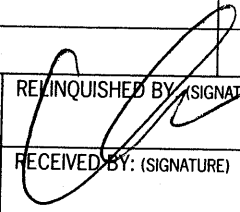
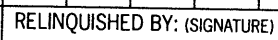
STL

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900 Lakeside Drive
Mobile, AL 36693

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Phone: (251) 666-6633
Fax: (251) 666-6696

○ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE 8 Anna 1		PROJECT NO.		PROJECT LOCATION (STATE) FL		MATRIX TYPE		REQUIRED ANALYSIS										PAGE		OF									
SAMPLER'S SIGNATURE 		P.O. NUMBER		CONTRACT NO.		COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT,...) TDS, Cl, SO4 Metals Cross a 226/228 Conditioned		PRESERVATIVE										STANDARD REPORT DELIVERY ☐		DATE DUE _____									
CLIENT (SITE) PM		CLIENT PHONE		CLIENT FAX														EXPEDITED REPORT DELIVERY (SURCHARGE) ☐		DATE DUE _____									
CLIENT NAME C/S Power-Schoitz		CLIENT E-MAIL		COMPANY CONTRACTING THIS WORK (if applicable)														NUMBER OF COOLERS SUBMITTED PER SHIPMENT:											
CLIENT ADDRESS																													
SAMPLE		SAMPLE IDENTIFICATION														NUMBER OF CONTAINERS SUBMITTED										REMARKS			
DATE		TIME																											
8.7.03		0913		WSW-2																									
		950		205S																									
		0953		205 MD																									
		1035		204S																									
		1054		204 MD																									
		1159		212 MD																									
		1239		212 203 MD																									
		1244		203 S																									
		1324		210 MD																									
		1338		210S																									
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RELINQUISHED BY: (SIGNATURE)		DATE		TIME		RELINQUISHED BY: (SIGNATURE)		DATE		TIME		RELINQUISHED BY: (SIGNATURE)		DATE		TIME													
								8.8.03		1845																			
RECEIVED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		DATE		TIME													
RECEIVED FOR LABORATORY BY:		DATE		TIME		CUSTODY INTACT YES ☐ NO ☐		CUSTODY SEAL NO.		STL MOBILE LOG NO.		LABORATORY REMARKS																	
		8.9.03		0830						M366148 T90 4.9°C																			

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date _____

DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Gulf Power Company (Scholz Plant)

Address One Energy Place

City Pensacola, FL

Zip 32520-0328

Telephone Number (850) 444-6429

(2) The GMS Identification Number 1037P37371

(3) DEP Permit Number FL0002283

(4) Authorized Representative Name _____

Address _____

City _____

Zip _____

Telephone Number _____

(5) Type of Discharge _____

(6) Method of Discharge _____

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # 890142G

Analytical Lab Comp QAP # /HRS Certification # E87089

*Comp QAP # /HRS Certification # _____

Lab Name STL Mobile

Address 900 Lakeside Dr., Mobile, AL 36693

Phone Number (251) 666-6633

PART III ANALYTICAL RESULTS

M226557*1

Facility GMS#: 1037P37371

Sample Date/Time: 09-02-02 11:15

est Site ID#: 1032A13170

Report Period: 2002 January - December
(year/quarter)

Well Name: Scholz MW-203S

Well Purged (Y/N): No

Classification of Groundwater:

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 44.98

(MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	09.12.02/1104	4.7 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	9038	09.09.02/1200	18 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	09.05.02/1515	200 mg/l	5.0 mg/l	4C
900213	Mercury	Pump	N	245.1	09.09.02/1623	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.20.02/---	4.5+/-0.7 pCi/l	---	N/A
000400	Field pH	Pump	N	150.1	09.02.02/1115	7.0 units	---	N/A
000095	Specific Conductance (Taken in Fiel	Pump	N	120.1	09.02.02/1115	440 umhos/cm	---	N/A
082078	Turbidity (taken in field)	Pump	N	180.1	09.02.02/1115	9.5 NTU	---	N/A
545	Depth to Groundwater from T.O.C.	Pump	N	EPASOP	09.02.02/1115	17.80 ft.	---	N/A
001105	Aluminum	Pump	N	200.7	09.11.02/2206	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	09.11.02/2206	48 mg/l	0.050 mg/l	HNO3
900212	Lead	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	09.11.02/2206	4.4 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3

Attach Laboratory Reports

PART III ANALYTICAL RESULTS

M226557*2

Facility GMS#: 1037P37371

Sample Date/Time: 09-02-02 11:15

Test Site ID#: 1032A13165

Report Period: 2002 January - December
(year/quarter)

Well Name: Scholz MW-203MD

Well Purged (Y/N): No

Classification of Groundwater:

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 44.57

(MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	09.12.02/1104	7.5 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	9038	09.09.02/1200	55 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	09.05.02/1515	320 mg/l	5.0 mg/l	4C
900213	Mercury	Pump	N	245.1	09.09.02/1623	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.20.02/---	6.0+/-0.9 pCi/l	---	N/A
000400	Field pH	Pump	N	150.1	09.02.02/1115	6.5 units	---	N/A
000095	Specific Conductance (Taken in Field)	Pump	N	120.1	09.02.02/1115	410 umhos/cm	---	N/A
082078	Turbidity (taken in field)	Pump	N	180.1	09.02.02/1115	27 NTU	---	N/A
0545	Depth to Groundwater from T.O.C.	Pump	N	EPASOP	09.02.02/1115	18.56 ft.	---	N/A
001105	Aluminum	Pump	N	200.7	09.11.02/2206	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	200.7	09.11.02/2206	0.019 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	09.11.02/2206	4.1 mg/l	0.050 mg/l	HNO3
900212	Lead	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	09.11.02/2206	2.8 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3

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PART III ANALYTICAL RESULTS

M226557*3

Facility GMS#: 1037P37371

Sample Date/Time: 09-02-02 10:00

Test Site ID#: 1032A13171

Report Period: 2002 January - December

(year/quarter)

Well Name: Scholz MW-204S

Well Purged (Y/N): No

Classification of Groundwater:

Well Type: ☐ Background

Groundwater Elevation(NGVD): 98.37

☒ Intermediate☐ Compliance☐ Other

(MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	09.12.02/1104	8.9 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	9038	09.09.02/1200	<5.0 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	09.05.02/1515	320 mg/l	5.0 mg/l	4C
900213	Mercury	Pump	N	245.1	09.09.02/1623	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.21.02/---	4.1+/-1.3 pCi/l	---	N/A
000400	Field pH	Pump	N	150.1	09.02.02/1000	6.5 units	---	N/A
000095	Specific Conductance (Taken in Field)	Pump	N	120.1	09.02.02/1000	590 umhos/cm	---	N/A
082078	Turbidity (taken in field)	Pump	N	180.1	09.02.02/1000	5.4 NTU	---	N/A
001545	Depth to Groundwater from T.O.C.	Pump	N	EPASOP	09.02.02/1000	9.52 ft.	---	N/A
001105	Aluminum	Pump	N	200.7	09.11.02/2206	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	09.11.02/2206	19 mg/l	0.050 mg/l	HNO3
900212	Lead	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	09.11.02/2206	1.7 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3

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PART III ANALYTICAL RESULTS

M226557*4

Facility GMS#: 1037P37371

Sample Date/Time: 09-02-02 10:00

Test Site ID#: 1032A13166

Report Period: 2002 January - December
(year/quarter)

Well Name: Scholz MW-204MD

Well Purged (Y/N): No

Classification of Groundwater:

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 44.81

(MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	09.12.02/1104	4.2 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	9038	09.09.02/1200	54 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	09.05.02/1515	83 mg/l	5.0 mg/l	4C
900213	Mercury	Pump	N	245.1	09.09.02/1623	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.21.02/---	2.5+/-0.9 pCi/l	---	N/A
000400	Field pH	Pump	N	150.1	09.02.02/1000	7.3 units	---	N/A
000095	Specific Conductance (Taken in Fiel	Pump	N	120.1	09.02.02/1000	250 umhos/cm	---	N/A
082078	Turbidity (taken in field)	Pump	N	180.1	09.02.02/1000	27 NTU	---	N/A
545	Depth to Groundwater from T.O.C.	Pump	N	EPASOP	09.02.02/1000	63.20 ft.	---	N/A
001105	Aluminum	Pump	N	200.7	09.11.02/2206	1.6 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	09.11.02/2206	1.0 mg/l	0.050 mg/l	HNO3
900212	Lead	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	09.11.02/2206	0.037 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3

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PART III ANALYTICAL RESULTS

M226557*5

Facility GMS#: 1037P37371

Sample Date/Time: 09-02-02 09:15

Test Site ID#: 1032A13172

Report Period: 2002 January - December
(year/quarter)

Well Name: Scholz MW-205S

Well Purged (Y/N): No

Classification of Groundwater: _____

Well Type: ☒ Background
☐ Intermediate
☐ Compliance
☐ Other

Groundwater Elevation(NGVD): 116.52

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	09.12.02/1104	3.8 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	9038	09.09.02/1200	<5.0 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	09.05.02/1515	76 mg/l	5.0 mg/l	4C
900213	Mercury	Pump	N	245.1	09.09.02/1623	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.21.02/---	0.8+/-0.6 pCi/l	---	N/A
000400	Field pH	Pump	N	150.1	09.02.02/0915	6.5 units	---	N/A
000095	Specific Conductance (Taken in Fiel	Pump	N	120.1	09.02.02/0915	50 umhos/cm	---	N/A
082078	Turbidity (taken in field)	Pump	N	180.1	09.02.02/0915	4.0 NTU	---	N/A
0545	Depth to Groundwater from T.O.C.	Pump	N	EPASOP	09.02.02/0915	17.73 ft.	---	N/A
001105	Aluminum	Pump	N	200.7	09.11.02/2206	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	09.11.02/2206	<0.050 mg/l	0.050 mg/l	HNO3
900212	Lead	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3

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PART III ANALYTICAL RESULTS

M226557*6

Facility GMS#: 1037P37371

Sample Date/Time: 09-02-02 09:15

est Site ID#: 1032A12167

Report Period: 2002 January - December
(year/quarter)

Well Name: Scholz MW-205MD

Well Purged (Y/N): No

Classification of Groundwater: _____

Well Type: ☒ Background
☐ Intermediate
☐ Compliance
☐ Other

Groundwater Elevation(NGVD): 49.2

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	09.12.02/1104	4.2 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	9038	09.09.02/1200	<5.0 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	09.05.02/1515	17 mg/l	5.0 mg/l	4C
900213	Mercury	Pump	N	245.1	09.09.02/1623	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.21.02/---	0.0+/-0.4 pCi/l	---	N/A
000400	Field pH	Pump	N	150.1	09.02.02/0915	9.6 units	---	N/A
000095	Specific Conductance (Taken in Fiel	Pump	N	120.1	09.02.02/0915	230 umhos/cm	---	N/A
082078	Turbidity (taken in field)	Pump	N	180.1	09.02.02/0915	1.2 NTU	---	N/A
545	Depth to Groundwater from T.O.C.	Pump	N	EPASOP	09.02.02/0915	85.86 ft.	---	N/A
u01105	Aluminum	Pump	N	200.7	09.11.02/2206	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	09.11.02/2206	0.32 mg/l	0.050 mg/l	HNO3
900212	Lead	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3

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PART III ANALYTICAL RESULTS

M226557*7

Facility GMS#: 1037P37371

Sample Date/Time: 09-02-02 11:30

Test Site ID#: 1032A13173

Report Period: 2002 January - December
(year/quarter)

Well Name: Scholz MW-210S

Well Purged (Y/N): No

Classification of Groundwater: _____

Well Type: ☐ Background
☒ Intermediate
☐ Compliance
☐ Other

Groundwater Elevation(NGVD): 84.06

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	09.12.02/1104	4.0 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	9038	09.09.02/1200	39 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	09.05.02/1515	370 mg/l	5.0 mg/l	4C
900213	Mercury	Pump	N	245.1	09.09.02/1623	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.21.02/---	8.0+/-1.1 pCi/l	---	N/A
000400	Field pH	Pump	N	150.1	09.02.02/1130	7.0 units	---	N/A
000095	Specific Conductance (Taken in Fiel	Pump	N	120.1	09.02.02/1130	1100 umhos/cm	---	N/A
082078	Turbidity (taken in field)	Pump	N	180.1	09.02.02/1130	2.3 NTU	---	N/A
545	Depth to Groundwater from T.O.C.	Pump	N	EPASOP	09.02.02/1130	9.44 ft.	---	N/A
001105	Aluminum	Pump	N	200.7	09.11.02/2206	0.69 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	09.11.02/2206	1.9 mg/l	0.050 mg/l	HNO3
900212	Lead	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	09.11.02/2206	0.32 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3

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PART III ANALYTICAL RESULTS

M226557*8

Facility GMS#: 1037P37371

Sample Date/Time: 09-02-02 11:30

Test Site ID#: 1032A13168

Report Period: 2002 January - December
(year/quarter)

Well Name: Scholz MW-210MD

Well Purged (Y/N): No

Classification of Groundwater:

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 42.45

(MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	09.12.02/1104	19 mg/l	1.0 mg/l	4C
000945	Sulfate as SO ₄	Pump	N	9038	09.09.02/1200	960 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	09.05.02/1515	2100 mg/l	5.0 mg/l	4C
900213	Mercury	Pump	N	245.1	09.09.02/1623	<0.00020 mg/l	0.00020 mg/l	HNO ₃
001515	Gross Alpha	Pump	N	900.0	09.21.02/---	3.8+/-2.7 pCi/l	---	N/A
000400	Field pH	Pump	N	150.1	09.02.02/1130	6.2 units	---	N/A
000095	Specific Conductance (Taken in Fiel	Pump	N	120.1	09.02.02/1130	1900 umhos/cm	---	N/A
082078	Turbidity (taken in field)	Pump	N	180.1	09.02.02/1130	3.8 NTU	---	N/A
0545	Depth to Groundwater from T.O.C.	Pump	N	EPASOP	09.02.02/1130	51.97 ft.	---	N/A
001105	Aluminum	Pump	N	200.7	09.11.02/2206	<0.20 mg/l	0.20 mg/l	HNO ₃
900208	Arsenic	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO ₃
900210	Cadmium	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO ₃
900211	Chromium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO ₃
074010	Iron	Pump	N	200.7	09.11.02/2206	72 mg/l	0.050 mg/l	HNO ₃
900212	Lead	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO ₃
900220	Manganese	Pump	N	200.7	09.11.02/2206	2.0 mg/l	0.010 mg/l	HNO ₃
900214	Selenium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO ₃

Attach Laboratory Reports

PART III ANALYTICAL RESULTS

M226557*9

Facility GMS#: 1037P37371 Sample Date/Time: 09-02-02 10:50
 Test Site ID#: 1032A13169 Report Period: 2002 January - December
 (year/quarter)
 Well Name: Scholz MW-212MD Well Purged (Y/N): No
 Classification of Groundwater: _____ Well Type: ☐ Background
 Groundwater Elevation(NGVD): 45.05 ☐ Intermediate
 (MSL): _____ ☒ Compliance
☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	09.12.02/1104	4.6 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	9038	09.09.02/1200	22 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	09.05.02/1515	180 mg/l	5.0 mg/l	4C
900213	Mercury	Pump	N	245.1	09.09.02/1623	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.23.02/---	1.1+/-0.5 pCi/l	---	N/A
000400	Field pH	Pump	N	150.1	09.02.02/1050	7.3 units	---	N/A
000095	Specific Conductance (Taken in Fiel	Pump	N	120.1	09.02.02/1050	340 umhos/cm	---	N/A
082078	Turbidity (taken in field)	Pump	N	180.1	09.02.02/1050	10 NTU	---	N/A
545	Depth to Groundwater from T.O.C.	Pump	N	EPASOP	09.02.02/1050	29.95 ft.	---	N/A
001105	Aluminum	Pump	N	200.7	09.11.02/2206	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	09.11.02/2206	0.12 mg/l	0.050 mg/l	HNO3
900212	Lead	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	09.11.02/2206	0.014 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3

Attach Laboratory Reports

PART III ANALYTICAL RESULTS

M226557*10

Facility GMS#: 1037P37371

Sample Date/Time: 09-02-02 12:00

Test Site ID#: 1032A11454

Report Period: 2002 January - December
(year/quarter)

Well Name: Scholz WSW-2

Well Purged (Y/N): No

Classification of Groundwater: _____

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): _____

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	09.12.02/1104	15 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	9038	09.09.02/1200	5.1 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	09.05.02/1515	140 mg/l	5.0 mg/l	4C
900213	Mercury	Pump	N	245.1	09.09.02/1623	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.23.02/---	3.0+/-0.6 pCi/l	---	N/A
000400	Field pH	Pump	N	150.1	09.02.02/1200	7.1 units	---	N/A
000095	Specific Conductance (Taken in Fiel	Pump	N	120.1	09.02.02/1200	400 umhos/cm	---	N/A
082078	Turbidity (taken in field)	Pump	N	180.1	09.02.02/1200	2.5 NTU	---	N/A
345	Depth to Groundwater from T.O.C.	Pump	N	EPASOP	09.02.02/1200	NA ft.	---	N/A
001105	Aluminum	Pump	N	200.7	09.11.02/2206	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	09.11.02/2206	<0.050 mg/l	0.050 mg/l	HNO3
900212	Lead	Pump	N	200.7	09.11.02/2206	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	200.7	09.11.02/2206	<0.010 mg/l	0.010 mg/l	HNO3

Attach Laboratory Reports

M226557*24

Sample Date/Time: 09-02-02 11:15

Report Period: 2002 January - December
(year/quarter)

Well Purged (Y/N): No

Well Type: ☐ Background
 ☐ Intermediate
 ☒ Compliance
 ☐ Other

[X] Compliance

☐ Other

Attach Laboratory Reports

M226557*25

Sample Date/Time: 09-02-02 11:15

Report Period: 2002 January - December
(year/quarter)

Well Purged (Y/N): No

Well Type: ☐ Background
 ☐ Intermediate
 ☒ Compliance
 ☐ Other

[X] Compliance

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
009501	Total Radium 226	Pump	N	903.1	09.24.02/---	0.3+/-0.6 pCi/l	--- ---	N/A
011500	Total Radium 228	Pump	N	904.0	09.25.02/---	1.0+/-1.1 pCi/l	--- ---	N/A

Attach Laboratory Reports

M226557*26

Facility GMS#:	<u>1037P37371</u>	Sample Date/Time:	<u>09-02-02 10:00</u>
Test Site ID#:	<u>1032A13171</u>	Report Period:	<u>2002 January - December</u> (year/quarter)
Well Name:	<u>204 S</u>	Well Purged (Y/N):	<u>No</u>
Classification of Groundwater:	<u> </u>	Well Type:	☐ Background
Groundwater Elevation(NGVD):	<u> </u>		☒ Intermediate
			☐ Compliance
			☐ Other
(MSL):	<u> </u>		

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
009501	Total Radium 226	Pump	N	903.1	09.25.02/---	0.4+/-0.5 pCi/l	--- ---	N/A
011500	Total Radium 228	Pump	N	904.0	10.11.02/---	0.5+/-0.7 pCi/l	--- ---	N/A

PART III ANALYTICAL RESULTS

M226557*27

Facility GMS#: 1037P37371

Sample Date/Time: 09-02-02 11:30

Test Site ID#: 1032A13168

Report Period: 2002 January - December
(year/quarter)

Well Name: 210 MD

Well Purged (Y/N): No

Classification of Groundwater: _____

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): _____

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
009501	Total Radium 226	Pump	N	903.1	09.24.02/---	0.4+/-0.5 pCi/l	---	N/A
011500	Total Radium 228	Pump	N	904.0	09.30.02/---	0.0+/-0.7 pCi/l	---	N/A

Attach Laboratory Reports

M226557*28

Sample Date/Time: 09-02-02 11:30

Report Period: 2002 January - December
(year/quarter)

Well Purged (Y/N): No

Well Type: ☐ Background
☒ Intermediate
☐ Compliance
☐ Other

☐ Compliance

☐ Other

☒ Attach Laboratory Reports

PART III ANALYTICAL RESULTS

M226557*29

Facility GMS#: 1037P37371

Sample Date/Time: 09-02-02 12:00

est Site ID#: 1032A11454

Report Period: 2002 January - December

(year/quarter)

Well Name: WSW 2

Well Purged (Y/N): No

Classification of Groundwater: _____

Well Type: ☐ Background☐ Intermediate☒ Compliance☐ Other

Groundwater Elevation(NGVD): _____

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
009501	Total Radium 226	Pump	N	903.1	09.25.02/---	0.0+/-0.4 pCi/l	---	N/A
011500	Total Radium 228	Pump	N	904.0	10.11.02/---	0.2+/-0.7 pCi/l	---	N/A

Attach Laboratory Reports

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1037P37371

Well Name (from permit) 203S Well Test Site # (from permit) 1032A13170

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 17.80

Distance from top of casing to bottom of well (feet) 23.15

Length of water column (feet) 5.35 Diameter of well casing (inches) 4

Volume of water column in well (gallons) 3.48

Top of casing elevation (feet NGVD) 62.78

Water level elevation (feet NGVD) 44.98

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>		<i>Narrative description required</i>
Rate(gpm): <u>2</u>	# Bailers removed <u>N/A</u>		
Purge Time: Start: <u>11:00</u> End: <u>11:15</u>			
Vol Purged (gals): <u>30</u>			

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>11:00</u>	<u>11:05</u>	<u>11:10</u>	<u>11:15</u>		
Time:						
Volume Removed (gals):	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>		
pH:	<u>8.8</u>	<u>6.9</u>	<u>7.0</u>	<u>7.0</u>		
Temp (C):	<u>25</u>	<u>24</u>	<u>24</u>	<u>24</u>		
Sp. Cond. (umhos/cm):	<u>500</u>	<u>450</u>	<u>440</u>	<u>440</u>		
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>9.5</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 9.2.02 Sample Time 11:15

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1037P37371

Well Name (from permit) 203MD Well Test Site # (from permit) 1032A13165

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 18.56

Distance from top of casing to bottom of well (feet) 52.50

Length of water column (feet) 33.94 Diameter of well casing (inches) 2

Volume of water column in well (gallons) 5.43

Top of casing elevation (feet NGVD) 63.13

Water level elevation (feet NGVD) 44.57

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>		<i>Narrative description required</i>
Rate(gpm): <u>1</u>	# Bailers removed <u>N/A</u>		
Purge Time: Start: <u>10:50</u> End: <u>11:15</u>			
Vol Purged (gals): <u>25</u>			

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

Time:	<u>10:50</u>	<u>10:57</u>	<u>11:05</u>	<u>11:15</u>	_____	_____
Volume Removed (gals):	<u>0</u>	<u>7</u>	<u>15</u>	<u>25</u>	_____	_____
pH:	<u>6.3</u>	<u>6.4</u>	<u>6.5</u>	<u>6.5</u>	_____	_____
Temp (C):	<u>23</u>	<u>24</u>	<u>24</u>	<u>24</u>	_____	_____
Sp. Cond. (umhos/cm):	<u>500</u>	<u>510</u>	<u>490</u>	<u>490</u>	_____	_____
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>27</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 9.2.02 Sample Time 11:15

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 204S Well Test Site # (from permit) 1032A13171

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 9.52

Distance from top of casing to bottom of well (feet) 25.53

Length of water column (feet) 16.01 Diameter of well casing (inches) 4

Volume of water column in well (gallons) 10.41

Top of casing elevation (feet NGVD) 107.89

Water level elevation (feet NGVD) 98.37

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER		OTHER
Type:	<u>Submersible</u>	Bailer vol. (gals)	<u>N/A</u>	<i>Narrative description required</i>
Rate(gpm):	<u>3</u>	# Bailers removed	<u>N/A</u>	
Purge Time:	Start: <u>9:45</u>	End: <u>10:00</u>		
Vol Purged (gals):	<u>30</u>			

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>9:45</u>	<u>9:50</u>	<u>9:55</u>	<u>10:00</u>		
Time:						
Volume Removed (gals):	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>		
pH:	<u>6.9</u>	<u>6.5</u>	<u>6.5</u>	<u>6.5</u>		
Temp (C):	<u>24</u>	<u>24</u>	<u>24</u>	<u>24</u>		
Sp. Cond. (umhos/cm):	<u>600</u>	<u>600</u>	<u>590</u>	<u>590</u>		
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>5.4</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 9.2.02 Sample Time 10:00

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 204MD Well Test Site # (from permit) 1032A13166

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 63.20

Distance from top of casing to bottom of well (feet) 76.85

Length of water column (feet) 13.65 Diameter of well casing (inches) 2

Volume of water column in well (gallons) 2.18

Top of casing elevation (feet NGVD) 108.01

Water level elevation (feet NGVD) 44.81

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type:	<u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>	<i>Narrative description required</i>
Rate(gpm):	<u>1</u>	# Bailers removed <u>N/A</u>	
Purge Time:	Start: <u>9:35</u> End: <u>10:00</u>		
Vol Purged (gals):	<u>25</u>		

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>9:35</u>	<u>9:45</u>	<u>9:55</u>	<u>10:00</u>		
Time:						
Volume Removed (gals):	<u>0</u>	<u>10</u>	<u>20</u>	<u>25</u>		
pH:	<u>7.2</u>	<u>7.1</u>	<u>7.1</u>	<u>7.1</u>		
Temp (C):	<u>24</u>	<u>25</u>	<u>25</u>	<u>25</u>		
Sp. Cond. (umhos/cm):	<u>250</u>	<u>250</u>	<u>250</u>	<u>250</u>		
Appearance:	<u>Clear/No Odor</u>					
DO:		Turb: <u>27.2</u>				

Sample Device Pump Hose Composition of Device Teflon

Sample Date 9.2.02 Sample Time 10:00

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 205S Well Test Site # (from permit) 1032A13172

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 17.73

Distance from top of casing to bottom of well (feet) 20.50

Length of water column (feet) 2.77 Diameter of well casing (inches) 4

Volume of water column in well (gallons) 1.80

Top of casing elevation (feet NGVD) 134.25

Water level elevation (feet NGVD) 116.52

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type:	<u>Submersible</u>	Bailer vol. (gals)	<u>N/A</u>
Rate(gpm):	<u>0.5</u>	# Bailers removed	<u>N/A</u>
Purge Time:	Start: <u>8:45</u>	End: <u>9:15</u>	<i>Narrative description required</i>
Vol Purged (gals):	<u>15</u>		

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>8:45</u>	<u>8:55</u>	<u>9:05</u>	<u>9:15</u>		
Time:						
Volume Removed (gals):	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>		
pH:	<u>6.4</u>	<u>6.4</u>	<u>6.4</u>	<u>6.4</u>		
Temp (C):	<u>25</u>	<u>25</u>	<u>25</u>	<u>25</u>		
Sp. Cond. (umhos/cm):	<u>55</u>	<u>50</u>	<u>50</u>	<u>50</u>		
Appearance:	<u>Clear/No odor</u>					
DO:		Turb:	<u>4</u>			

Sample Device Pump Hose Composition of Device Teflon

Sample Date 9.2.02 Sample Time 9:15

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 205MD Well Test Site # (from permit) 1032A12167

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 85.86

Distance from top of casing to bottom of well (feet) 95.87

Length of water column (feet) 10.01 Diameter of well casing (inches) 2

Volume of water column in well (gallons) 1.60

Top of casing elevation (feet NGVD) 135.06

Water level elevation (feet NGVD) 49.2

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>		<i>Narrative description required</i>
Rate(gpm): <u>0.5</u>	# Bailers removed <u>N/A</u>		
Purge Time: Start: <u>8:45</u> End: <u>9:15</u>			
Vol Purged (gals): <u>15</u>			

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

Time:	<u>8:45</u>	<u>8:55</u>	<u>9:05</u>	<u>9:15</u>	_____	_____
Volume Removed (gals):	<u>0</u>	<u>3.5</u>	<u>7</u>	<u>15</u>	_____	_____
pH:	<u>10.4</u>	<u>10.0</u>	<u>9.6</u>	<u>9.6</u>	_____	_____
Temp (C):	<u>24</u>	<u>24</u>	<u>24</u>	<u>24</u>	_____	_____
Sp. Cond. (umhos/cm):	<u>520</u>	<u>350</u>	<u>230</u>	<u>230</u>	_____	_____
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>1.2</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 9.2.02 Sample Time 9:15

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 210S Well Test Site # (from permit) 1032A13179

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 9.44

Distance from top of casing to bottom of well (feet) 11.50

Length of water column (feet) 2.06 Diameter of well casing (inches) 4

Volume of water column in well (gallons) 1.34

Top of casing elevation (feet NGVD) 93.5

Water level elevation (feet NGVD) 84.06

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>		<i>Narrative description required</i>
Rate(gpm): <u>1</u>	# Bailers removed <u>N/A</u>		
Purge Time: Start: <u>11:15</u> End: <u>11:30</u>			
Vol Purged (gals): <u>15</u>			

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

Time:	<u>11:15</u>	<u>11:20</u>	<u>11:25</u>	<u>11:30</u>	_____	_____
Volume Removed (gals):	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	_____	_____
pH:	<u>6.8</u>	<u>6.9</u>	<u>7.0</u>	<u>7</u>	_____	_____
Temp (C):	<u>26</u>	<u>26</u>	<u>25</u>	<u>25</u>	_____	_____
Sp. Cond. (umhos/cm):	<u>1000</u>	<u>1000</u>	<u>1100</u>	<u>1100</u>	_____	_____
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>2.3</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 9.2.02 Sample Time 11:30

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371
 Well Name (from permit) 210 MD Well Test Site # (from permit) 1032A13168
 Does well appear to be damaged in any way ? NO If YES, please explain: _____
 Distance from top of casing to top of water (feet) (0.01 precision) 51.97
 Distance from top of casing to bottom of well (feet) 67.12
 Length of water column (feet) 15.15 Diameter of well casing (inches) 2
 Volume of water column in well (gallons) 2.42
 Top of casing elevation (feet NGVD) 94.42
 Water level elevation (feet NGVD) 42.45
 NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP	BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>	<i>Narrative description required</i>
Rate(gpm): <u>1</u>	# Bailers removed <u>N/A</u>	
Purge Time: Start: <u>11:15</u> End: <u>11:30</u>		
Vol Purged (gals): <u>15</u>		

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>11:15</u>	<u>11:20</u>	<u>11:25</u>	<u>11:30</u>		
Time:						
Volume Removed (gals):	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>		
pH:	<u>6.5</u>	<u>6.4</u>	<u>6.2</u>	<u>6.2</u>		
Temp (C):	<u>25</u>	<u>26</u>	<u>25</u>	<u>25</u>		
Sp. Cond. (umhos/cm):	<u>2000</u>	<u>2000</u>	<u>2000</u>	<u>1900</u>		
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>3.8</u>					

Sample Device Pump Hose Composition of Device Teflon
 Sample Date 9.2.02 Sample Time 11:30
 Sample Collected by C. Rayborn of STL Mobile
 Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 212MD Well Test Site # (from permit) 1032A13169

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 29.95

Distance from top of casing to bottom of well (feet) 45.65

Length of water column (feet) 15.7 Diameter of well casing (inches) 2

Volume of water column in well (gallons) 2.51

Top of casing elevation (feet NGVD) 75

Water level elevation (feet NGVD) 45.05

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>	<i>Narrative description required</i>	
Rate(gpm): <u>1</u>	# Bailers removed <u>N/A</u>		
Purge Time: Start: <u>10:20</u> End: <u>10:50</u>			
Vol Purged (gals): <u>30</u>			

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>10:20</u>	<u>10:30</u>	<u>10:40</u>	<u>10:50</u>		
Time:						
Volume Removed (gals):	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>		
pH:	<u>8.1</u>	<u>7.9</u>	<u>7.5</u>	<u>7.5</u>		
Temp (C):	<u>24</u>	<u>24</u>	<u>24</u>	<u>24</u>		
Sp. Cond. (umhos/cm):	<u>410</u>	<u>370</u>	<u>370</u>	<u>370</u>		
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>10.3</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 9.2.02 Sample Time 10:50

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1037P37371

Well Name (from permit) WSW-2 Well Test Site # (from permit) 1032A11454

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) _____

Distance from top of casing to bottom of well (feet) _____

Length of water column (feet) _____ Diameter of well casing (inches) _____

Volume of water column in well (gallons) _____

Top of casing elevation (feet NGVD) _____

Water level elevation (feet NGVD) _____

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP	BAILER	OTHER
Type: <u>Well Spigot</u>	Bailer vol. (gals) _____	<i>Narrative description required</i>
Rate(gpm): _____	# Bailers removed _____	
Purge Time: Start: _____ End: _____		
Vol Purged (gals): _____		

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

Time:	<u>12:00</u>	_____	_____	_____	_____	_____
Volume Removed (gals):	_____	_____	_____	_____	_____	_____
pH:	<u>7.1</u>	_____	_____	_____	_____	_____
Temp (C):	<u>24</u>	_____	_____	_____	_____	_____
Sp. Cond. (umhos/cm):	<u>400</u>	_____	_____	_____	_____	_____
Appearance:	<u>Clear/No odor</u>					
DO: _____	Turb: <u>2.5</u>					

Sample Device Well Spigot Composition of Device Teflon

Sample Date 9.2.02 Sample Time 12:00

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

LOG NO: M2-26557
Received: 05 SEP 02
Reported: 04 OCT 02

Mr. Joe Neese
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Pensacola, FL 32520-0328

Project: Scholz Annual
Sampled By: Mobile Division (STL)
Code: 154221011

REPORT OF RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED				
26557-1	Scholz MW-203S	09-02-02/11:15				
26557-2	Scholz MW-203MD	09-02-02/11:15				
26557-3	Scholz MW-204S	09-02-02/10:00				
26557-4	Scholz MW-204MD	09-02-02/10:00				
26557-5	Scholz MW-205S	09-02-02/09:15				
PARAMETER	26557-1	26557-2	26557-3	26557-4	26557-5	
Chloride (325.2), mg/l	4.7	7.5	8.9	4.2	3.8	
Analysis Date	09.12.02	09.12.02	09.12.02	09.12.02	09.12.02	
Analysis Time	11:04	11:04	11:04	11:04	11:04	
Batch ID	0912A	0912A	0912A	0912A	0912A	
Analyst	BM	BM	BM	BM	BM	
Sulfate as SO4 (9038), mg/l	18	55	<5.0	54	<5.0	
Analysis Date	09.09.02	09.09.02	09.09.02	09.09.02	09.09.02	
Analysis Time	12:00	12:00	12:00	12:00	12:00	
Batch ID	0909A	0909A	0909A	0909A	0909A	
Analyst	RDM	RDM	RDM	RDM	RDM	
Total Dissolved Solids (160.1), mg/l	200	320	320	83	76	
Analysis Date	09.05.02	09.05.02	09.05.02	09.05.02	09.05.02	
Analysis Time	15:15	15:15	15:15	15:15	15:15	
Batch ID	0905A	0905A	0905A	0905A	0905A	
Analyst	SS	SS	SS	SS	SS	

LOG NO: M2-26557

Received: 05 SEP 02

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Sampled By: Mobile Division (STL)

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					DATE/ TIME SAMPLED
26557-1	Scholz MW-203S					09-02-02/11:15
26557-2	Scholz MW-203MD					09-02-02/11:15
26557-3	Scholz MW-204S					09-02-02/10:00
26557-4	Scholz MW-204MD					09-02-02/10:00
26557-5	Scholz MW-205S					09-02-02/09:15
PARAMETER	26557-1	26557-2	26557-3	26557-4	26557-5	
ICP Metals (200.7)						
Aluminum, mg/l	<0.20	<0.20	<0.20	1.6	<0.20	
Arsenic, mg/l	<0.010	0.019	<0.010	<0.010	<0.010	
Cadmium, mg/l	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Chromium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	
Iron, mg/l	48	4.1	19	1.0	<0.050	
Lead, mg/l	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Manganese, mg/l	4.4	2.8	1.7	0.037	<0.010	
Selenium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	
Analysis Date	09.11.02	09.11.02	09.11.02	09.11.02	09.11.02	
Analysis Time	22:06	22:06	22:06	22:06	22:06	
Batch ID	0907T	0907T	0907T	0907T	0907T	
Analyst	MB	MB	MB	MB	MB	
Mercury (245.1), mg/l						
Analysis Date	09.09.02	09.09.02	09.09.02	09.09.02	09.09.02	
Analysis Time	16:23	16:23	16:23	16:23	16:23	
Batch ID	0909M1	0909M1	0909M1	0909M1	0909M1	
Analyst	RJB	RJB	RJB	RJB	RJB	
Gross Alpha (900.0), pCi/l						
Analysis Date	09.20.02	09.20.02	09.21.02	09.21.02	09.21.02	

LOG NO: M2-26557
 Received: 05 SEP 02
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 Code: 130321014
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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES				DATE/ TIME SAMPLED
26557-1	Scholz MW-203S				09-02-02/11:15
26557-2	Scholz MW-203MD				09-02-02/11:15
26557-3	Scholz MW-204S				09-02-02/10:00
26557-4	Scholz MW-204MD				09-02-02/10:00
26557-5	Scholz MW-205S				09-02-02/09:15
PARAMETER	26557-1	26557-2	26557-3	26557-4	26557-5
Field pH (150.1), units	7.0	6.5	6.5	7.3	6.5
Specific Conductance (Taken in Field) (120.1), umhos/cm	440	410	590	250	50
Turbidity (taken in field) (180.1), NTU	9.5	27	5.4	27	4.0
Depth to Groundwater from T.O.C. (EPASOP), ft.	17.80	18.56	9.52	63.20	17.73
Water Elevation (ft. above NGVD), ft.	44.98	44.57	98.37	44.81	116.52

LOG NO: M2-26557
Received: 05 SEP 02
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Sampled By: Mobile Division (STL)
Code: 154221011

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED			
26557-6	Scholz MW-205MD	09-02-02/09:15			
26557-7	Scholz MW-210S	09-02-02/11:30			
26557-8	Scholz MW-210MD	09-02-02/11:30			
26557-9	Scholz MW-212MD	09-02-02/10:50			
26557-10	Scholz WSW-2	09-02-02/12:00			
PARAMETER	26557-6	26557-7	26557-8	26557-9	26557-10
Chloride (325.2), mg/l	4.2	4.0	19	4.6	15
Analysis Date	09.12.02	09.12.02	09.12.02	09.12.02	09.12.02
Analysis Time	11:04	11:04	11:04	11:04	11:04
Batch ID	0912A	0912A	0912A	0912A	0912A
Analyst	BM	BM	BM	BM	BM
Sulfate as SO4 (9038), mg/l	<5.0	39	960	22	5.1
Analysis Date	09.09.02	09.09.02	09.09.02	09.09.02	09.09.02
Analysis Time	12:00	12:00	12:00	12:00	12:00
Batch ID	0909A	0909A	0909A	0909A	0909A
Analyst	RDM	RDM	RDM	RDM	RDM
Total Dissolved Solids (160.1), mg/l	17	370	2100	180	140
Analysis Date	09.05.02	09.05.02	09.05.02	09.05.02	09.05.02
Analysis Time	15:15	15:15	15:15	15:15	15:15
Batch ID	0905A	0905A	0905A	0905A	0905A
Analyst	SS	SS	SS	SS	SS

LOG NO: M2-26557
Received: 05 SEP 02
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Code: 154221011

REPORT OF RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED			
26557-6	Scholz MW-205MD	09-02-02/09:15			
26557-7	Scholz MW-210S	09-02-02/11:30			
26557-8	Scholz MW-210MD	09-02-02/11:30			
26557-9	Scholz MW-212MD	09-02-02/10:50			
26557-10	Scholz WSW-2	09-02-02/12:00			
PARAMETER	26557-6	26557-7	26557-8	26557-9	26557-10
ICP Metals (200.7)					
Aluminum, mg/l	<0.20	0.69	<0.20	<0.20	<0.20
Arsenic, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium, mg/l	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chromium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Iron, mg/l	0.32	1.9	72	0.12	<0.050
Lead, mg/l	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Manganese, mg/l	<0.010	0.32	2.0	0.014	<0.010
Selenium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Analysis Date	09.11.02	09.11.02	09.11.02	09.11.02	09.11.02
Analysis Time	22:06	22:06	22:06	22:06	22:06
Batch ID	0907T	0907T	0907T	0907T	0907T
Analyst	MB	MB	MB	MB	MB
Mercury (245.1), mg/l					
Analysis Date	09.09.02	09.09.02	09.09.02	09.09.02	09.09.02
Analysis Time	16:23	16:23	16:23	16:23	16:23
Batch ID	0909M1	0909M1	0909M1	0909M1	0909M1
Analyst	RJB	RJB	RJB	RJB	RJB
Gross Alpha (900.0), pCi/l					
Analysis Date	09.21.02	09.21.02	09.21.02	09.23.02	09.23.02

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED			
26557-6	Scholz MW-205MD	09-02-02/09:15			
26557-7	Scholz MW-210S	09-02-02/11:30			
26557-8	Scholz MW-210MD	09-02-02/11:30			
26557-9	Scholz MW-212MD	09-02-02/10:50			
26557-10	Scholz WSW-2	09-02-02/12:00			
PARAMETER	26557-6	26557-7	26557-8	26557-9	26557-10
Field pH (150.1), units	9.6	7.0	6.2	7.3	7.1
Specific Conductance (Taken in Field) (120.1), umhos/cm	230	1100	1900	340	400
Turbidity (taken in field) (180.1), NTU	1.2	2.3	3.8	10	2.5
Depth to Groundwater from T.O.C. (EPASOP), ft.	85.86	9.44	51.97	29.95	NA
Water Elevation (ft. above NGVD), ft.	49.2	84.06	42.45	45.05	NA

REFERENCE: EPA 40 CFR Part 136
Savannah Laboratories Florida DHRS Certification No. E87089 and DEP CQAP
No. 890142G.

LOG NO: M2-26557
Received: 05 SEP 02
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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED			
26557-11	Scholz MW-103	09-04-02			
26557-12	Scholz MW-105	09-04-02			
26557-13	Scholz MW-110A	09-04-02			
26557-14	Scholz MW-112	09-04-02			
PARAMETER	26557-11	26557-12	26557-13	26557-14	
Depth to Groundwater from T.O.C. (EPASOP), ft.	17.24	84.82	48.01	25.32	

LOG NO: M2-26557
Received: 05 SEP 02
Reported: 04 OCT 02

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Project: Scholz Annual
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Code: 154621011

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED			
26557-24	203 MD	09-02-02			
26557-25	203 S	09-02-02			
26557-26	204 S	09-02-02			
26557-27	210 MD	09-02-02			
26557-28	210 S	09-02-02			
PARAMETER	26557-24	26557-25	26557-26	26557-27	26557-28
Total Radium 226 (903.1), pCi/l	1.7+/-0.9	0.3+/-0.6	0.4+/-0.5	0.4+/-0.5	0.9+/-0.5
Analysis Date	09.24.02	09.24.02	09.25.02	09.24.02	09.24.02
Total Radium 228 (904.0), pCi/l	1.5+/-1.1	1.0+/-1.1	0.5+/-0.7	0.0+/-0.7	0.0+/-0.8
Analysis Date	09.25.02	09.25.02	10.11.02	09.30.02	09.30.02

SEVERN**TRENT****SERVICES**

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STL Mobile

LOG NO: M2-26557

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Project: Scholz Annual
Sampled By: Mobile Division (STL)

Code: 154221011

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
26557-29	WSW 2	09-02-02
PARAMETER	26557-29	
Total Radium 226 (903.1), pCi/l	0.0+/-0.4	
Analysis Date	09.25.02	
Total Radium 228 (904.0), pCi/l	0.2+/-0.7	
Analysis Date	10.11.02	

SEVERN

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LOG NO: M2-26557
 Received: 05 SEP 02
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Project: Scholz Annual
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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED			
26557-19	Equipment Blank	09-02-02			
26557-20	Method Blank				
26557-21	Lab Control Standard % Recovery				
26557-22	Precision (%RPD) of LCS/LCSD				
26557-23	Reporting Limit (RL)				
PARAMETER	26557-19	26557-20	26557-21	26557-22	26557-23
Chloride (325.2), mg/l	<1.0	<1.0	100 %	1.0 %	1.0
Analysis Date	09.12.02	09.12.02	09.12.02	---	---
Analysis Time	11:04	11:04	11:04	---	---
Batch ID	0912A	0912A	0912A	0912A	---
Analyst	BM	BM	BM	---	---
Sulfate as SO4 (9038), mg/l	<5.0	<5.0	94 %	2.8 %	5.0
Analysis Date	09.09.02	09.09.02	09.09.02	---	---
Analysis Time	12:00	12:00	12:00	---	---
Batch ID	0909A	0909A	0909A	0909A	---
Analyst	RDM	RDM	RDM	---	---
Total Dissolved Solids (160.1), mg/l	<5.0	<5.0	98 %	1.0 %	---
Analysis Date	09.06.02	09.05.02	09.05.02	---	---
Analysis Time	16:20	15:15	15:15	---	---
Batch ID	0906A	0905A	0905A	0905A	---
Analyst	SS	SS	SS	---	---

LOG NO: M2-26557
 Received: 05 SEP 02
 Reported: 04 OCT 02

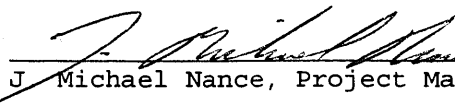
Mr. Joe Neese
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Project: Scholz Annual
 Sampled By: Mobile Division (STL)
 Code: 154821011

REPORT OF RESULTS

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LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED			
26557-19	Equipment Blank	09-02-02			
26557-20	Method Blank				
26557-21	Lab Control Standard % Recovery				
26557-22	Precision (%RPD) of LCS/LCSD				
26557-23	Reporting Limit (RL)				
PARAMETER	26557-19	26557-20	26557-21	26557-22	26557-23
ICP Metals (200.7)					
Aluminum, mg/l	<0.20	<0.20	99 %	3.1 %	0.20
Arsenic, mg/l	<0.010	<0.010	100 %	2.0 %	0.010
Cadmium, mg/l	<0.0050	<0.0050	104 %	0 %	0.0050
Chromium, mg/l	<0.010	<0.010	104 %	1.9 %	0.010
Iron, mg/l	<0.050	<0.050	99 %	2.0 %	0.050
Lead, mg/l	<0.0050	<0.0050	103 %	2.0 %	0.0050
Manganese, mg/l	<0.010	<0.010	103 %	1.9 %	0.010
Nickel, mg/l	<0.040	<0.040	101 %	0 %	0.040
Selenium, mg/l	<0.010	<0.010	102 %	2.0 %	0.010
Analysis Date	09.11.02	09.11.02	09.11.02	---	---
Analysis Time	22:06	22:06	22:06	---	---
Batch ID	0907T	0907T	0907T	0907T	0907T
Analyst	MB	MB	MB	---	---
Mercury (245.1), mg/l	<0.00020	<0.00020	90 %	5.5 %	0.00020
Analysis Date	09.09.02	09.09.02	09.09.02	---	---
Analysis Time	16:23	16:23	16:23	---	---
Batch ID	0909M1	0909M1	0909M1	0909M1	---
Analyst	RJB	RJB	RJB	---	---


 J Michael Nance, Project Manager

Final Page Of Report

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date

DEP Application No.

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Scholz Plant

Address 1460 Gulf Power Road

City Sneads

Zip 32460

Telephone Number (850) 444-6429

(2) The GMS Identification Number 1032A13170

(3) DEP Permit Number FL 000 2283

(4) Authorized Representative Name James O. Vick

Address One Energy Place

City Pensacola

Zip 32520-0328

Telephone Number (850) 444-6311

(5) Type of Discharge Electric Utility

(6) Method of Discharge Ash Pond

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: November 28, 2001



Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # 890142G

Analytical Lab Comp QAP # /HRS Certification # 890142G

*Comp QAP # /HRS Certification # 890142G

Lab Name STL - Mobile

Address 900 Lakeside Drive Mobile, Alabama

Phone Number (334) 666-6633

PART III ANALYTICAL RESULTS

Facility GMS#: 1032P37371 Sample Date/Time: 08/20/01 01:30PM
 Test Site ID#: 1032A13170 Report Period: 2001 Annual
 (year/quarter)
 Well Name: Scholz MW-203S Well Purged (Y/N): Yes
 Classification of Groundwater: _____ Well Type: ☐ Background
 Groundwater Elevation(NGVD): 50.68 ☐ Intermediate
 (MSL): _____ ☒ Compliance
☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	08.29.01/12:44	5.6 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	4500D	08.28.01/11:35	19 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	08.28.01/14:00	210 mg/l	5.0 mg/l	4C
001105	Aluminum	Pump	N	200.7	08.23.01/16:29	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	08.23.01/16:29	48 mg/l	0.050 mg/l	HNO3
212	Lead	Pump	N	3113B	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	08.23.01/16:29	3.4 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.040 mg/l	HNO3
900213	Mercury	Pump	N	3112B	08.29.01/10:20	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.04.01/15:00	4.8+/-0.7 pCi/l		HNO3
000400	pH	Pump	N	150.1	08.20.01/13:30	7.0 units		
000095	Specific Conductance	Pump	N	120.1	08.20.01/13:30	440 umhos/cm		
082078	Turbidity	Pump	N	180.1	08.20.01/13:30	12 NTU		
082545	Water Level	Pump	N	EPA SOP	08.20.01/13:30	12.10 ft.		

Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS#: 1032P37371 Sample Date/Time: 08/20/01 01:20PM
est Site ID#: 1032A13165 Report Period: 2001 Annual
(year/quarter)
Well Name: Scholz MW-203MD Well Purged (Y/N): Yes
Classification of Groundwater: _____ Well Type: ☐ Background
☐ Intermediate
Groundwater Elevation(NGVD): 44.75 ☒ Compliance
☐ Other
(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	08.29.01/12:44	6.1 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	4500D	08.28.01/11:35	48 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	08.28.01/14:00	260 mg/l	5.0 mg/l	4C
001105	Aluminum	Pump	N	200.7	08.23.01/16:29	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	3114B	08.23.01/16:29	0.044 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	08.23.01/16:29	6.0 mg/l	0.050 mg/l	HNO3
0212	Lead	Pump	N	3113B	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	08.23.01/16:29	1.4 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.040 mg/l	HNO3
900213	Mercury	Pump	N	3112B	08.29.01/16:29	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.04.01/10:20	3.1+/-0.6 pCi/l		HNO3
000400	pH	Pump	N	150.1	08.20.01/13:20	6.5 units		
000095	Specific Conductance	Pump	N	120.1	08.20.01/13:20	410 umhos/cm		
082078	Turbidity	Pump	N	180.1	08.20.01/13:20	31 NTU		
082545	Water Level	Pump	N	EPA SOP	08.20.01/13:20	18.38 ft.		

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PART III ANALYTICAL RESULTS

Facility GMS#: 1032P37371 Sample Date/Time: 08/20/01 03:40PM
 Test Site ID#: 1032A13171 Report Period: 2001 Annual
 (year/quarter)
 Well Name: Scholz MW-204S Well Purged (Y/N): Yes
 Classification of Groundwater: _____ Well Type: ☐ Background
 Groundwater Elevation(NGVD): 98.81 ☒ Intermediate
 (MSL): _____ ☐ Compliance
☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	08.29.01/12:44	9.3 mg/l	1.0 mg/l	4C
000945	Sulfate as SO ₄	Pump	N	4500D	08.28.01/11:35	72 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	08.28.01/14:00	360 mg/l	5.0 mg/l	4C
001105	Aluminum	Pump	N	200.7	08.23.01/16:29	<0.20 mg/l	0.20 mg/l	HNO ₃
900208	Arsenic	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO ₃
900210	Cadmium	Pump	N	200.7	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO ₃
900211	Chromium	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO ₃
074010	Iron	Pump	N	200.7	08.23.01/16:29	10 mg/l	0.050 mg/l	HNO ₃
07212	Lead	Pump	N	3113B	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO ₃
000220	Manganese	Pump	N	200.7	08.23.01/16:29	1.4 mg/l	0.010 mg/l	HNO ₃
900214	Selenium	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.040 mg/l	HNO ₃
900213	Mercury	Pump	N	3112B	08.29.01/16:29	<0.00020 mg/l	0.00020 mg/l	HNO ₃
001515	Gross Alpha	Pump	N	900.0	09.04.01/10:20	2.7+/-0.7 pCi/l		HNO ₃
000400	pH	Pump	N	150.1	08.20.01/15:40	6.5 units		
000095	Specific Conductance	Pump	N	120.1	08.20.01/15:40	550 umhos/cm		
082078	Turbidity	Pump	N	180.1	08.20.01/15:40	17 NTU		
082545	Water Level	Pump	N	EPA SOP	08.20.01/15:40	9.08 ft.		

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PART III ANALYTICAL RESULTS

Facility GMS#: 1032P37371 Sample Date/Time: 08/20/01 03:30PM

Test Site ID#: 1032A13166 Report Period: 2001 Annual
(year/quarter)

Well Name: Scholz MW-204MD Well Purged (Y/N): Yes

Classification of Groundwater: _____ Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 47.22
(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	08.29.01/12:44	4.3 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	4500D	08.28.01/11:35	5.1 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	08.28.01/14:00	130 mg/l	5.0 mg/l	4C
001105	Aluminum	Pump	N	200.7	08.23.01/16:29	1.6 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	08.23.01/16:29	0.011 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	08.23.01/16:29	0.89 mg/l	0.050 mg/l	HNO3
212	Lead	Pump	N	3113B	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	08.23.01/16:29	0.034 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.040 mg/l	HNO3
900213	Mercury	Pump	N	3112B	08.29.01/16:29	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.04.01/10:20	1.7+/-0.4 pCi/l		HNO3
000400	pH	Pump	N	150.1	08.20.01/15:30	7.3 units		
000095	Specific Conductance	Pump	N	120.1	08.20.01/15:30	250 umhos/cm		
082078	Turbidity	Pump	N	180.1	08.20.01/15:30	29 NTU		
082545	Water Level	Pump	N	EPA SOP	08.20.01/15:30	60.79 ft.		

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PART III ANALYTICAL RESULTS

Facility GMS#: 1032P37371 Sample Date/Time: 08/20/01 01:07PM

Test Site ID#: 1032A13172 Report Period: 2001 Annual
(year/quarter)

Well Name: Scholz MW-205S Well Purged (Y/N): Yes

Classification of Groundwater: _____ Well Type: ☒ Background
☐ Intermediate
☐ Compliance
☐ Other

Groundwater Elevation(NGVD): 123.13
(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	08.29.01/12:44	3.9 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	4500D	08.28.01/11:35	<5.0 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	08.28.01/14:00	10 mg/l	5.0 mg/l	4C
001105	Aluminum	Pump	N	200.7	08.23.01/16:29	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	08.23.01/16:29	<0.050 mg/l	0.050 mg/l	HNO3
212	Lead	Pump	N	3113B	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.040 mg/l	HNO3
900213	Mercury	Pump	N	3112B	08.29.01/16:29	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.04.01/10:20	0.4+/-0.2 pCi/l		HNO3
000400	pH	Pump	N	150.1	08.20.01/13:07	6.5 units		
000095	Specific Conductance	Pump	N	120.1	08.20.01/13:07	50 umhos/cm		
082078	Turbidity	Pump	N	180.1	08.20.01/13:07	9 NTU		
082545	Water Level	Pump	N	EPA SOP	08.20.01/13:07	11.12 ft.		

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PART III ANALYTICAL RESULTS

Facility GMS#: 1032P37371 Sample Date/Time: 08/20/01 01:05PM

Test Site ID#: 1032A13167 Report Period: 2001 Annual
(year/quarter)

Well Name: Scholz MW-205MD Well Purged (Y/N): Yes

Classification of Groundwater: _____ Well Type: ☒ Background
☐ Intermediate
☐ Compliance
☐ Other

Groundwater Elevation(NGVD): 43.17
(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	08.29.01/12:44	3.4 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	4500D	08.28.01/11:35	<5.0 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	08.28.01/14:00	76 mg/l	5.0 mg/l	4C
001105	Aluminum	Pump	N	200.7	08.23.01/16:29	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	08.23.01/16:29	<0.050 mg/l	0.050 mg/l	HNO3
212	Lead	Pump	N	3113B	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.040 mg/l	HNO3
900213	Mercury	Pump	N	3112B	08.29.01/16:29	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.04.01/10:20	1.4+/-0.4 pCi/l		HNO3
000400	pH	Pump	N	150.1	08.20.01/13:05	9.3 units		
000095	Specific Conductance	Pump	N	120.1	08.20.01/13:05	350 umhos/cm		
082078	Turbidity	Pump	N	180.1	08.20.01/13:05	16 NTU		
082545	Water Level	Pump	N	EPA SOP	08.20.01/13:05	91.89 ft.		

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PART III ANALYTICAL RESULTS

Facility GMS#: 1032P37371 Sample Date/Time: 08/20/01 04:25PM

Test Site ID#: 1032A13173 Report Period: 2001 Annual
(year/quarter)

Well Name: Scholz MW-210S Well Purged (Y/N): Yes

Classification of Groundwater: _____ Well Type: ☐ Background
☒ Intermediate
☐ Compliance
☐ Other

Groundwater Elevation(NGVD): 84.18
(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	08.29.01/12:44	5.7 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	4500D	08.28.01/11:35	5200 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	08.28.01/14:00	530 mg/l	5.0 mg/l	4C
001105	Aluminum	Pump	N	200.7	08.23.01/16:29	0.33 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	08.23.01/16:29	0.28 mg/l	0.050 mg/l	HNO3
212	Lead	Pump	N	3113B	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	08.23.01/16:29	0.022 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.040 mg/l	HNO3
900213	Mercury	Pump	N	3112B	08.29.01/16:29	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.04.01/10:20	3.8+/-0.9 pCi/l		HNO3
000400	pH	Pump	N	150.1	08.20.01/16:25	6.9 units		
000095	Specific Conductance	Pump	N	120.1	08.20.01/16:25	1000 umhos/cm		
082078	Turbidity	Pump	N	180.1	08.20.01/16:25	10 NTU		
082545	Water Level	Pump	N	EPA SOP	08.20.01/16:25	9.32 ft.		

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PART III ANALYTICAL RESULTS

Facility GMS#: 1032P37371 Sample Date/Time: 08/20/01 04:05PM

Test Site ID#: 1032A13168 Report Period: 2001 Annual
(year/quarter)

Well Name: Scholz MW-210MD Well Purged (Y/N): Yes

Classification of Groundwater: _____ Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 44.64
(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	08.29.01/12:44	18 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	4500D	08.28.01/11:35	1200 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	08.28.01/14:00	2000 mg/l	5.0 mg/l	4C
001105	Aluminum	Pump	N	200.7	08.23.01/16:29	<0.20 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	08.23.01/16:29	60 mg/l	0.050 mg/l	HNO3
07212	Lead	Pump	N	3113B	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	08.23.01/16:29	1.9 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.040 mg/l	HNO3
900213	Mercury	Pump	N	3112B	08.29.01/16:29	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.04.01/10:20	3.1+/-2.4 pCi/l		HNO3
000400	pH	Pump	N	150.1	08.20.01/16:05	6.2 units		
000095	Specific Conductance	Pump	N	120.1	08.20.01/16:05	1900 umhos/cm		
082078	Turbidity	Pump	N	180.1	08.20.01/16:05	7 NTU		
082545	Water Level	Pump	N	EPA SOP	08.20.01/16:05	49.78 ft.		

Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS#: 1032P37371

Sample Date/Time: 08/20/01 01:55PM

Test Site ID#: 1032A13169

Report Period: 2001 Annual
(year/quarter)

Well Name: Scholz MW-212MD

Well Purged (Y/N): Yes

Classification of Groundwater: _____

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): 46.76

(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	08.29.01/12:44	4.9 mg/l	1.0 mg/l	4C
000945	Sulfate as SO ₄	Pump	N	4500D	08.28.01/11:35	24 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	08.28.01/14:00	190 mg/l	5.0 mg/l	4C
001105	Aluminum	Pump	N	200.7	08.23.01/16:29	<0.20 mg/l	0.20 mg/l	HNO ₃
900208	Arsenic	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO ₃
900210	Cadmium	Pump	N	200.7	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO ₃
900211	Chromium	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO ₃
074010	Iron	Pump	N	200.7	08.23.01/16:29	0.058 mg/l	0.050 mg/l	HNO ₃
0212	Lead	Pump	N	3113B	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO ₃
900220	Manganese	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO ₃
900214	Selenium	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.040 mg/l	HNO ₃
900213	Mercury	Pump	N	3112B	08.29.01/16:29	<0.00020 mg/l	0.00020 mg/l	HNO ₃
001515	Gross Alpha	Pump	N	900.0	09.04.01/10:20	1.2+/-0.4 pCi/l		HNO ₃
000400	pH	Pump	N	150.1	08.20.01/13:55	7.3 units		
000095	Specific Conductance	Pump	N	120.1	08.20.01/13:55	340 umhos/cm		
082078	Turbidity	Pump	N	180.1	08.20.01/13:55	15 NTU		
082545	Water Level	Pump	N	EPA SOP	08.20.01/13:55	28.24 ft.		

Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS#: 1032P37371

Sample Date/Time: 08/20/01 10:35AM

Test Site ID#: 1032A11454

Report Period: 2001 Annual
(year/quarter)

Well Name: Scholz WSW-2

Well Purged (Y/N):

Classification of Groundwater:

Well Type: ☐ Background
☐ Intermediate
☒ Compliance
☐ Other

Groundwater Elevation(NGVD): NA

(MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000940	Chloride	Pump	N	325.2	08.29.01/12:44	32 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	4500D	08.28.01/11:35	<5.0 mg/l	5.0 mg/l	4C
070296	Total Dissolved Solids	Pump	N	160.1	08.28.01/14:00	170 mg/l	5.0 mg/l	4C
001105	Aluminum	Pump	N	200.7	08.23.01/16:29	0.36 mg/l	0.20 mg/l	HNO3
900208	Arsenic	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
900210	Cadmium	Pump	N	200.7	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900211	Chromium	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
074010	Iron	Pump	N	200.7	08.23.01/16:29	<0.050 mg/l	0.050 mg/l	HNO3
212	Lead	Pump	N	3113B	08.23.01/16:29	<0.0050 mg/l	0.0050 mg/l	HNO3
900220	Manganese	Pump	N	200.7	08.23.01/16:29	<0.010 mg/l	0.010 mg/l	HNO3
900214	Selenium	Pump	N	3114B	08.23.01/16:29	<0.010 mg/l	0.040 mg/l	HNO3
900213	Mercury	Pump	N	3112B	08.29.01/16:29	<0.00020 mg/l	0.00020 mg/l	HNO3
001515	Gross Alpha	Pump	N	900.0	09.04.01/10:20	1.0+/-0.4 pCi/l		HNO3
000400	pH	Pump	N	150.1	08.20.01/10:35	6.2 units		
000095	Specific Conductance	Pump	N	120.1	08.20.01/10:35	410 umhos/cm		
082078	Turbidity	Pump	N	180.1	08.20.01/10:35	3.9 NTU		
082545	Water Level	Pump	N	EPA SOP	08.20.01/10:35	NA ft.		

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11455

Sample Period From month/Year: January 2001 To Month/Year : December 2001

Well Type: Water Elevation

Date Sample Obtained: August 20, 2001

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-103

Parameter	Store Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	16.95 feet	0.01 feet

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11459

Sample Period From month/Year: January 2001 To Month/Year : December 2001

Well Type: Water Elevation

Date Sample Obtained: August 20, 2001

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-112

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	24.82 feet	0.01 feet

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 203S Well Test Site # (from permit) 1032A13170

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 12.10

Distance from top of casing to bottom of well (feet) 23.15

Length of water column (feet) 11.05 Diameter of well casing (inches) 4

Volume of water column in well (gallons) 7.18

Top of casing elevation (feet NGVD) 62.78

Water level elevation (feet NGVD) 50.68

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP	BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>	<i>Narrative description required</i>
Rate(gpm): <u>1</u>	# Bailers removed <u>N/A</u>	
Purge Time: Start: <u>13:00</u> End: <u>13:30</u>		
Vol Purged (gals): <u>30</u>		

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>13:00</u>	<u>13:06</u>	<u>13:12</u>	<u>13:18</u>	<u>13:24</u>	<u>13:30</u>
Time:						
Volume Removed (gals):	<u>0</u>	<u>6</u>	<u>12</u>	<u>18</u>	<u>24</u>	<u>30</u>
pH:	<u>6.5</u>	<u>6.9</u>	<u>6.9</u>	<u>7</u>	<u>7</u>	<u>7</u>
Temp (C):	<u>24</u>	<u>24</u>	<u>24</u>	<u>24</u>	<u>24</u>	<u>24</u>
Sp. Cond. (umhos/cm):	<u>450</u>	<u>440</u>	<u>440</u>	<u>440</u>	<u>440</u>	<u>440</u>
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>12</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 8.20.01 Sample Time 13:30

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 204S Well Test Site # (from permit) 1032A13171

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 9.08

Distance from top of casing to bottom of well (feet) 25.35

Length of water column (feet) 16.27 Diameter of well casing (inches) 4

Volume of water column in well (gallons) 10.58

Top of casing elevation (feet NGVD) 107.89

Water level elevation (feet NGVD) 98.81

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>		<i>Narrative description required</i>
Rate(gpm): <u>1</u>	# Bailers removed <u>N/A</u>		
Purge Time: Start: <u>15:15</u> End: <u>15:40</u>			
Vol Purged (gals): <u>25</u>			

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>15:15</u>	<u>15:20</u>	<u>15:25</u>	<u>15:30</u>	<u>15:35</u>	<u>15:40</u>
Time:						
Volume Removed (gals):	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>
pH:	<u>6.7</u>	<u>6.6</u>	<u>6.5</u>	<u>6.5</u>	<u>6.5</u>	<u>6.5</u>
Temp (C):	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>
Sp. Cond. (umhos/cm):	<u>570</u>	<u>560</u>	<u>550</u>	<u>550</u>	<u>550</u>	<u>550</u>
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>17</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 8.20.01 Sample Time 15:40

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 204MD Well Test Site # (from permit) 1032A13166

Does well appear to be damaged In any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 60.79

Distance from top of casing to bottom of well (feet) 76.85

Length of water column (feet) 16.06 Diameter of well casing (inches) 2

Volume of water column in well (gallons) 2.57

Top of casing elevation (feet NGVD) 108.01

Water level elevation (feet NGVD) 47.22

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type:	<u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>	<i>Narrative description required</i>
Rate(gpm):	<u>1</u>	# Bailers removed <u>N/A</u>	
Purge Time:	Start: <u>15:15</u> End: <u>15:30</u>		
Vol Purged (gals):	<u>15</u>		

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>15:15</u>	<u>15:18</u>	<u>15:21</u>	<u>15:24</u>	<u>15:27</u>	<u>15:30</u>
Time:						
Volume Removed (gals):	<u>0</u>	<u>3</u>	<u>6</u>	<u>9</u>	<u>12</u>	<u>15</u>
pH:	<u>7.0</u>	<u>7.2</u>	<u>7.2</u>	<u>7.3</u>	<u>7.3</u>	<u>7.3</u>
Temp (C):	<u>21</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>
Sp. Cond. (umhos/cm):	<u>250</u>	<u>250</u>	<u>250</u>	<u>250</u>	<u>250</u>	<u>250</u>
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>29</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 8.20.01 Sample Time 15:30

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 205S Well Test Site # (from permit) 1032A13172

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 11.12

Distance from top of casing to bottom of well (feet) 20.50

Length of water column (feet) 9.38 Diameter of well casing (inches) 4

Volume of water column in well (gallons) 6.10

Top of casing elevation (feet NGVD) 134.25

Water level elevation (feet NGVD) 123.13

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>		<i>Narrative description required</i>
Rate(gpm): <u>1</u>	# Bailers removed <u>N/A</u>		
Purge Time: Start: <u>12:50</u> End: <u>13:05</u>			
Vol Purged (gals): <u>15</u>			

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>12:50</u>	<u>12:53</u>	<u>12:56</u>	<u>12:59</u>	<u>13:02</u>	<u>13:05</u>
Time:						
Volume Removed (gals):	<u>0</u>	<u>3</u>	<u>6</u>	<u>9</u>	<u>12</u>	<u>15</u>
pH:	<u>6.6</u>	<u>6.5</u>	<u>6.5</u>	<u>6.5</u>	<u>6.5</u>	<u>6.5</u>
Temp (C):	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>
Sp. Cond. (umhos/cm):	<u>46</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
Appearance:	<u>Clear/No odor</u>					
DO: _____	Turb: <u>9</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 8.20.01 Sample Time 13:05

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 205MD Well Test Site # (from permit) 1032A13167

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 91.89

Distance from top of casing to bottom of well (feet) 95.87

Length of water column (feet) 3.98 Diameter of well casing (inches) 2

Volume of water column in well (gallons) 0.64

Top of casing elevation (feet NGVD) 135.06

Water level elevation (feet NGVD) 43.17

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>		<i>Narrative description required</i>
Rate(gpm): <u>1</u>	# Bailers removed <u>N/A</u>		
Purge Time: Start: <u>12:50</u> End: <u>13:00</u>			
Vol Purged (gals): <u>10</u>			

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>12:50</u>	<u>12:52</u>	<u>12:54</u>	<u>12:56</u>	<u>12:58</u>	<u>13:00</u>
Time:						
Volume Removed (gals):	<u>0</u>	<u>2</u>	<u>4</u>	<u>6</u>	<u>8</u>	<u>10</u>
pH:	<u>10.2</u>	<u>10.1</u>	<u>9.5</u>	<u>9.3</u>	<u>9.3</u>	<u>9.3</u>
Temp (C):	<u>26</u>	<u>26</u>	<u>26</u>	<u>26</u>	<u>26</u>	<u>26</u>
Sp. Cond. (umhos/cm):	<u>490</u>	<u>350</u>	<u>350</u>	<u>350</u>	<u>350</u>	<u>350</u>
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>16</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 8.20.01 Sample Time 13:10

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 210S Well Test Site # (from permit) 1032A13173

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 9.32

Distance from top of casing to bottom of well (feet) 11.50

Length of water column (feet) 2.18 Diameter of well casing (inches) 4

Volume of water column in well (gallons) 1.42

Top of casing elevation (feet NGVD) 93.5

Water level elevation (feet NGVD) 84.18

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP		BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>		<i>Narrative description required</i>
Rate(gpm): <u>1</u>	# Bailers removed <u>N/A</u>		
Purge Time: Start: <u>15:45</u> End: <u>16:00</u>			
Vol Purged (gals): <u>15</u>			

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>15:45</u>	<u>15:48</u>	<u>15:51</u>	<u>15:54</u>	<u>15:57</u>	<u>16:00</u>
Time:						
Volume Removed (gals):	<u>0</u>	<u>3</u>	<u>6</u>	<u>9</u>	<u>12</u>	<u>15</u>
pH:	<u>6.8</u>	<u>6.9</u>	<u>6.9</u>	<u>6.9</u>	<u>6.9</u>	<u>6.9</u>
Temp (C):	<u>26</u>	<u>26</u>	<u>26</u>	<u>26</u>	<u>26</u>	<u>26</u>
Sp. Cond. (umhos/cm):	<u>1000</u>	<u>1000</u>	<u>1000</u>	<u>1000</u>	<u>1000</u>	<u>1000</u>
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>10</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 8.20.01 Sample Time 16:00

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 210 MD Well Test Site # (from permit) 1032A13168

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 49.78

Distance from top of casing to bottom of well (feet) 67.12

Length of water column (feet) 17.34 Diameter of well casing (inches) 2

Volume of water column in well (gallons) 2.77

Top of casing elevation (feet NGVD) 94.42

Water level elevation (feet NGVD) 44.64

NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP	BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>	<i>Narrative description required</i>
Rate(gpm): <u>1</u>	# Bailers removed <u>N/A</u>	
Purge Time: Start: <u>15:45</u> End: <u>16:00</u>		
Vol Purged (gals): <u>15</u>		

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

	<u>15:45</u>	<u>15:48</u>	<u>15:51</u>	<u>15:54</u>	<u>15:57</u>	<u>16:00</u>
Time:						
Volume Removed (gals):	<u>0</u>	<u>3</u>	<u>6</u>	<u>9</u>	<u>12</u>	<u>15</u>
pH:	<u>6.3</u>	<u>6.2</u>	<u>6.2</u>	<u>6.2</u>	<u>6.2</u>	<u>6.2</u>
Temp (C):	<u>25</u>	<u>24</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>
Sp. Cond. (umhos/cm):	<u>1900</u>	<u>1900</u>	<u>1900</u>	<u>1900</u>	<u>1900</u>	<u>1900</u>

Appearance: Clear/No Odor

DO: _____ Turb: 7

Sample Device Pump Hose Composition of Device Teflon

Sample Date 8.20.01 Sample Time 16:00

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371

Well Name (from permit) 212MD Well Test Site # (from permit) 1032A13169

Does well appear to be damaged in any way ? NO If YES, please explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 28.24

Distance from top of casing to bottom of well (feet) 45.65

Length of water column (feet) 17.41 Diameter of well casing (inches) 2

Volume of water column in well (gallons) 2.79

Top of casing elevation (feet NGVD) 75.08

Water level elevation (feet NGVD) 45.76 46.84

NGVD = National Geodetic Vertical Datum (mp)

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP	BAILER	OTHER
Type: <u>Submersible</u>	Bailer vol. (gals) <u>N/A</u>	<i>Narrative description required</i>
Rate(gpm): <u>1</u>	# Bailers removed <u>N/A</u>	
Purge Time: Start: <u>13:35</u> End: <u>13:50</u>		
Vol Purged (gals): <u>15</u>		

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

Time:	<u>13:35</u>	<u>13:38</u>	<u>13:42</u>	<u>13:44</u>	<u>13:47</u>	<u>13:50</u>
Volume Removed (gals):	<u>0</u>	<u>3</u>	<u>7</u>	<u>9</u>	<u>12</u>	<u>15</u>
pH:	<u>7.9</u>	<u>7.5</u>	<u>7.5</u>	<u>7.5</u>	<u>7.3</u>	<u>7.3</u>
Temp (C):	<u>24</u>	<u>22</u>	<u>22</u>	<u>22</u>	<u>22</u>	<u>22</u>
Sp. Cond. (umhos/cm):	<u>370</u>	<u>350</u>	<u>340</u>	<u>340</u>	<u>340</u>	<u>340</u>
Appearance:	<u>Clear/No Odor</u>					
DO: _____	Turb: <u>15</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 8.20.01 Sample Time 13:51

Sample Collected by C. Rayborn of STL Mobile

Laboratory Analyses by STL Mobile

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) Gulf Power- Scholz Site GMS # (from permit) 1032P37371
Well Name (from permit) WSW-2 Well Test Site # (from permit) 1032A11454
Does well appear to be damaged in any way ? NO If YES, please explain: _____
Distance from top of casing to top of water (feet) (0.01 precision) _____
Distance from top of casing to bottom of well (feet) _____
Length of water column (feet) _____ Diameter of well casing (inches) _____
Volume of water column in well (gallons) _____
Top of casing elevation (feet NGVD) _____
Water level elevation (feet NGVD) _____
NGVD = National Geodetic Vertical Datum

PURGING DEVICE

**Three to five well volumes must be purged prior to sample collection*

PUMP	BAILER	OTHER
Type: <u>Well Spigot</u>	Bailer vol. (gals) _____	<i>Narrative description required</i>
Rate(gpm): _____	# Bailers removed _____	
Purge Time: Start: _____ End: _____		
Vol Purged (gals): _____		

LOG OF FIELD MEASUREMENTS TAKEN PRIOR TO SAMPLE COLLECTION

**Field measurements must be stabilized over at least three consecutive readings*

Time:	_____	_____	_____	_____	_____	_____
Volume Removed (gals):	_____	_____	_____	_____	_____	_____
pH:	<u>6.2</u>	_____	_____	_____	_____	_____
Temp (C):	<u>22</u>	_____	_____	_____	_____	_____
Sp. Cond. (umhos/cm):	<u>410</u>	_____	_____	_____	_____	_____
Appearance:	<u>Clear/No odor</u>					
DO: _____	Turb: <u>3.9</u>					

Sample Device Well Spigot Composition of Device Teflon
Sample Date 8.20.01 Sample Time 10:35
Sample Collected by C. Rayborn of STL Mobile
Laboratory Analyses by STL Mobile

One Energy Place
Pensacola, Florida 32520

850.444.6111

File
ENL 10-2-1-4
Common

RMA
JAN



November 28, 2000

CERTIFIED MAIL

Mr. Bobby A. Cooley, P. E.
Florida Department of Environmental Protection
Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Dear Mr. Cooley:

GROUNDWATER REPORTS -

Plant Crist	Permit No.	FL 000 2275
Plant Scholz	Permit No.	FL 000 2283
Plant Smith	Permit No.	FL 000 2267

Enclosed are the annual Groundwater Monitoring Reports for the Smith and Scholz Plants and the second semi-annual report for the Crist plant. Please note the following:

Plant Smith

The sodium concentration in monitoring well LC-1 was 370 mg/l. While this is higher than the 160 mg/l limit, this monitoring well is set at the edge of a salt marsh and the tidal interchange is the source of the elevated sodium concentration.

Plant Scholz

Well 203S could not be sampled due to insufficient well volume.

If you have any questions, please call Joe Neese at (850) 444-6429 or me at (850) 444-6311.

Sincerely,

James O. Vick
Manager of Environmental Affairs

Enclosures

Gulf Power Company

cc: John Dominey
Mike Markey
Joe Martin
Joe Neese
Kenton Peacock
Mike Sarab
Tracy Scully

Florida Department of Environmental Protection

Charlie Reyes

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13170

Sample Period From month/Year: January 2000 To Month/Year : December 2000

Well Type: Compliance

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-203S

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	245.1	ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	200.7	ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	9038	mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70206	Pump	N	None	EPA 160.1	mg/l	5.0 mg/l

There was insufficient volume in this well for sampling.

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13165

Sample Period From month/Year: January 2000 To Month/Year: December 2000

Well Type: Compliance

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? ☒ Yes ☐ No

Well Name: MW-203MD

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	42.37 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	6.7 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	410 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	11 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	4.5 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10.0 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	1600 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	530 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	245.1	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	200.7	<10.0 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	9038	38 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	0.9+/-0.4 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	260 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13171

Sample Period From month/Year: January 2000 To Month/Year : December 2000

Well Type: Intermediate

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-204S

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	99.15 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	6.4 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	560 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	7.2 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	13000 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	1600 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	245.1	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	200.7	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	9038	67 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	1.9+/-0.8 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70286	Pump	N	None	EPA 160.1	340 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13166

Sample Period From month/Year: January 2000 To Month/Year: December 2000

Well Type: Compliance

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? ☒ Yes ☐ No

Well Name: MW-204MD

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	44.75 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	7.3 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	250 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	3.5 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	490 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	18 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	245.1	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	200.7	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	9038	<5.0 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	0.0+/-0.3 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	130 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13172

Sample Period From month/Year: January 2000 To Month/Year : December 2000

Well Type: Intermediate

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-205S

Parameter	Store Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	116.12 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	5.4 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	34 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	3.2 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	<50 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	245.1	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	200.7	<10.0 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	9038	<5.0 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	1.3+/-0.4 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70286	Pump	N	None	EPA 160.1	9 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13167

Sample Period From month/Year: January 2000 To Month/Year: December 2000

Well Type: Background

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-205MD

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	48.96 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	7.1 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	220 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	3.5 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	<50.0 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	245.1	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	200.7	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	9038	<5.0 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	60045	Pump	N	Nitric acid	EPA 900.0	0.0+/-0.3 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	140 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13173

Sample Period From month/Year: January 2000 To Month/Year : December 2000

Well Type: Intermediate

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? ☒ X Yes ☐ No

Well Name: MW-210S

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	83.52 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	6.7 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	1000 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01112	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	9.7 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	670 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	1200 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	245.1	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	200.7	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	9038	110 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	1.9+/-1.1 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	680 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13168

Sample Period From month/Year: January 2000 To Month/Year: December 2000

Well Type: Compliance

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-210MD

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	42.44 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	6.2 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	1900 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	18.0 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	58000 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	7.4 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	1600 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	245.1	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	200.7	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	9038	1300 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	0.0+/-2.4 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	1800 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13169

Sample Period From month/Year: January 2000 To Month/Year : December 2000

Well Type: Compliance

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-212MD

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	45.07 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	7.3 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	340 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	4.4 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00960	Pump	N	Nitric Acid	EPA 200.7	64 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	245.1	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00961	Pump	N	Nitric Acid	200.7	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	9038	25 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	0.0+/-0.3 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	210 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11454

Sample Period From month/Year: January 2000 To Month/Year : December 2000

Well Type: Compliance

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: WSW-2

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	05327	Pump	N	None	EPA SOP	- feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	6.2 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	410 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10.0 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	16 mg/l	1.0 mg/l
Chromium (ug/l)	01116	Pump	N	Nitric Acid	EPA 200.7	<10.0 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	<50.0 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	<10.0 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	245.1	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	200.7	<10.0 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	9038	7.4 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	0.4+/-0.4 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	160 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11455

Sample Period From month/Year: January 2000 To Month/Year : December 2000

Well Type: Water Elevation

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-103

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	17.82 feet	0.01 feet

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11457

Sample Period From month/Year: January 2000 To Month/Year : December 2000

Well Type: Water Elevation

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-105

Parameter	Store Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	85.12 feet	0.01 feet

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11458

Sample Period From month/Year: January 2000 To Month/Year : December 2000

Well Type: Water Elevation

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-110A

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	51.85 feet	0.01 feet

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11459

Sample Period From month/Year: January 2000 To Month/Year : December 2000

Well Type: Water Elevation

Date Sample Obtained: September 7, 2000

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-112

Parameter	Store Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	29.82 feet	0.01 feet

MONITORING WELL SAMPLING FIELD DATA

Site Name (from permit) C.P. Scholz Site GMS# (from permit) 1032 P 37371
 Well "Name" (from permit) MW-203 MD Well Testsite # (from permit) 1032 A 13165
 Does well appear to be damaged in any way? Yes/No No If yes, explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 20.76
 Distance from top of casing to bottom of well (feet) 52.50
 Length of water column (feet) 31.74 Diameter of well casing (Inches) 2"
 Volume of water column in well (gallons) 5.08
 Top of casing elevation (feet NGVD) 63.13
 Water level elevation (feet NGVD) 42.37

PURGING DEVICE

Type Pump Bailer Volume N/A (gallons) Other N/A
 Rate 1 gpm # of Bailers Removed N/A Narrative Description Required _____

* Three to five well volumes must be purged prior to sample collection.

Purge Time Start 1417 End 1433 Volume Purged (gallons) 16

Log of Field Measurements taken Prior to Sample Collection

* Field measurements must be stabilized over at least three consecutive readings

Time	1417	1421	1424	1427	1430	1433
Volume Removed (gals)	0	4	7	10	13	16
pH	6.8	6.8	6.7	6.7	6.7	6.7
Temp. (°C)	22	22	22	22	22	22
Sp. Cond. (umhos/cm)	500	440	430	420	410	410
Appearance	clear	no	odor		turb.	17

Sample Device Pump Hose Composition of Device Teflon
 Sample Date 9/7/00 Sample Time 1435
 Sample Collected by J. Johnson, C. Rayborn of Savannah Laboratories - Mobile
 Laboratory Analyses by Savannah Laboratories - Mobile

NGVD - National Geodetic Vertical Datum

MONITORING WELL SAMPLING FIELD DATA

Site Name (from permit) C.P. Scholz Site GMS# (from permit) 1032 P 37371

Well "Name" (from permit) MW-2035 Well Testsite # (from permit) 1032A13170

Does well appear to be damaged in any way? Yes/No ☒ If yes, explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 19.56

Distance from top of casing to bottom of well (feet) 23.15

Length of water column (feet) 3.59 Diameter of well casing (inches) 4"

Volume of water column in well (gallons) 2.33

Top of casing elevation (feet NGVD) 62.78

Water level elevation (feet NGVD) 43.22

PURGING DEVICE

<u>Pump</u>	<u>Bailer</u>	<u>Other</u>
Type <u>Peristaltic</u>	Bailer Volume <u>N/A</u> (gallons)	Narrative Description Required
Rate <u>1 L/min</u>	# of Bailers Removed <u>N/A</u>	

Three to five well volumes must be purged prior to sample collection.

Purge Time Start 1435 End Drew Down Volume Purged (gallons) _____

Log of Field Measurements taken Prior to Sample Collection

* Field measurements must be stabilized over at least three consecutive readings

Time	<u>1435</u>	<u>Drew Down before 2nd reading and</u>
Volume Removed (gals)	<u>0</u>	<u>Well not recharge sufficiently.</u>
pH	<u>6.4</u>	<u>Insufficient volume of water to get</u>
Temp. (°C)	<u>22</u>	<u>representative sample</u>
Sp. Cond. (umhos/cm)	<u>460</u>	
Appearance		

Sample Device N/A Composition of Device N/A

Sample Date 9/2/00 Sample Time N/A

Sample Collected by J. Johnston, C. Rayborn of Savannah Laboratories - Mobile

Laboratory Analyses by Savannah Laboratories - Mobile

NGVD - National Geodetic Vertical Datum

MONITORING WELL SAMPLING FIELD DATA

Site Name (from permit) C.P. Scholz Site GMS# (from permit) 1032P 37371
 Well "Name" (from permit) MW-204 MD Well Testsite # (from permit) 1032A 13106
 Does well appear to be damaged in any way? Yes/No No If yes, explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 63.26
 Distance from top of casing to bottom of well (feet) 76.85
 Length of water column (feet) 13.59 Diameter of well casing (inches) 2"
 Volume of water column in well (gallons) 2.17
 Top of casing elevation (feet NGVD) 108.01
 Water level elevation (feet NGVD) 44.75

PURGING DEVICE

Type Pump Bailer Volume N/A (gallons) Other _____
 Rate 2 gpm # of Bailers Removed N/A Narrative Description Required _____

* Three to five well volumes must be purged prior to sample collection.

Purge Time Start 1231 End 1245 Volume Purged (gallons) 7

Log of Field Measurements taken Prior to Sample Collection

* Field measurements must be stabilized over at least three consecutive readings

Time	1231	1234	1237	1240	1243	1245
Volume Removed (gals)	0	1.5	3	4.5	6	7
pH	6.9	7.0	7.2	7.2	7.3	7.3
Temp. (°C)	22	22	22	23	23	23
Sp. Cond. (umhos/cm)	250	250	250	250	250	250
Appearance	clear, no odor			Turbid 24		

Sample Device Pump Hose Composition of Device Teflon
 Sample Date 9/2/00 Sample Time 1247
 Sample Collected by J. Johnston, C. Rayburn of Savannah Laboratories - Mobile
 Laboratory Analyses by Savannah Laboratories - Mobile

NGVD - National Geodetic Vertical Datum

MONITORING WELL SAMPLING FIELD DATA

Site Name (from permit) C.P. Scholz Site GMS# (from permit) 1032 P 37 371

Well "Name" (from permit) MW-204 S Well Testsite # (from permit) 1032 B 13 171

Does well appear to be damaged in any way? Yes/ ☒ No If yes, explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 8.74

Distance from top of casing to bottom of well (feet) 25.35

Length of water column (feet) 16.61 Diameter of well casing (inches) 4"

Volume of water column in well (gallons) 10.8

Top of casing elevation (feet NGVD) 107.89

Water level elevation (feet NGVD) 99.15

PURGING DEVICE

Type Pump Bailer Volume N/A (gallons) Other Narrative Description Required

Rate 1 gpm # of Bailers Removed N/A

Three to five well volumes must be purged prior to sample collection.

Purge Time Start 1220 End 1303 Volume Purged (gallons) 33

Log of Field Measurements taken Prior to Sample Collection

* Field measurements must be stabilized over at least three consecutive readings

Time	<u>1230</u>	<u>1236</u>	<u>1242</u>	<u>1249</u>	<u>1256</u>	<u>1303</u>
Volume Removed (gals)	<u>0</u>	<u>6</u>	<u>12</u>	<u>19</u>	<u>26</u>	<u>33</u>
pH	<u>6.5</u>	<u>6.4</u>	<u>6.5</u>	<u>6.5</u>	<u>6.5</u>	<u>6.4</u>
Temp. (°C)	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>
Sp. Cond. (umhos/cm)	<u>560</u>	<u>550</u>	<u>550</u>	<u>550</u>	<u>560</u>	<u>560</u>
Appearance	<u>Clear, no odor</u>				<u>rw. 10</u>	

Sample Device Pump hose Composition of Device Teflon

Sample Date 9/7/00 Sample Time 1305

Sample Collected by J. Johnston, Chuck Rayburn of Savannah Laboratories - Mobile

Laboratory Analyses by Savannah Laboratories - Mobile

NGVD - National Geodetic Vertical Datum

MONITORING WELL SAMPLING FIELD DATA

Site Name (from permit) C.P. Scholz Site GMS# (from permit) 1032A 37371

Well "Name" (from permit) MW-205 MO Well Testsite # (from permit) 1032A 13167

Does well appear to be damaged in any way? Yes No If yes, explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 86.10

Distance from top of casing to bottom of well (feet) 95.87

Length of water column (feet) 9.77 Diameter of well casing (inches) 2"

Volume of water column in well (gallons) 1.56

Top of casing elevation (feet NGVD) 135.06

Water level elevation (feet NGVD) 48.96

PURGING DEVICE

Type <u>Pump</u>	Bailer Volume <u>N/A</u> (gallons)	Other
Rate <u>4 gpm</u>	# of Bailers Removed <u>N/A</u>	Narrative Description Required

* Three to five well volumes must be purged prior to sample collection.

Purge Time Start 1154 End 1204 Volume Purged (gallons) 5

Log of Field Measurements taken Prior to Sample Collection

* Field measurements must be stabilized over at least three consecutive readings

Time	<u>1154</u>	<u>1156</u>	<u>1158</u>	<u>1200</u>	<u>1202</u>	<u>1204</u>
Volume Removed (gals)	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
pH	<u>6.1</u>	<u>6.4</u>	<u>6.6</u>	<u>6.8</u>	<u>7.0</u>	<u>7.1</u>
Temp. (°C)	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>
Sp. Cond. (umhos/cm)	<u>220</u>	<u>220</u>	<u>220</u>	<u>220</u>	<u>220</u>	<u>220</u>
Appearance	<u>clear, no odor</u>					

Sample Device Pump Hose Composition of Device Teflon

Sample Date 9/7/00 Sample Time 1207

Sample Collected by J. Smith, C. Rayborn of Savannah Laboratories - Mobile

Laboratory Analyses by Savannah Laboratories - Mobile

NGVD - National Geodetic Vertical Datum

MONITORING WELL SAMPLING FIELD DATA

Site Name (from permit) C.P. Scholz Site GMS# (from permit) 1032 P 37 371

Well "Name" (from permit) MW-205 S Well Testsite # (from permit) 1032 A 13122

Does well appear to be damaged in any way? Yes/No. ☒ No. If yes, explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 18.13

Distance from top of casing to bottom of well (feet) 20.50

Length of water column (feet) 2.37 Diameter of well casing (inches) 4"

Volume of water column in well (gallons) 1.54

Top of casing elevation (feet NGVD) 134.25

Water level elevation (feet NGVD) 116.12

PURGING DEVICE

Type Pump Bailer Volume N/A (gallons) Other N/A
Rate 1/2 gpm # of Bailers Removed N/A Narrative Description Required

* Three to five well volumes must be purged prior to sample collection.

Purge Time Start 1145 End 1155 Volume Purged (gallons) 5

Log of Field Measurements taken Prior to Sample Collection

* Field measurements must be stabilized over at least three consecutive readings

Time	1145	1147	1149	1151	1153	1155
Volume Removed (gals)	0	1	2	3	4	5
pH	6.0	5.8	5.6	5.4	5.4	5.4
Temp. (°C)	23	23	23	23	23	23
Sp. Cond. (umhos/cm)	41	35	34	34	34	34
Appearance	clear,	no	odor			rw. 6.6

Sample Device pump hose Composition of Device Teflon

Sample Date 9/7/00 Sample Time 1156

Sample Collected by J. Johnston, C. Rayburn of Savannah Laboratories - Mobile

Laboratory Analyses by Savannah Laboratories - Mobile

NGVD - National Geodetic Vertical Datum

MONITORING WELL SAMPLING FIELD DATA

Site Name (from permit) GP Scholz Site GMS# (from permit) 1032P37371
 Well "Name" (from permit) mw-210md Well Testsite # (from permit) 1032413168
 Does well appear to be damaged in any way? Yes/No. If yes, explain: NO
 Distance from top of casing to top of water (feet) (0.01 precision) 51.98
 Distance from top of casing to bottom of well (feet) 67.12
 Length of water column (feet) 15.14 Diameter of well casing (inches) 2"
 Volume of water column in well (gallons) 2.42
 Top of casing elevation (feet NGVD) 94.42
 Water level elevation (feet NGVD) 42.44

PURGING DEVICE

Type Pump Bailer Volume N/A (gallons) Other N/A
 Rate 1/2 GPM # of Bailers Removed N/A Narrative Description Required

* Three to five well volumes must be purged prior to sample collection.

Purge Time Start 1523 End 1539 Volume Purged (gallons) 8

Log of Field Measurements taken Prior to Sample Collection

* Field measurements must be stabilized over at least three consecutive readings

Time	1523	1527	1530	1533	1536	1539
Volume Removed (gals)	0	2	3.5	5	6.5	8
pH	6.4	6.3	6.3	6.2	6.2	6.2
Temp. (°C)	24	24	24	24	23	23
Sp. Cond. (umhos/cm)	2000	2000	2000	2000	1900	1900
Appearance	Clear / No Odor			Turbid		

Sample Device Pump Hose Composition of Device Teflon
 Sample Date 9.7.00 Sample Time 1543
 Sample Collected by J. Johnston C. Rayborn of Savannah Laboratories - Mobile
 Laboratory Analyses by Savannah Laboratories - Mobile

NGVD - National Geodetic Vertical Datum

**MONITORING WELL
SAMPLING FIELD DATA**

Site Name (from permit) CP Scholz Site GMS# (from permit) 1032P37371

Well "Name" (from permit) mw-2105 Well Testsite # (from permit) 1032A13179

Does well appear to be damaged in any way? Yes/No. If yes, explain: NO

Distance from top of casing to top of water (feet) (0.01 precision) 9.98

Distance from top of casing to bottom of well (feet) 11.50

Length of water column (feet) 1.52 Diameter of well casing (inches) 2

Volume of water column in well (gallons) 0.24

Top of casing elevation (feet NGVD) 93.50

Water level elevation (feet NGVD) 83.52

PURGING DEVICE

<u>Pump</u>	<u>Bailer</u>	<u>Other</u>
Type <u>Peristaltic</u>	Bailer Volume <u>N/A</u> (gallons)	Narrative Description Required
Rate <u>4 LPM</u>	# of Bailers Removed <u>N/A</u>	

* Three to five well volumes must be purged prior to sample collection.

Purge Time Start 1520 End 1532 Volume Purged (gallons) 3.12

Log of Field Measurements taken Prior to Sample Collection

* Field measurements must be stabilized over at least three consecutive readings

Time	<u>1520</u>	<u>1523</u>	<u>1526</u>	<u>1528</u>	<u>1530</u>	<u>1532</u>
Volume Removed (gals)	<u>0</u>	<u>.78</u>	<u>1.56</u>	<u>2.08</u>	<u>2.60</u>	<u>3.12</u>
pH	<u>6.9</u>	<u>6.8</u>	<u>6.9</u>	<u>6.8</u>	<u>6.8</u>	<u>6.7</u>
Temp. (°C)	<u>27</u>	<u>27</u>	<u>27</u>	<u>27</u>	<u>27</u>	<u>27</u>
Sp. Cond. (umhos/cm)	<u>990</u>	<u>1000</u>	<u>1000</u>	<u>1000</u>	<u>1000</u>	<u>1000</u>
Appearance	<u>Clear/No Odor</u>			<u>Turbid</u>		

Sample Device Pump/Hose Composition of Device Teflon

Sample Date 9.7.00 Sample Time 1535

Sample Collected by J. Johnston C. Ryborn of Savannah Laboratories - Mobile

Laboratory Analyses by Savannah Laboratories - Mobile

NGVD - National Geodetic Vertical Datum

MONITORING WELL SAMPLING FIELD DATA

Site Name (from permit) L.P. Scholz Site GMS# (from permit) 1032P 37371
Well "Name" (from permit) MW-212 MO Well Testsite # (from permit) 1032 A 13169
Does well appear to be damaged in any way? Yes/ ☒ No If yes, explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) 29.93
Distance from top of casing to bottom of well (feet) 45.65
Length of water column (feet) 15.72 Diameter of well casing (inches) 2"
Volume of water column in well (gallons) 2.52
Top of casing elevation (feet NGVD) 75.00
Water level elevation (feet NGVD) 45.07

PURGING DEVICE

Type Pump Bailer Volume N/A (gallons) Other Narrative Description Required
Rate 0.5 gpm # of Bailers Removed N/A

* Three to five well volumes must be purged prior to sample collection.

Purge Time Start 1327 End 1343 Volume Purged (gallons) 8

Log of Field Measurements taken Prior to Sample Collection

* Field measurements must be stabilized over at least three consecutive readings

Time	1327	1331	1334	1337	1340	1343
Volume Removed (gals)	0	2	3.5	5	6.5	8
pH	7.0	7.1	7.2	7.2	7.3	7.3
Temp. (°C)	22	22	22	22	22	22
Sp. Cond. (umhos/cm)	370	360	350	350	340	340
Appearance	clear, no odor					Turb. 8.8

Sample Device Pump Hose Composition of Device Teflon
Sample Date 9/7/00 Sample Time 1345
Sample Collected by J. Johnston, C. Rayhorn of Savannah Laboratories - Mobile
Laboratory Analyses by Savannah Laboratories - Mobile

NGVD - National Geodetic Vertical Datum

MONITORING WELL
SAMPLING FIELD DATA

Site Name (from permit) C.P. Scholz Site GMS# (from permit) 1032 P 37371

Well "Name" (from permit) WSW-2 Well Testsite # (from permit) 1032 A 11454

Does well appear to be damaged in any way? Yes ☒ No ☐ If yes, explain: _____

Distance from top of casing to top of water (feet) (0.01 precision) N/A

Distance from top of casing to bottom of well (feet) N/A

Length of water column (feet) N/A Diameter of well casing (inches) N/A

Volume of water column in well (gallons) N/A

Top of casing elevation (feet NGVD) N/A

Water level elevation (feet NGVD) N/A

PURGING DEVICE

Type	<u>Pump</u>	<u>Bailer</u>	<u>Other</u>
Type	<u>N/A</u>	Bailer Volume <u>N/A</u> (gallons)	Narrative Description Required
Rate	<u>N/A</u>	# of Bailers Removed <u>N/A</u>	

* Three to five well volumes must be purged prior to sample collection.

Purge Time Start N/A End N/A Volume Purged (gallons) N/A

Log of Field Measurements taken Prior to Sample Collection

* Field measurements must be stabilized over at least three consecutive readings

Time	<u>1022</u>	<u>Turb</u>	<u>5.2</u>		
Volume Removed (gals)	<u>N/A</u>				
pH	<u>6.2</u>				
Temp. (°C)	<u>22</u>				
Sp. Cond. (umhos/cm)	<u>410</u>				
Appearance	<u>clear, no odor</u>				

Sample Device _____ Composition of Device _____

Sample Date _____ Sample Time _____

Sample Collected by _____ of Savannah Laboratories - Mobile

Laboratory Analyses by Savannah Laboratories - Mobile

NGVD - National Geodetic Vertical Datum

One Energy Place
Pensacola, Florida 32520

850.444.6111

File ENL 10-2-1-4

~~RMA~~
JHN

Groundwater



December 28, 1999

CERTIFIED MAIL

Mr. Bobby A. Cooley, P. E.
Florida Department of Environmental Protection
Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Dear Mr. Cooley:

GROUNDWATER REPORTS -
Plant Scholz Permit No. FL 000 2283

Enclosed is the 1999 Annual Groundwater Monitoring Report for the Scholz Plant. Please note the following:

Cadmium concentrations of 0.0076 mg/l and 0.0071 mg/l were detected in MW 210MD and MW 203S respectively. It appears that the wells were purged at too high of a rate prior to sampling. Therefore, a slower purge rate was employed during the confirmation sampling. Results from the confirmation sampling have not been received. Once those results are received, a follow up letter will be sent.

If you have any questions, please call Joe Neese at (850) 444-6429 or me at (850) 444-6311.

Sincerely,

Joe Neese for Jim Vick
James O. Vick
Manager of Environmental Affairs

Enclosures
jn

cc: Kim Flowers
Mike Markey
Joe Neese
Kenton Peacock

Florida Department of Environmental Regulation

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DER Form # 17-522.900(2)
Form Title <u>GROUND WATER MONITORING REPORT</u>
Effective Date _____
DER Application No. _____

GROUND WATER MONITORING REPORT

Rule 17-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name Gulf Power Company - Scholz Plant
Address Rt. 1 Box 234A
City Sneads, FL Zip 32460
Telephone Number (904) 444-6429
- (2) The GMS Identification Number 1032P37371
- (3) DER Permit Number I032-189371
- (4) Authorized Representative Name James O. Vick
Address P. O. Box 1151
City Pensacola, FL Zip 32520-0328
Telephone Number (904) 444-6429
- (5) Type of Discharge Electric Utility
- (6) Method of Discharge Ash Pond

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 12/28/99 Joe Vick for Jim Vick
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # 890142G

Analytical Lab Comp QAP #/HRS Certification # 890142G
*Comp QAP #/HRS Certification # 890142G

Lab Name Savannah Laboratory
Address 900 Lakeside Drive, Mobile, AL 36693-5118
Phone Number (334) 666-6633

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11454

Sample Period From month/Year: January 1999 To Month/Year: December 1999

Well Type: Compliance

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: WSW-2

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	65327	Pump	N	None	EPA SOP	- feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	7.9 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	340 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10.0 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	29 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10.0 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	<50.0 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	<10.0 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	EPA 200.7	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	EPA 245.1	11 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	EPA 200.7	<5.0 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	0.9+/-0.4 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70288	Pump	N	None	EPA 160.1	180 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13170

Sample Period From month/Year: January 1999 To Month/Year : December 1999

Well Type: Compliance

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-203S

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	48.99 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	6.4 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	590 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	2200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	7.1 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	15 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	54000 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	3500 ug/l	5.0 ug/l
Mercury (ug/l)	71801	Pump	N	Nitric Acid	EPA 200.7	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	EPA 245.1	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	EPA 200.7	32 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	00045	Pump	N	Nitric acid	EPA 900.0	2.1+/-0.6 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	240 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13165

Sample Period From month/Year: January 1999 To Month/Year : December 1999

Well Type: Compliance

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-203MD

Parameter	Store Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	43.53 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	6.7 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	490 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10.0 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	6.8 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10.0 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	2600 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	1400 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	EPA 200.7	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	EPA 245.1	<10.0 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	EPA 200.7	37 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	0.7+/-0.4 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70286	Pump	N	None	EPA 160.1	260 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13171

Sample Period From month/Year: January 1999 To Month/Year: December 1999

Well Type: Intermediate

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? ☒ Yes ☐ No

Well Name: MW-204S

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	99.8 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	6.4 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	630 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	12 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	11000 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	1600 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	EPA 200.7	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	EPA 245.1	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	EPA 200.7	81 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	2.0+/-0.7 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	340 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13166

Sample Period From month/Year: January 1999 To Month/Year : December 1999

Well Type: Compliance

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-204MD

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	45.84 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	7.5 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	250 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	4.6 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	110 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	EPA 200.7	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	EPA 245.1	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	EPA 200.7	<5.0 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	0.5+/-0.3 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	120 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13172

Sample Period From month/Year: January 1999 To Month/Year : December 1999

Well Type: Intermediate

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-205S

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	118.3 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	5.4 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	30 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	330 ug/l	200.0 ug/l
Arsenic (ug/l)	00878	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	5.1 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	670 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	EPA 200.7	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	EPA 245.1	10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	EPA 200.7	<5.0 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	0.5+/-0.4 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	23 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13167

Sample Period From month/Year: January 1999 To Month/Year : December 1999

Well Type: Background

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? ☒ Yes ☐ No

Well Name: MW-205MD

Parameter	Store Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	50.99 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	9.0 s.u.	N/A
Specific Conductance (umho/cm)	00084	Pump	N	None	EPA 120.1	200 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	210 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	4.0 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	1400 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	EPA 200.7	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	EPA 245.1	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	EPA 200.7	<5.0 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	0.4+-0.3 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70295	Pump	N	None	EPA 160.1	140 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13173

Sample Period From month/Year: January 1999 To Month/Year: December 1999

Well Type: Intermediate

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-210S

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	88327	Pump	N	None	EPA SOP	84.58 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	7.3 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	650 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	900 ug/l	200.0 ug/l
Arsenic (ug/l)	00878	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	5.0 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	1200 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	180 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	EPA 200.7	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	EPA 245.1	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	EPA 200.7	55 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	3.6+/-0.8 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	2.1+/-0.7 pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	440 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13168

Sample Period From month/Year: January 1999 To Month/Year : December 1999

Well Type: Compliance

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-210MD

Parameter	Store Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	43.28 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	6.7 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	2030 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	7.6 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	22.0 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	70000 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	1900 ug/l	5.0 ug/l
Mercury (ug/l)	71801	Pump	N	Nitric Acid	EPA 200.7	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	EPA 245.1	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	EPA 200.7	1200 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	3.7+/-3.3 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	0.3+/-0.6 pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70298	Pump	N	None	EPA 160.1	1800 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A13169

Sample Period From month/Year: January 1999 To Month/Year: December 1999

Well Type: Compliance

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-212MD

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	45.9 feet	0.01 feet
pH (SU)	00400	Pump	N	None	EPA 150.1	7.4 s.u.	N/A
Specific Conductance (umho/cm)	00094	Pump	N	None	EPA 120.1	340 umhos/cm	N/A
Aluminum (ug/l)	01104	Pump	N	Nitric Acid	EPA 200.7	<200 ug/l	200.0 ug/l
Arsenic (ug/l)	00978	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Cadmium (ug/l)	01113	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	5.0 ug/l
Chloride (mg/l)	00940	Pump	N	None	EPA 325.2	5.7 mg/l	1.0 mg/l
Chromium (ug/l)	01118	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	10.0 ug/l
Iron (ug/l)	00980	Pump	N	Nitric Acid	EPA 200.7	<50 ug/l	25.0 ug/l
Lead (ug/l)	00114	Pump	N	Nitric Acid	EPA 200.7	<5.0 ug/l	50.0 ug/l
Manganese (ug/l)	11123	Pump	N	Nitric Acid	EPA 200.7	<10 ug/l	5.0 ug/l
Mercury (ug/l)	71901	Pump	N	Nitric Acid	EPA 200.7	<0.20 ug/l	10.0 ug/l
Selenium (ug/l)	00981	Pump	N	Nitric Acid	EPA 245.1	<10 ug/l	0.20 ug/l
Sulfate (mg/l)	00945	Pump	N	None	EPA 200.7	28 mg/l	40.0 ug/l
Gross Alpha (pCi/l)	80045	Pump	N	Nitric acid	EPA 900.0	0.0+/-0.3 pCi/l	N/A
Combined Radium 226 and 228 (pCi/l)	11503	Pump	N	Nitric acid	EPA 903.0	pCi/l	N/A
Total Dissolved Solids TDS (mg/l)	70296	Pump	N	None	EPA 160.1	260 mg/l	5.0 mg/l

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11455

Sample Period From month/Year: January 1999 To Month/Year : December 1999

Well Type: Water Elevation

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? X Yes No

Well Name: MW-103

Parameter	Store Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	<u>85327</u>	Pump	N	None	EPA SOP	16.87 feet	0.01 feet

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11457

Sample Period From month/Year: January 1999 To Month/Year : December 1999

Well Type: Water Elevation

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? ☒ Yes ☐ No

Well Name: MW-105

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	83.03 feet	0.01 feet

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11458

Sample Period From month/Year: January 1999 To Month/Year : December 1999

Well Type: Water Elevation

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? ☒ Yes ☐ No

Well Name: MW-110A

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	51.08 feet	0.01 feet

GROUNDWATER MONITORING REPORT - PART D (GULF POWER SCHOLZ PLANT)

Facility ID: FL0002283

Test Site ID: 1032A11459

Sample Period From month/Year: January 1999 To Month/Year : December 1999

Well Type: Water Elevation

Date Sample Obtained: October 14, 1999

Ground Water Class: G-II

Was the Well Purged Before Sampling? ☒ Yes ☐ No

Well Name: MW-112

Parameter	Storet Code	Sampling Method	Sample Filtered (Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Water Level (MSL)	85327	Pump	N	None	EPA SOP	28.67 feet	0.01 feet