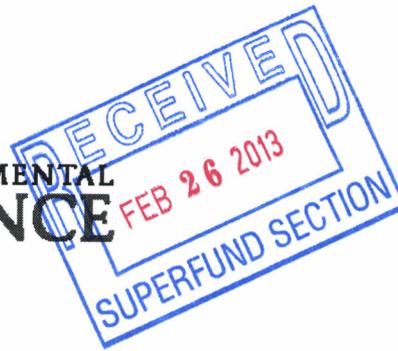


**ENVIRONMENTAL
ALLIANCE**



February 20, 2013

Ms. Ruth Debrito
Smithfield Packing Co., Inc.
111 Commerce Street
Smithfield, Virginia 23430

- *Engineering*
- *Remediation*
- *Consulting*

**Reference: 2013 Annual Site Monitoring Report
Former Hancock Country Hams
3484 NC Highway 22 North
Franklinville, North Carolina
Environmental Alliance, Inc. Project # 2719A**

Dear Ms. Debrito:

Environmental Alliance, Inc. (Alliance) is pleased to present our report of the surface water, groundwater, and soil sampling which took place at the referenced location.

Copies of this report have been forwarded to Mr. John Walch of the North Carolina Department of Environment and Natural Resources (NCDENR), Mr. George House, and Mr. Stanford Baird. If you have any questions or require additional information, please do not hesitate to contact the undersigned at (804) 658-5550.

Sincerely,
ENVIRONMENTAL ALLIANCE, INC.

**Matthew Scott
Geologist**

**Jason S. Early, L.G. #2231
Project Manager**



c: Mr. Stanford Baird
Mr. George House
Mr. John Walch, NCDENR

Attachment

J:\EAI_files\2719 Smithfield_Hancock\Reports\2013\Hancock2013AnnualMonitoringRpt-Final.doc

Virginia Office: 8215 Hermitage Road Henrico, VA 23228 804-658-5550 302-234-1535 Fax

Corporate Office: 5341 Limestone Road Wilmington, DE 19808 302-234-4400 302-234-1535 Fax www.envalliance.com

**2013 ANNUAL SITE MONITORING REPORT
FORMER HANCOCK COUNTRY HAMS
3484 NC HIGHWAY 22 NORTH
FRANKLINVILLE, NORTH CAROLINA**

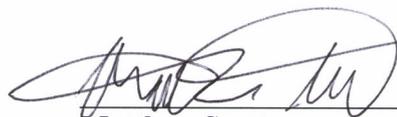
February 20, 2013

Facility Owner/Operator, and Land Owner:

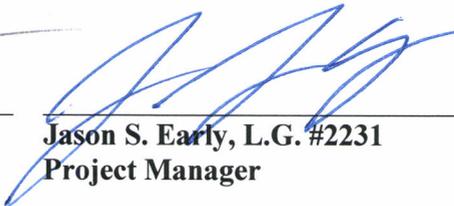
**Smithfield Packing Company
111 Commerce Street
Smithfield, VA 23430
(757) 356-3131**

Consultant:

**Environmental Alliance, Inc.
8215 Hermitage Road
Henrico, VA 23228
(804) 658-5550**



**Matthew Scott
Geologist**



**Jason S. Early, L.G. #2231
Project Manager**



**HANCOCK COUNTRY HAMS
SITE MONITORING REPORT**

Site Name and Location: Hancock Country Hams
3484 NC Highway 22 North, Franklinville, NC

Latitude and Longitude: 35° 46' 49" North; 79° 41' 40" West

Land Use Category: Commercial/Residential

Responsible Parties:

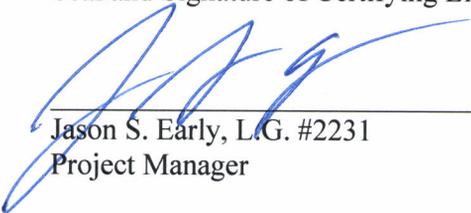
1. Smithfield Packing Co., Inc.
111 Commerce Street, Smithfield, VA 23430
757.357.1563
Attn. Mr. R. Keith Bailey, Director, Environmental
Affairs
2. Lance, Inc.
Post Office Box 32368
Charlotte, NC 28232
704.554.1421
3. Ms. Julia Hancock
3456 NC Hwy 22 N.
Franklinville, NC 27248

Current Land Owner: Smithfield Packing Co., Inc.
111 Commerce Street, Smithfield, VA 23430
757.356.1563
Attn. Mr. R. Keith Bailey, Director, Environmental Affairs

Consultant: Environmental Alliance, Inc.
8215 Hermitage Road, Henrico, VA 23228
Attn.: Mr. Jason S. Early, L.G.
804.658.5550

Date of Report: February 20, 2013

Seal and Signature of Certifying Licensed Geologist


Jason S. Early, L.G. #2231
Project Manager



 ENVIRONMENTAL
ALLIANCE

TABLE OF CONTENTS

Section	Page Number
1.0 BACKGROUND	1-1
2.0 PURPOSE	2-1
3.0 RECEPTORS	3-1
4.0 METHODS	4-1
4.1 MONITORING WELL SAMPLING	4-1
4.2 RECOVERY WELL DISCRETE INTERVAL SAMPLING	4-1
4.3 WATER WELL SAMPLING	4-1
4.4 STREAM SAMPLING	4-2
4.5 SOIL SAMPLING	4-2
4.6 FIELD MEASUREMENTS	4-2
5.0 RESULTS	5-1
5.1 MONITORING WELLS	5-1
5.2 DISCRETE SAMPLING OF RECOVERY WELLS	5-1
5.3 SOIL SAMPLING	5-1
5.4 GROUNDWATER FLOW DIRECTION	5-1
5.5 PLUME GEOMETRY	5-2
6.0 CONCLUSIONS	6-1

TABLES

Table 1	Properties Within 1,500 Feet of the Site with Water Wells
Table 2	Adjacent Property Owners
Table 3	Historical Monitoring and Recovery Well Sample Results
Table 4	Soil Sample Results: Chloride
Table 5	Historical Surface Water Sample Results
Table 6	Summary of Monitoring Well and Groundwater Elevation Data
Table 7	Monitoring Schedule

FIGURES

Figure 1	Site Location Map
Figure 2	Site Map
Figure 3	Water Supply Wells within 1,500 Feet of the Site
Figure 4	Topographic Relationship of Water Wells to the Site
Figure 5	Soil Chloride Concentrations: 1990
Figure 6	Soil Chloride Concentrations: 2013
Figure 7	Groundwater Flow Map: January 23, 2013
Figure 8	Groundwater Analytical Data: January 2013

APPENDICES

Appendix A	Laboratory Reports
Appendix B	Chloride Time Series Graphs

1.0 BACKGROUND

Environmental Alliance, Inc. (Alliance) has prepared this Annual Monitoring Report to document site monitoring activities performed during January 2013 at the former Hancock Country Hams Facility (the site). The site is located on the east side of the NC Hwy 22 approximately three miles south of Grays Chapel, Randolph County, North Carolina (Figure 1). The site is located in a rural, mostly undeveloped, area. The majority of the houses in the area are located along NC Hwy 22, north and south of the site, and along Cedar Forest Road, located approximately a 1/3 mile south of the site.

Westinghouse Environmental Services reported that four USTs were installed at the site in 1971. The tanks consisted of one-1,000 gallon gasoline UST, two-3,000 gallon gasoline USTs (nested together), and one-1,500 gallon gasoline UST. The UST locations are shown in Figure 2. All of the USTs were reportedly removed in 1986. Limited soil analysis data was collected from the UST excavations. Russnow, Kane, and Andrews collected samples from the South Well (SW), Ed Rhodes well (ERW), and the block house well (BHW) in May/June 1988. Contaminants associated with petroleum and chlorides were detected in the groundwater samples. The chloride in the groundwater is believed to be from the ham curing facility which operated at the site from the mid 1950's to the mid 1970's.

In May 1989, Westinghouse Environmental Services (WES) submitted an Initial Site Assessment of the site. This assessment included the drilling of numerous soil test borings, drilling and installation of two monitoring wells and three piezometers, stream sampling, and associated sampling and analyses in the fall of 1988. The site assessment determined the location of contaminated soil and began to determine the extent of groundwater contamination. The assessment confirmed that petroleum and chloride contamination was present in the bedrock aquifer. Chlorides have been detected in the creek east of the site. Also during the assessment, WES removed and treated approximately 700 cubic yards of petroleum contaminated soil from the UST Pit B area.

In early 1991, Charles T. Main (CTM) was contracted to develop a remedial action plan (RAP). Their plan was submitted to the then North Carolina Department of Environment, Health, and Natural Resources (NC DEHNR) Groundwater Section Regional Office in Winston-Salem, North Carolina on April 17, 1991. The NC DEHNR is currently the Department of Environment and Natural Resources (DENR) and will be referred to in that way in this report. The NCDENR requested additional information, and a supplemental RAP was submitted to the NCDENR on September 27, 1991. Both RAPs proposed using a pump and treat system to remediate the groundwater. The groundwater was to be pumped from seven recovery wells, treated, and discharged under an Individual NPDES permit. CTM recommended that the chloride contaminated soil be allowed to naturally remediate over time. Because of difficulties in obtaining access to discharge the effluent, in 1996, Smithfield Foods requested that the NCDENR allow the groundwater and soil be remediated through a process of natural attenuation. Following this request, on August 26, 1996, the NCDENR requested additional assessment of the site. In March 1998, a Groundwater Monitoring Report with updated sampling data was sent to the NCDENR. Upon review of the monitoring report, on May 20, 1998 the NCDENR requested additional investigation of the bedrock aquifer. A follow-up report was issued on August 23, 1999.

On October 11, 2002, the NCDENR sent Smithfield Foods a Notice of Regulatory Requirements requiring the submittal of a corrective action plan (CAP) to treat the petroleum contaminated soil and groundwater. Because chloride contaminated groundwater is commingled with the petroleum contamination, the CAP addressed both contaminants. On December 20, 2002 the CAP was submitted to NCDENR by Trigon Engineering Consultants (now Trigon/Kleinfelder). The CAP called for additional soil sampling in the UST B area, with excavation and disposal of any remaining contaminated soil. Groundwater contamination would be addressed with a pump and treat system incorporating an air stripper to treat the petroleum contamination and a reverse osmosis (RO) system to deal with elevated chloride concentrations. The December 2002 CAP was developed under tight time constraints and was, thus, based on the data from the 1999 sampling events. The CAP called for a new round of sampling and re-evaluation of the CAP requirements based on the analytical results.

Groundwater sampling of the recovery wells, monitoring wells, water wells and stream, and soil sampling of the UST B pit area and the salt disposal area was conducted on June 12 and 13, 2003. The results of the sampling was reported to NCDENR in an October 3, 2003 Groundwater and Soil Sampling Report. On March 30, 2003 a meeting was held at the site between Smithfield Foods, Mr. Stephen Williams of NCDENR and Trigon/Kleinfelder. Based on the preliminary June 2003 sampling results and a review of the site conditions, NCDENR agreed to consider modifying the December 2002 CAP to allow remediation of remaining contamination at the site by monitored natural attenuation. The modified conditions were to be allowed only if continued monitoring indicated that the contaminant plume was stable or improving. Groundwater sampling of the recovery wells, monitoring wells, water wells and the stream conducted on October 8, 2003 confirmed that both the BTEX and chloride plumes were stable and that natural attenuation of petroleum and chloride contamination in the groundwater may be occurring.

Following a review of the groundwater sampling data from the October 2003 sampling event, the NCDENR approved Smithfield's request on November 20, 2003 to modify the December 2002 CAP to provide for natural attenuation. On February 3, 2004, Trigon/Kleinfelder submitted a CAP to modify the December 2002 CAP, which will allow the existing petroleum and chloride contaminants in the site soil and groundwater to naturally attenuate. The February 3, 2004 natural attenuation CAP was approved by the NCDENR on March 16, 2004. As of July 2010, all residences in the site area except for the Norman residence (located up- and cross-gradient of the chloride and BTEX plumes) were connected to the public water supply. Subsequently, NCDENR's UST Branch closed the UST case in a No Further Action (NFA) letter dated November 19, 2010. Therefore, no additional monitoring of the BTEX plume is required.

On November 12, 2010, a conference call between Smithfield Packing Co., Inc. (Smithfield), Alliance, and the NCDENR Inactive Hazardous Waste Sites Branch was held to discuss future monitoring of the chloride plume in light of the closure of the UST case. During this conference call, it was decided that monitoring of the chloride plume would be reduced to an annual event until the chloride standards for groundwater and surface water have been met. At that point, quarterly monitoring will be resumed to demonstrate achievement of the chloride standards.

2.0 PURPOSE

On January 23 and January 24, 2013, groundwater, surface water, and soil samples were collected and analyzed to assess the current extent and magnitude of the chloride plume. It is the purpose of this report to present the results of this monitoring event.

3.0 RECEPTORS

A well survey of the area in October 1996 determined that there are approximately nine water supply wells within 1,500 feet of the site (Figure 3) and another seven wells within 1,750 feet of the site. Five of these wells are separated from the site by a stream valley (Figure 4). The names and addresses of water well users within 1,500 feet of the site are shown in Table 1. During the fall of 2007, a public water main was installed along NC Highway 22 to supply a proposed school north of the site. To date, all of the residences except for the Norman residence (located up- and cross-gradient of the chloride plume) have been connected to the public water system.

The owners of the properties located immediately adjacent to the site are listed in Table 2. Their locations are shown on Figure 3.

The hillside east of the site is dissected by numerous small gullies that feed a wet weather drainage feature located approximately 1,000 feet east of the site. This drainage feature flows into an unnamed tributary to Sandy Creek which is located approximately 1.3 miles east of the site (Figure 1).

4.0 METHODS

4.1 MONITORING WELL SAMPLING

Monitoring well MW-1S and monitoring well MW-1D were sampled on January 24, 2013. The locations of the monitoring wells are shown on Figure 2. The samples were sent to REIC Laboratories in Beaver, West Virginia and analyzed for chloride using EPA Method 300.0.

Prior to collecting the samples, the water level in each well was measured and recorded and a minimum of three well volumes of water was removed or the well was bailed dry using either a bailer or a peristaltic pump. After purging, the monitoring well samples were collected with a new disposable bailer. The samples were collected in laboratory supplied bottles, preserved, and picked up by a REIC courier under chain-of-custody to REIC Laboratories in Beaver, West Virginia.

4.2 RECOVERY WELL DISCRETE INTERVAL SAMPLING

Prior to sampling, the unused submersible pumps were removed from Recovery Wells RW-1, RW-3, RW-4, RW-5, RW-6, and RW-7 on January 23, 2013 by Davidson Drilling, Inc. of Roanoke, Virginia. The pumps were removed as they were no longer being used for sampling and presented obstacles for deployment of other downhole sampling equipment. All Recovery Well locations were sampled using a Solinst™ Model 425 Discrete Interval Sampler on January 23 and 24, 2013. The purpose of the discrete interval sampling method is to eliminate the needs for electrical power and purge water handling associated with purging three well volumes. All RW wells were successfully sampled using the discrete interval sampling method.

The samples were sent to REIC Laboratories in Beaver, West Virginia and analyzed for chloride using EPA Method 300.0.

4.3 WATER WELL SAMPLING

Because all of the residences except for the Norman residence (located up- and cross-gradient of the chloride plume) have been connected to public water and the UST case has been closed by NCDENR, sampling of the water wells is no longer conducted.

4.4 STREAM SAMPLING

The stream located east of the site was sampled on January 24, 2013, at the upper (S-1), mid (S-2), and lower (S-3) stream locations. The samples were sent to REIC Laboratories and analyzed for chloride via EPA Method 300.0.

4.5 SOIL SAMPLING

On January 23, 2013, Alliance personnel collected soil samples from the salt/brine disposal area to determine current chloride concentrations. The results of the January 23, 2013 sample analyses are summarized in Table 4. A shallow (1 foot deep) and a deep (4 foot deep) sample were collected at locations SS-1, SS-2, SS-3, and SS-4. The samples were analyzed for chloride via EPA Method 300.0. Each sample was a composite sample made by combining soil from four different borings located approximately five feet apart. The approximate locations of the soil samples are shown in Figure 6. Each sample was collected using a stainless steel hand auger. The samples were placed in an iced cooler and were picked up by a REIC courier under chain-of-custody to REIC Laboratories in Beaver, West Virginia.

4.6 FIELD MEASUREMENTS

The static water levels in monitoring wells MW-1D and MW-1S, recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, RW-6, RW-7, and piezometers P-2 and P-3 were gauged on January 23, 2013. The water level was measured using an electronic water level meter accurate to 0.01 feet. The water level measurement data are recorded on Table 6.

5.0 RESULTS

5.1 MONITORING WELLS

Chloride was detected in wells MW-1S (625 mg/L) and MW-1D (1,070 mg/L) above the State's 2L .0202 Standard of 250 mg/L. The laboratory results are summarized in Table 3 and the complete laboratory reports are included as Appendix A.

5.2 DISCRETE SAMPLING OF RECOVERY WELLS

Chloride was detected in recovery wells RW-2 (1,050 mg/L) and RW-3 (1,350 mg/L) above the State's 2L .0202 Standard of 250 mg/L. The laboratory results are summarized in Table 3 and the complete laboratory reports are included as Appendix A.

5.3 SOIL SAMPLING

Concentrations of chloride in the soil samples collected on January 25, 2013 were below detection limits (BDL) in the 1-foot samples from SS-1, SS-3, and SS-4. The 1-foot soil sample collected from SS-2 indicated a chloride concentration of 70.0 mg/kg. Chloride concentrations at SS-2 in the 4-foot samples were detected at 57.6 mg/kg. The SS-1, SS-3, and SS-4 4-foot samples were reported as BDL. The soil sampling analytical data is summarized on Table 4, and the accompanying laboratory analyses and chain-of-custody can be found in Appendix A.

5.4 GROUNDWATER FLOW DIRECTION

The groundwater measurements collected on January 23, 2013 were used to prepare a groundwater surface contour map (Figure 8). The data shows groundwater in both the residuum and bedrock are moving generally to the southeast toward the stream. The water level data are summarized in Table 6.

5.5 PLUME GEOMETRY

Based on the data collected during the January 2013 sampling event, chloride is concentrated in the area immediately behind (east-southeast of) the plant (MW-1S, RW-2, and RW-3) and along a line extending to the southeast toward the stream (MW-1D). A diffuse plume of chloride extends to the north, southwest, and west of the plant. Groundwater chloride results from the January 2013 sampling event are plotted on Figure 8.

Review of historical chloride concentrations from the site monitoring and recovery wells in Table 3 indicates similar concentrations to previous annual sampling events.

6.0 CONCLUSIONS

Given that the UST case has been closed by NCDENR, it was agreed during the November 12, 2010 conference call with the Inactive Hazardous Waste Sites Branch that monitoring of the chloride plume will be reduced to an annual basis until the North Carolina standards for chloride have been met. After these standards have been met, quarterly monitoring will be resumed to demonstrate attainment.

Because the groundwater chloride concentrations are currently above the 2L standard of 250 mg/L, Alliance recommends continued annual monitoring of the site.

TABLES

Ms. Ruth Debritto, Smithfield Foods, Inc.
 Hancock Country Hams, Franklinville, North Carolina

TABLE 1: PROPERTIES WITHIN 1,500 FEET OF THE SITE WITH WATER WELLS

Parcel ID No.	Property Owner	Property Address
7794400682	Sherry J. Norman	3575 NC Hwy 22N, Franklinville, NC 27248
7794403084	William E. & Jane P. Rhodes	3520 NC Hwy 22 N., Franklinville, NC 27248
7794308034	Joseph & Anne Sue Beal	3511 NC Hwy 22 N., Franklinville, NC 27248
7793491793	Hancock Old Fashion Ctry Ham	3482 NC Hwy 22N., Franklinville, NC 27248
7793491252	Julia S. Hancock	3456 NC Hwy 22 N., Franklinville, NC 27248
7793395540	Wilbert L. Hancock	1716 Academy Rd. Ext., Franklinville, NC 27248
7793394490	Terry Wesley	P. O. Box 1300, Ramseur, NC 27316
7793393252	Raymond Jester, Jr.	3419 NC Hwy 22 N., Franklinville, NC 27248
7793392064	Peggy J. Brown	3399 NC Hwy 22N., Franklinville, NC 27248
7793381857	James T. & Charlotte Kivett	3367 NC Hwy 22 N., Franklinville, NC 27248
7793582180	Richard Wallace	3519 Cedar Forest Rd, Franklinville, Nc 27248
7793580431	Irene C. Garrett	3521 Cedar Forest Rd, Franklinville, NC 27248
7793487411	Steven E. & Loretta Thompson	3505 Cedar Forest Rd, Franklinville, NC 27248



Ms. Ruth Debritto,
 Smithfield Foods, Inc.
 Hancock Country Hams,
 Franklinville, North Carolina

TABLE 2: ADJACENT PROPERTY OWNERS

Parcel ID No.	Property Owner	Property Address
7794403084	William E. & Jane P. Rhodes	3520 NC Hwy 22 N., Franklinville, NC 27248
7794308034	Joseph & Anne Sue Beal	3511 NC Hwy 22 N., Franklinville, NC 27248
7793491252	Julia S. Hancock	3456 NC Hwy 22 N., Franklinville, NC 27248
7793593950	George H. & Barbara Poe	3862 HardinEllison Rd., Franklinville, NC 27248
7793597552	Mark A. & Marcia Coponen	3896 HardinEllison Rd., Franklinville, NC 27248
7793395540	Wilbert L. Hancock	1716 Academy Rd. Ext., Franklinville, NC 27248

Note: Locations shown on Figure 3.



Mr. Ruth Dabritz,
 Swainfield Foods, Inc.
 Honeock Country Farms,
 Franklinville, North Carolina

TABLE 3
 HISTORICAL MONITORING AND RECOVERY WELL CHLORIDE SAMPLE RESULTS

Monitoring Wells		RW-1			RW-2			RW-3		
MW-1S	MW-1D	Concentration	Date	Concentration	Date	Concentration	Date	Concentration	Date	
10/23/88	10/23/88	NA	05/26/93	473	05/26/93	429	05/26/93	1,219	05/26/93	
11/30/88	02/29/96	3,800	02/17/98	284	02/17/98	255	02/17/98	4,250	02/17/98	
10/01/96	10/01/96	9,844	03/23/99	492	03/23/99	419	03/23/99	3,800	02/17/98	
02/17/98	02/19/98	4,590	06/12/03	851	06/12/03	575	10/20/98	NA	10/20/98	
06/12/03	06/12/03	3,150	10/08/03	550	10/08/03	370	10/20/98	4,250	10/20/98	
10/08/03	10/08/03	3,200	01/08/04	525	01/08/04	765	10/20/98	6,400	10/20/98	
01/08/04	01/08/04	2,710	04/07/04	612	04/07/04	627	03/23/99	3,423	03/23/99	
04/07/04	04/07/04	2,700	07/20/04	1,040	07/20/04	643	06/12/03	4,130	06/12/03	
07/20/04	07/20/04	2,860	12/15/04	594	12/15/04	773	10/08/03	3,800	10/08/03	
12/15/04	12/15/04	2,351	10/12/06	486	10/12/06	659	01/08/04	4,210	01/08/04	
03/24/05	03/24/05	2,620	01/03/07	665	01/03/07	783	04/07/04	4,850	04/07/04	
12/01/05	08/23/05	2,210	03/22/07	308	03/22/07	560	07/20/04	2,730	07/20/04	
03/08/06	12/01/05	1,990	07/18/07	704	07/18/07	783	12/15/04	3,705	12/15/04	
03/08/06	03/08/06	1,700	01/24/08	692	01/24/08	519	03/24/05	4,010	03/24/05	
06/20/06	06/20/06	1,541	03/20/08	670	03/20/08	641	08/23/05	3,390	08/23/05	
10/12/06	10/12/06	1,662	06/24/08	753	06/24/08	445	12/01/05	4,600	12/01/05	
01/03/07	01/03/07	1,496	01/14/09	711	01/14/09	440	03/08/06	4,400	03/08/06	
03/22/07	03/22/07	1,346	04/22/09	800	04/22/09	498	06/20/06	NS	06/20/06	
07/18/07	07/18/07	1,362	07/16/09	599	07/16/09	656	10/12/06	NS	10/12/06	
01/24/08	01/24/08	1,440	10/14/09	520	10/14/09	420	01/03/07	1,758	01/03/07	
03/20/08	03/20/08	1,362	01/13/10	460	01/13/10	472	03/22/07	3,261	03/22/07	
06/24/08	06/24/08	1,680	04/15/10	558	04/15/10	578	07/18/07	3,767	07/18/07	
01/14/09	01/14/09	1,040	07/22/10	345	07/22/10	473	01/24/08	2,940	01/24/08	
04/21/09	04/21/09	1,110	10/26/10	383	10/26/10	649	03/20/08	2,730	03/20/08	
07/16/09	07/16/09	84.3	01/18/11	438	01/18/11	521	06/24/08	2,690	06/24/08	
01/14/10	01/14/09	885	1/18/2011** (Depth of 200 ft)	485	1/18/2011** (Depth of 200 ft)	588	01/14/09	1,330	01/14/09	
04/16/10	04/16/10	888	01/24/12	174	01/24/12	860	04/22/09	873	04/22/09	
07/21/10	07/21/10	943	01/24/13	147	01/24/13	1,010	07/16/09	2,990	07/16/09	
10/26/10	10/26/10	356			1/18/2011** (Depth of Sample 38.0 Ft)	815	10/14/09	3,090	10/14/09	
01/17/11	01/18/11	717				1,050	01/13/10	2,840	01/13/10	
01/24/12	01/25/12	670					04/15/10	1,880	04/15/10	
01/24/13	01/24/13	625					07/22/10	2,490	07/22/10	
							01/24/12	2,160	01/24/12	
							10/26/10	2,160	10/26/10	
							01/18/11	2,160	01/18/11	
							1/18/2011** (Depth of 135 ft)	2,490	1/18/2011** (Depth of 135 ft)	
							1/18/2011** (Depth of 225 ft)	2,480	1/18/2011** (Depth of 225 ft)	
							1/18/2011** (Depth of 325 ft)	2,410	1/18/2011** (Depth of 325 ft)	
							01/24/12	1,750	01/24/12	
							01/23/13	1,350	01/23/13	

TABLE 3
 HISTORICAL MONITORING AND RECOVERY WELL CHLORIDE SAMPLE RESULTS

2L Standards: 250 ppm for Chloride						
Recovery Wells (continued)						
RW-4	RW-5	RW-6	RW-7			
05/26/93	05/26/93	05/26/98	05/26/93	428	144/865	05/26/93
02/17/98	02/17/98	10/01/98	03/29/96	316	800	03/29/96
03/23/99	03/23/99	05/26/93	02/17/98	386	245	02/17/98
06/12/03	06/12/03	02/17/98	02/17/98	282	301	02/17/98
10/08/03	10/08/03	10/21/98	03/23/99	340	615	03/23/99
01/08/04	01/08/04	05/23/99	06/12/03	324	599	06/12/03
04/07/04	04/07/04	06/12/03	10/08/03	338	521	10/08/03
07/20/04	07/20/04	10/08/03	01/08/04	315	310	01/08/04
12/15/04	12/15/04	01/08/04	04/07/04	347	223	04/07/04
03/24/05	03/24/05	04/07/04	07/20/04	345	375	07/20/04
08/23/05	08/23/05	07/20/04	12/15/04	354	219	12/15/04
12/01/05	12/01/05	03/24/05	03/24/05	329	190	03/24/05
03/08/06	03/08/06	06/20/06	08/23/05	150	195	08/23/05
06/20/06	06/20/06	12/01/05	12/01/05	NS	167	12/01/05
10/12/06	10/12/06	03/08/06	06/20/06	NS	185	03/08/06
01/03/07	01/03/07	03/08/06	06/20/06	404	290	06/20/06
03/22/07	03/22/07	07/18/07	01/03/07	NS	227	01/03/07
07/18/07	07/18/07	01/12/06	03/22/07	298	212	03/22/07
01/24/08	01/24/08	01/24/08	01/03/07	NS	523	01/03/07
03/20/08	03/20/08	07/18/07	03/22/07	191	212	07/18/07
06/24/08	06/24/08	07/18/07	07/18/07	222	161	07/18/07
01/14/09	01/14/09	01/24/08	01/24/08	226	180	01/24/08
04/22/09	04/22/09	03/20/08	03/20/08	244	198	03/20/08
07/16/09	07/16/09	06/24/08	06/24/08	230	258	06/24/08
10/14/09	10/14/09	01/14/09	01/14/09	230	239	01/14/09
01/13/10	01/13/10	4/22/09†	4/22/09†	228	NS	4/22/09
04/15/10	04/15/10	07/16/09	07/16/09	209	190	07/16/09
07/22/10	07/22/10	10/14/09	10/14/09	232	183	10/14/09
10/26/10	10/26/10	01/13/10	01/13/10	139	211	01/13/10
01/18/11	01/18/11	04/13/10	04/13/10	184	166	04/13/10
01/24/12	01/24/12	07/22/10	07/22/10	169	147	07/22/10
01/24/13	01/24/13	10/26/10	10/26/10	149	165	10/26/10
		01/18/11	01/18/11		171	01/18/11
		1/18/2011** (Depth of 25.0 ft.)	01/24/12		202	01/24/12
		01/23/13	01/23/13		251	01/23/13
					186	

Notes:

ppm = parts per million
 ft = feet

Concentrations which exceed the 2L Groundwater Quality Standards are bold.

2L Standards - NCAC Title 15A, Subchapter 2L, Quality Standards for Class GA groundwater, Jan. 1, 2010

FLW - Parking Lot Well

BQL - Below the quantitation limit of the method of analysis

NS - Not sampled

ND - Non-detect

† - Not sampled due to pump malfunctioning

** - Indicates when discrete sampling was used

† - Sample collected by Westinghouse Environmental Services; piezometers currently inaccessible

‡ - Sample collected by Charles T. Main

§ - Sample collected by Smithfield Foods

¶ - Sample collected by BFA Environmental & Engineering, Inc.

¹ EPA Method 602 with a detection limit of 1 to 5 ppb

² EPA Method 504.1 with a Detection Limit of 0.02 ppb

³ EPA Method 601 with a detection limit of 1 to 5 ppb

⁴ Method 239.1 with a detection limit of 5 ppb

⁵ Method SM4500C with a detection limit of 0.10 ppm

⁶ Collected on 9/23/88

⁷ Sample collected by Russnow, Kane, and Andrews

⁸ 144/865 - Sample collected near water table/sample collected at depth

⁹ Sample 3C collected from Packer Test Interval 220 - 240 ft. bis

¹⁰ Sample 3B collected from Packer Test Interval 290 - 310 ft. bis

¹¹ Sample 3A collected from Packer Test Interval 310 - 339 ft. bis

¹² Sample 6A collected from Packer Test Interval 167 - 187 ft. bis

¹³ Sample 7B collected from Packer Test Interval 170 - 190 ft. bis

¹⁴ Sample collected by Trigon Engineering Consultants, Inc.

Ms. Ruth Debritto, Smithfield Foods, Inc.
 Hancock Country Hams, Franklinville, North Carolina

TABLE 4: SOIL SAMPLE RESULTS : CHLORIDE

Depth in Feet		SCL-1								
		7/22/04	8/23/05	6/20/06	1/24/08 ¹	4/21/09	1/14/10	01/18/11 ¹	01/25/12 ¹	1/23/2013 ¹
1.0		3.6	18.8	103.0	7.8	47.1	BDL	BDL	BDL	BDL
4.0		3.3	18.3	NS	1.5	211	95	170	BDL	BDL

Depth in Feet		SCL-2								
		7/22/04	8/23/05	6/20/06	1/24/08 ¹	4/21/09	1/14/10	01/18/11 ¹	01/25/12 ¹	1/23/2013 ¹
1.0		217	29	BDL	53	19.5	BDL	BDL	BDL	70.0
4.0		3,320	NS	NS	146.0	32.7	33.2	BDL	28.0	57.6

Depth in Feet		SCL-3								
		7/22/04	8/23/05	6/20/06	1/24/08 ¹	4/21/09	1/14/10	01/18/11 ¹	01/25/12 ¹	1/23/2013 ¹
1.0		80.5	23.9	65.1	23.1	BDL	BDL	BDL	BDL	BDL
4.0		670	12	NS	158.0	37	141	119	BDL	BDL

Depth in Feet		SCL-4								
		7/22/04	8/23/05	6/20/06	1/24/08 ¹	4/21/09	1/14/10	01/18/11 ¹	01/25/12 ¹	1/23/2013 ¹
1.0		8.2	35.2	45.6	6.9	BDL	12.4	BDL	20.2	BDL
4.0		3.6	325.0	NS	429.0	19.4	18.2	27.2	27.8	BDL

Notes:

Results shown in parts per million

NS - Not Sampled

BDL = Below detection limit

¹ Samples collected on 1/24/08, 1/18/11, 01/25/12, and 01/23/13 are labeled SS-1, SS-2, SS-3, and SS-4

Ms. Ruth Debritto, Smithfield Foods, Inc.
 Hancock County Hams, Franklinville, North Carolina

TABLE 5: HISTORICAL SURFACE WATER SAMPLE RESULTS

S-1 (upper)																
2B Standard - 230 ppm Chloride																
Sample Date	10/31/88 ⁵	10/11/96 ⁶	2/18/98 ⁶	6/12/03 ⁷	10/8/03 ⁷	1/8/04 ⁷	4/7/04 ⁷	7/20/04 ⁷	12/15/04 ⁷	3/24/05 ⁷	8/23/05 ⁷	12/01/05 ⁷	3/08/06 ⁷	6/20/06 ⁷	10/12/06 ⁷	1/3/07 ⁷
Chloride ¹	1,000	74.6	22.8	12	7.6	10.8	13.6	209	31.6	27.8	NS	33.3	35	NS	NS	37.5
S-1 (upper) (cont'd.)																
2B Standard - 230 ppm Chloride																
Sample Date	3/22/07 ⁷	7/18/07 ⁷	1/24/08 ⁷	3/20/08 ⁷	6/24/08 ⁷	1/14/09 ⁹	4/21/09 ⁹	7/16/09 ⁹	10/14/09 ⁹	1/13/10	4/16/10	7/21/10	10/26/10	1/17/11	1/25/12	01/23/13
Chloride ¹	23.3	NS	NS	46.3	NS	25.1	14.2	DRY	DRY	9.08	6.52	DRY	DRY	DRY	10.7	74.5
S-2 (mid)																
2B Standard - 230 ppm Chloride																
Sample Date	10/31/88 ⁵	10/11/96 ⁶	2/18/98 ⁶	6/12/03 ⁷	10/8/03 ⁷	1/8/04 ⁷	4/7/04 ⁷	7/20/04 ⁷	12/15/04 ⁷	3/24/05 ⁷	8/23/05 ⁷	12/01/05 ⁷	3/08/06 ⁷	6/20/06 ⁷	10/12/06 ⁷	1/3/07 ⁷
Chloride ¹	840	72.2	156	27	16	39.8	41.1	15.1	64.1	49.8	79.2	248	39	26.4	NS	39.9
S-2 (mid) (cont'd.)																
2B Standard - 230 ppm Chloride																
Sample Date	3/22/07 ⁷	7/18/07 ⁷	1/24/08 ⁷	3/20/08 ⁷	6/24/08 ⁷	1/14/09 ⁹	4/21/09 ⁹	7/16/09 ⁹	10/14/09 ⁹	1/13/10	4/16/10	7/21/10	10/26/10	1/17/11	1/25/12	01/23/13
Chloride ¹	55.9	NS	NS	72.9	NS	62.5	17.5	DRY	DRY	46.2	11.8	11.6	11.6	DRY	54.4	71.3
S-3 (lower)																
2B Standard - 230 ppm Chloride																
Sample Date	10/31/88 ⁵	10/11/96 ⁶	2/18/98 ⁶	6/12/03 ⁷	10/8/03 ⁷	1/8/04 ⁷	4/7/04 ⁷	7/20/04 ⁷	12/15/04 ⁷	3/24/05 ⁷	8/23/05 ⁷	12/01/05 ⁷	3/08/06 ⁷	6/20/06 ⁷	10/12/06 ⁷	1/3/07 ⁷
Chloride ¹	700	295	54.7	29	32	53.4	53.1	97.1	105	51.2	35.6	140	61	75.8	25.9	79.8
S-3 (lower) (cont'd.)																
2B Standard - 230 ppm Chloride																
Sample Date	3/22/07 ⁷	7/18/07 ⁷	1/24/08 ⁷	3/20/08 ⁷	6/24/08 ⁷	1/14/09 ⁹	4/21/09 ⁹	7/16/09 ⁹	10/14/09 ⁹	1/13/10	4/16/10	7/21/10	10/26/10	1/17/11	1/25/12	01/23/13
Chloride ¹	70.9	NS	75.8	79.3	84.3	77.2	46.7	DRY	DRY	41.0	17.5	9.31	9.31	DRY	46.8	47.3

Notes:

- All results are in parts per million (ppm)
- Concentrations which exceed the 2B Surface Water Quality Standards are bold
- 2B Standards - Quality Standards for Aquatic Life in Fresh Water
- NS- Not Sampled
- N/A- Not analyzed for this compound
- ND - Non-detect
- BQL- Below the quantitation limit of the method of analysis
- Environmental Alliance began sampling in April 2009, all previous samples collected by others

¹ EPA Method SM4500C with a detection limit of 0.10 ppm

⁵ Sample collected by Westinghouse Environmental

Mr. Ruth Dabehn,
 Sanitized Foods, Inc.
 10000 West 10th Street,
 Prairie Village, MO 64075
 Prudentialville, North Carolina

TABLE 6: SUMMARY OF MONITORING WELL AND GROUNDWATER ELEVATION DATA (cont'd)

Well No.	Elevation ¹ Top of Casing (ft.)	Well Construction (ft.)			Static Water Levels														
		Length of Screen	Depth of Casing ²	Depth of Well	7/18/07 ⁶	1/24/08 ⁵	3/20/08 ⁵	6/24/08 ⁵	1/14/09 ⁵	4/23/09 ⁵	7/16/09 ⁵	10/14/09 ⁵	1/13/10 ⁵						
MW-1S	842.84	5.0	NA	15	830.63	14.6	828.24	14.47	828.37	14.42	828.42	14.88	827.96	14.72	828.12	14.72	828.12	13.92	828.92
MW-1D	674.66	NA	11.0	72	661.89	12.9	661.76	16.50	658.16	12.98	661.68	10.92	663.74	8.32	666.34	12.02	662.64	14.51	663.87
P-1	809.32	2.40	NA	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
P-2	765.00	2.4	NA	5.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
P-3	682.98	2.4	NA	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RW-1	842.56	NA	23.8	220	121.75	127.24	715.32	127.53	715.03	124.60	717.96	124.30	718.26	119.28	723.28	118.93	723.63	139.20	703.36
RW-2	850.47	NA	38.6	401	125.12	132.81	717.66	132.54	717.93	129.09	717.38	128.88	721.59	121.22	729.25	120.92	729.55	126.22	724.25
RW-3	840.65	NA	52.5	340	126.67	133.98	713.98	128.29	712.36	125.82	714.83	125.45	715.20	117.95	727.70	117.49	723.16	123.98	716.67
RW-4	821.49	NA	20.0	301	100.09	106.18	715.31	106.32	715.17	103.47	718.02	103.36	718.13	106.04	715.45	86.22	735.27	103.39	718.10
RW-5	831.07	NA	29.5	303	110.30	116.45	714.62	116.62	714.45	113.75	717.32	113.65	717.42	108.14	722.93	108.21	722.86	112.25	718.82
AW-6 (PLW)	858.38	NA	37.7	267	130.95	139.11	719.27	139.31	719.07	134.70	723.68	134.87	723.51	129.39	728.99	129.02	729.36	132.56	725.82
RW-7	857.00	NA	14.1	221	129.25	137.05	719.95	137.21	719.79	132.65	724.35	132.98	724.02	127.46	729.54	127.13	729.87	130.60	726.40

TABLE 6: SUMMARY OF MONITORING WELL AND GROUNDWATER ELEVATION DATA (cont'd)

Well No.	Elevation ¹ Top of Casing (ft.)	Well Construction (ft.)			Static Water Levels											
		Length of Screen	Depth of Casing ²	Depth of Well	4/15/10 ⁵	7/22/10 ⁵	10/26/10 ⁵	01/17/11 ⁵	01/24/12 ⁴	01/23/13 ⁵						
MW-1S	842.84	5.0	NA	15	829.32	13.02	829.82	13.50	829.34	14.37	828.47	14.65	828.19	14.65	828.19	
MW-1D	674.66	NA	11.0	72	663.62	11.98	662.68	10.82	663.84	11.06	663.60	11.10	663.56	11.01	663.65	
P-1	809.32	2.40	NA	3	—	—	—	—	—	—	—	—	—	—	—	
P-2	765.00	2.4	NA	5.5	—	—	—	—	—	—	—	—	—	—	—	
P-3	682.98	2.4	NA	2.9	—	—	—	—	—	—	—	—	—	—	—	
RW-1	842.56	NA	23.8	220	117.46	117.46	725.10	120.12	722.44	123.35	720.21	123.37	719.29	129.25	713.31	
RW-2	850.47	NA	38.6	401	117.05	121.43	729.04	125.21	725.26	128.54	721.93	127.55	722.92	126.12	724.35	
RW-3	840.65	NA	52.5	340	111.42	113.95	726.70	118.51	722.14	124.22	716.43	123.76	716.89	124.10	716.55	
RW-4	821.49	NA	20.0	301	94.51	104.68	726.39	108.11	713.38	101.39	720.10	101.87	719.02	101.54	719.95	
RW-5	831.07	NA	29.5	303	104.68	106.60	724.47	111.03	720.04	111.72	719.35	112.22	718.85	111.81	719.26	
AW-6 (PLW)	858.38	NA	37.7	267	125.58	128.12	730.26	131.74	726.64	133.75	724.63	133.61	724.77	133.48	724.90	
RW-7	857.00	NA	14.1	221	123.65	126.02	730.98	128.92	728.08	131.88	725.12	131.73	725.27	131.60	725.40	

— Depth to Groundwater Not Measured
¹Elevations surveyed from USGS Benchmark by Concord Engineering & Surveying
²Static water levels measured from the top of casing
³Water levels measured by Westinghouse Environmental Services
⁴Water levels measured by BPA Environmental & Engineering, Inc.
⁵Bedrock Well - Open hole from this depth down. Depth of casing determined from geophysical logging.
⁶Water levels measured by Trigon Engineering Consultants, Inc.
⁷MW-1D and MW-1S water level measured 12/15/04
⁸Water levels measured by Environmental Alliance, Inc.

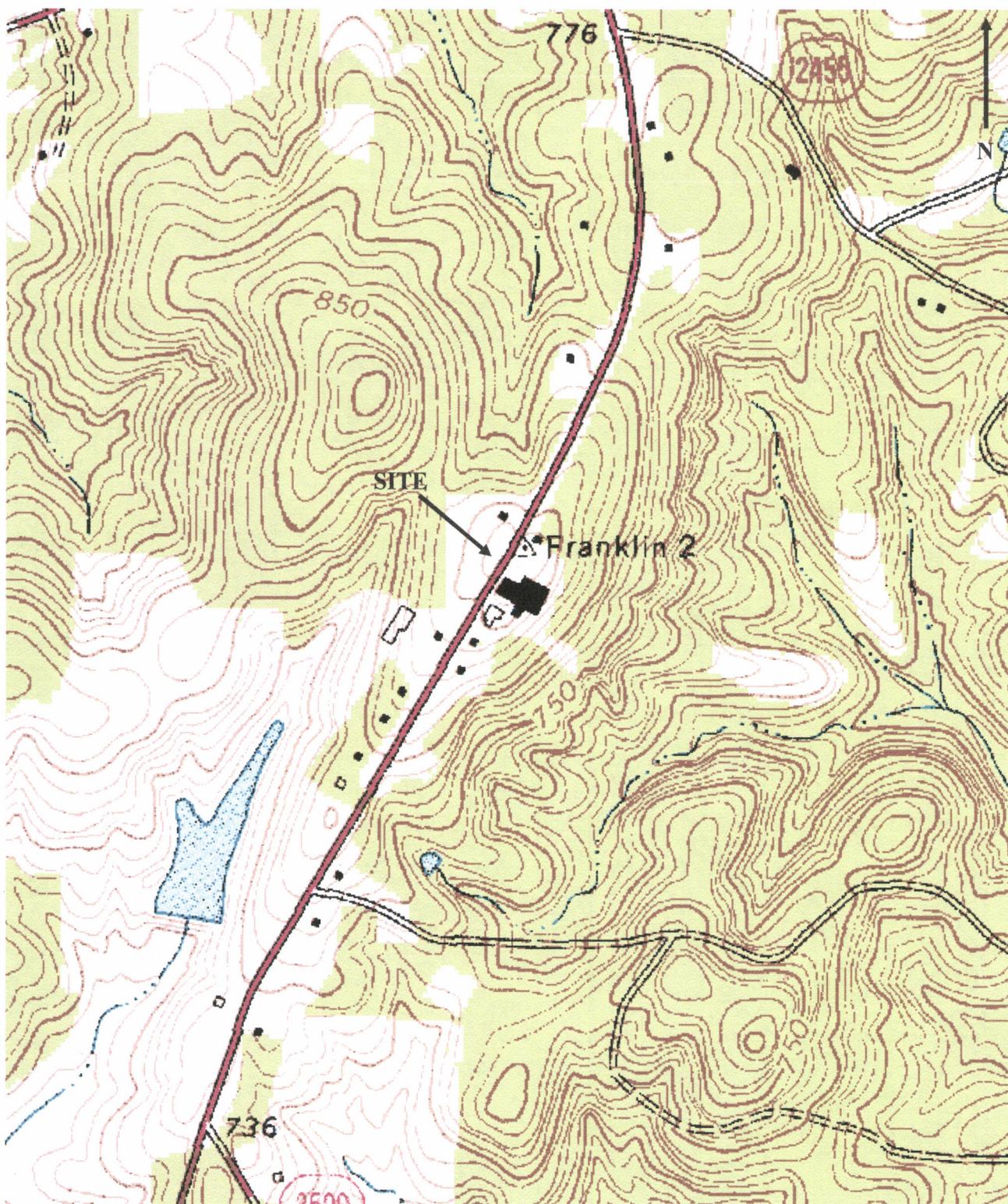
NA - Not applicable
 MW - Monitoring well
 P - Piezometer
 RW - Recovery Well
 PLW - Also referred as the Parking Lot Well

Ms. Ruth Debritto,
Smithfield Foods, Inc.
Hancock Country Hams,
Franklinville, North Carolina

TABLE 7: MONITORING SCHEDULE

Sample Location/Task	Frequency	Analysis
RW-1 thru RW-7, MW-1S, MW-1D	Annually	Chloride
Creek	Annually	Chloride
Soil Chloride Area	Annually	Chloride

FIGURES



SCALE:
1"=400'

DATE:
1/15/09

APPROVED
BY: JSE

SOURCE: 1974 USGS TOPOGRAPHIC MAP, GRAYS
CHAPEL QUADRANGLE

HANCOCK COUNTRY HAMS
3484 NC HIGHWAY 22
FRANKLINVILLE, NORTH CAROLINA



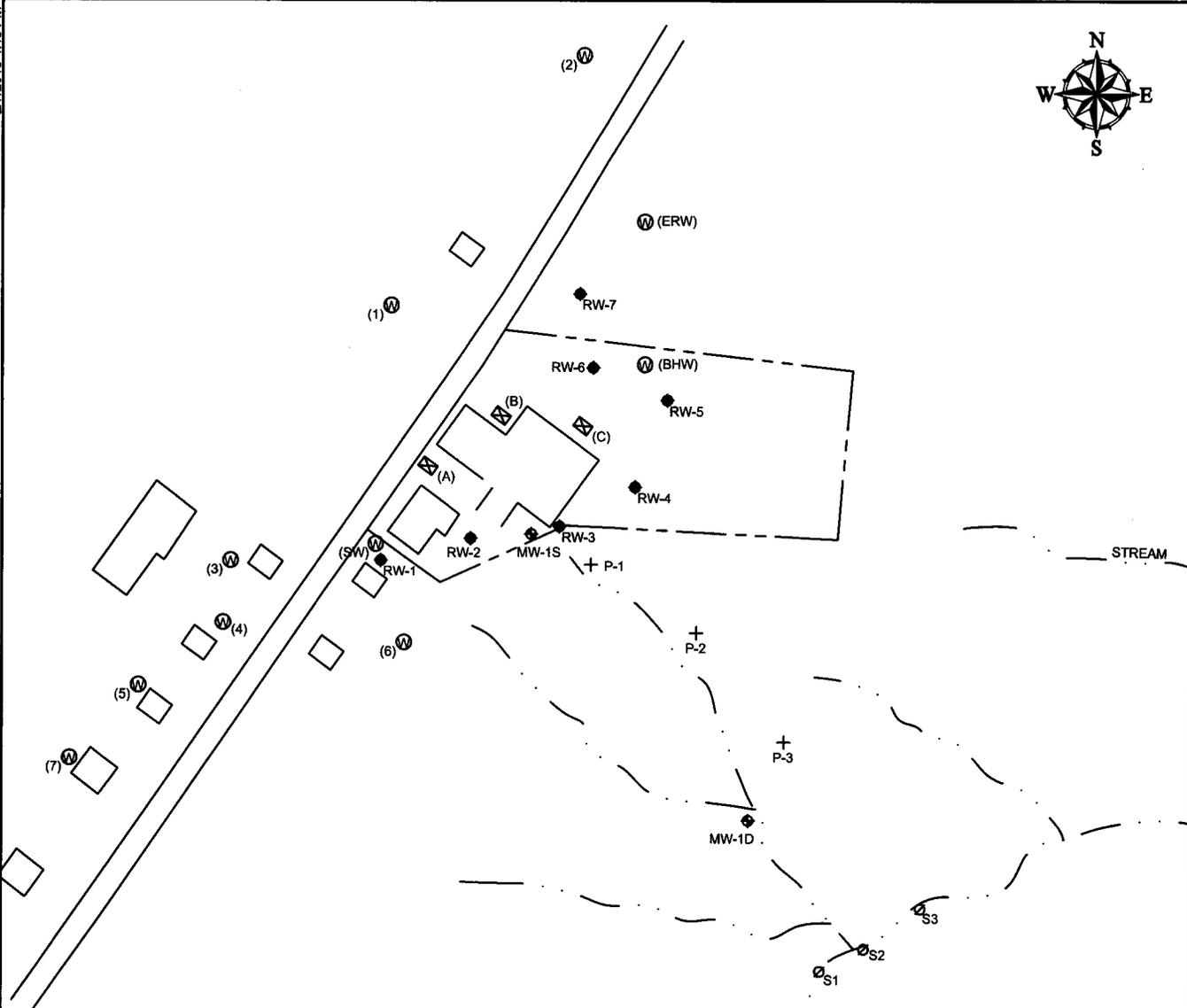
Environmental Alliance, Inc.
8215 Hermitage Road
Henrico, Virginia 23228

SITE LOCATION MAP

FIGURE
1



2/7/2013 4:13 PM



EXPLANATION

- STRUCTURES
- FORMER UNDERGROUND STORAGE TANK LOCATION (LETTER DESIGNATES PIT LOCATION)
- RECOVERY WELL
- SURFACE WATER SAMPLE
- PIEZOMETER SAMPLE
- MONITORING WELL
- (7) DOMESTIC WATER SUPPLY WELL (NUMBER FOR IDENTIFICATION PURPOSE ONLY)
 ERW - ED RHODES WELL
 BHW - BLOCK HOUSE WELL (ABANDONED)
 SW - SOUTH WELL



Environmental Alliance, Inc.
 8215 Hermitage Road - Henrico, Virginia 23228
 Phone: (877) 234-1141 - Fax: (302) 234-1535

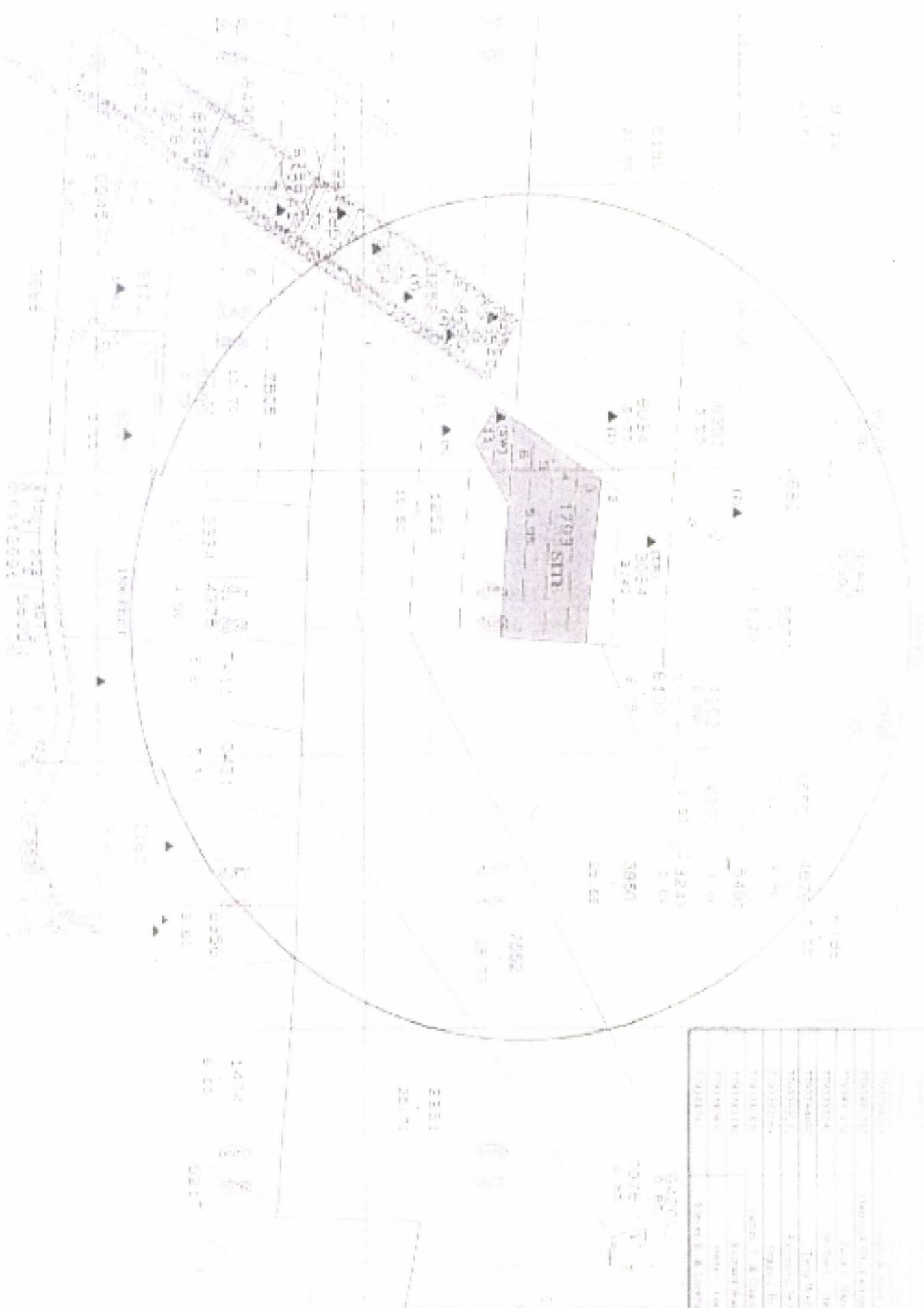
**HANCOCK COUNTRY HAMS
 FRANKLINVILLE, NORTH CAROLINA**

SITE MAP

DESIGNED BY: —	DRAWN BY: AGG	UPDATED BY: —	FIGURE NO.:
APPROVED BY: JSE	PROJECT NO. 2719	DATE: 2/7/2013	2

Source: Trigon Engineering, Inc., 2008

J:\EAL_files\2719_Smithfield_Hancock\dwg\CAD\Base.dwg



Parcel No.	Property Owner	Property Address
1798	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1799	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1800	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1801	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1802	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1803	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1804	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1805	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1806	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1807	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1808	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1809	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1810	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1811	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1812	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1813	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1814	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1815	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1816	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1817	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1818	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1819	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1820	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1821	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1822	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1823	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1824	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1825	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1826	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1827	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1828	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1829	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1830	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1831	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1832	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1833	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1834	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1835	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1836	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1837	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1838	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1839	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1840	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1841	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1842	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1843	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1844	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1845	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1846	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1847	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1848	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1849	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046
1850	Hancock Country Hams	3484 NC Highway 22, Franklinville, NC 27046

- EXPLANATION:**
- ▲ WATER SUPPLY WELL
 - SAMPLE IDENTIFICATION NUMBER
 - △ LOT IDENTIFICATION NUMBER

NOTE: WATER SUPPLY WELL LOCATIONS ARE APPROXIMATE.
 FEET FROM PARCELS IDENTIFIED ON NORTH CAROLINA 1996 PROPERTY MAP SHEETS 796 AND 797.

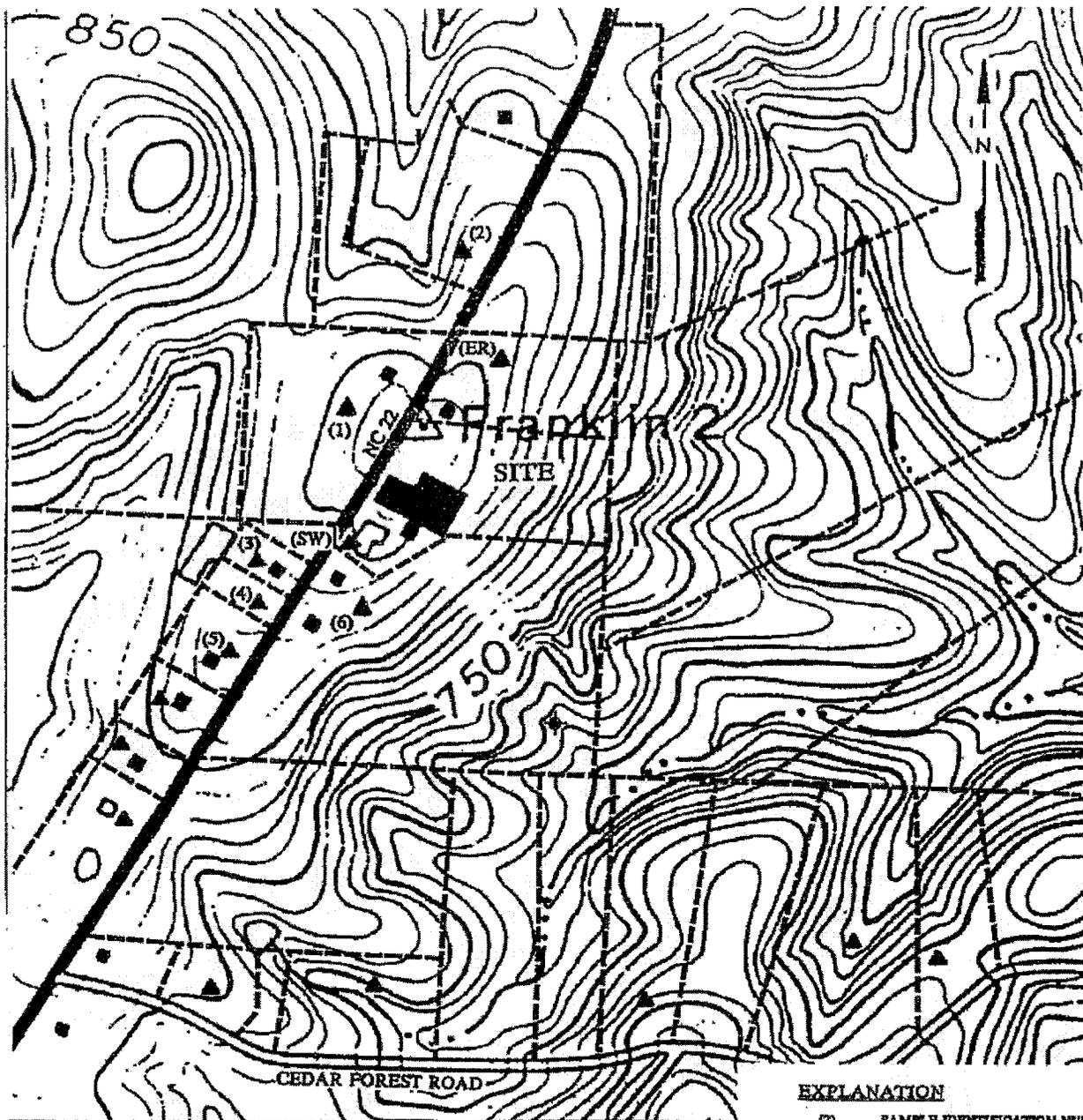
SCALE: 1" = 400'
DATE: 1/15/09
APPROVED BY: JSE
SOURCE: BPA ENVIRONMENTAL & ENGINEERING, INC. MARCH 23, 1998 REPORT

HANCOCK COUNTRY HAMS
 3484 NC HIGHWAY 22
 FRANKLINVILLE, NORTH CAROLINA

WATER SUPPLY WELLS WITHIN 1500 FEET OF THE SITE

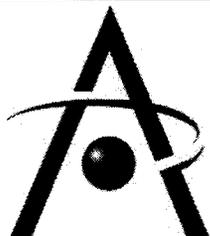
FIGURE 3





EXPLANATION

- (2) SAMPLE IDENTIFICATION NUMBER
- ▲ DOMESTIC WATER SUPPLY WELL
- - - - - APPROXIMATE PROPERTY BOUNDARY
- 750 - TOPOGRAPHIC CONTOUR LINE
- - - - - STREAM
- ⊕ MONITORING WELL



Environmental Alliance, Inc.
8215 Hermitage Road
Henrico, Virginia 23228

SCALE:
1" = 500

DATE:
1/15/09

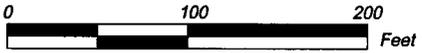
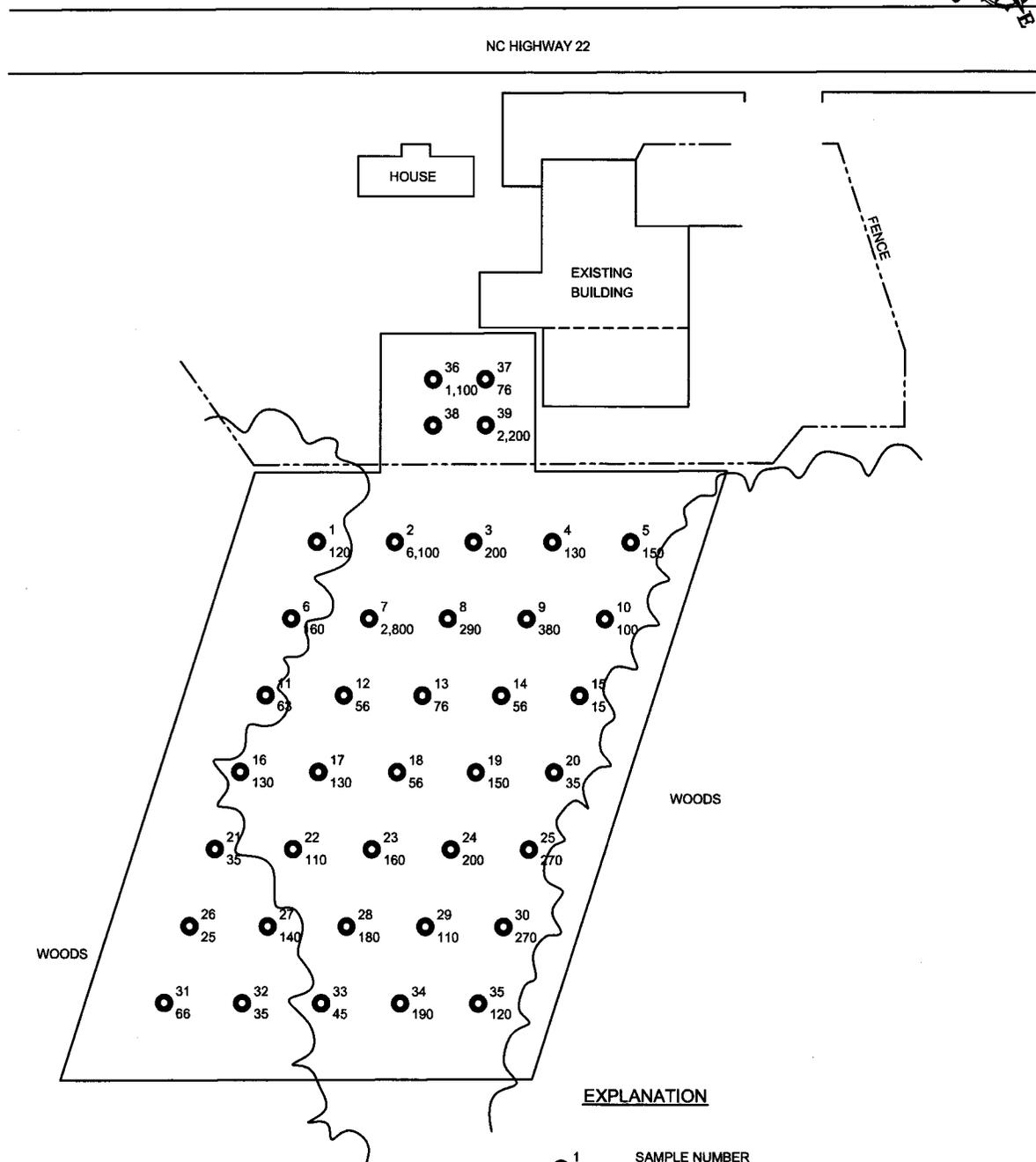
APPROVED
BY: JSE

SOURCE: 1974 USGS TOPOGRAPHIC MAP, GRAYS
CHAPEL QUADRANGLE

HANCOCK COUNTRY HAMS
3484 NC HIGHWAY 22
FRANKLINVILLE, NORTH CAROLINA

Topographic Relationship of Water Wells to the Site

FIGURE
4

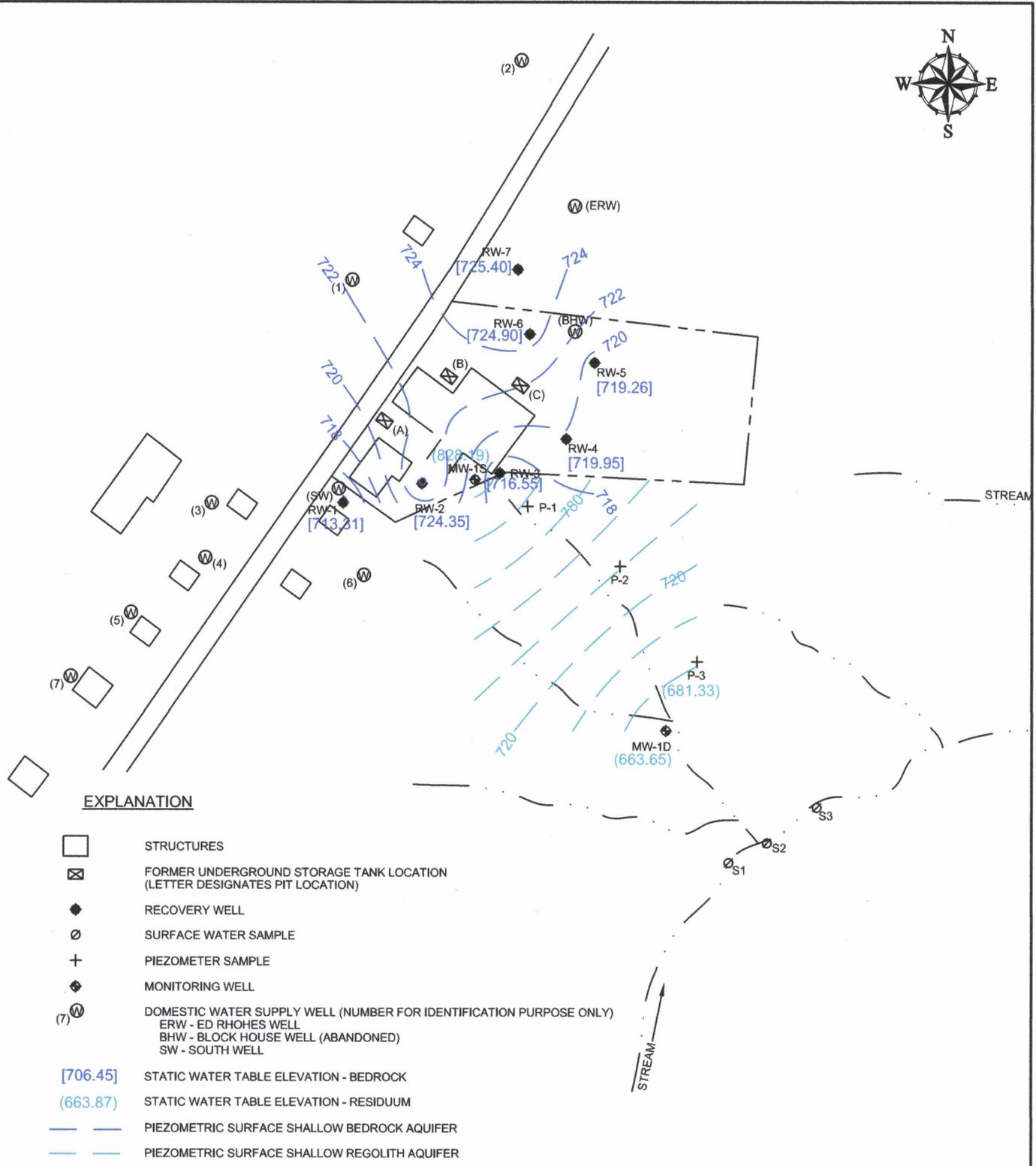


Environmental Alliance, Inc.
 8215 Hermitage Road - Henrico, Virginia 23228
 Phone: (877) 234-1141 - Fax: (302) 234-1535

**HANCOCK COUNTRY HAMS
 FRANKLINVILLE, NORTH CAROLINA**

**SOIL CHLORIDE
 CONCENTRATION - 1990**

DESIGNED BY: —	DRAWN BY: AGG	UPDATED BY: —	FIGURE NO: 5
APPROVED BY: JSE	PROJECT NO: 2719	DATE: 2/7/2013	



EXPLANATION

- STRUCTURES
- FORMER UNDERGROUND STORAGE TANK LOCATION (LETTER DESIGNATES PIT LOCATION)
- RECOVERY WELL
- SURFACE WATER SAMPLE
- PIEZOMETER SAMPLE
- MONITORING WELL
- DOMESTIC WATER SUPPLY WELL (NUMBER FOR IDENTIFICATION PURPOSE ONLY)
 ERW - ED RHODES WELL
 BHW - BLOCK HOUSE WELL (ABANDONED)
 SW - SOUTH WELL
- [706.45]** STATIC WATER TABLE ELEVATION - BEDROCK
- (663.87)** STATIC WATER TABLE ELEVATION - RESIDIUM
- PIEZOMETRIC SURFACE SHALLOW BEDROCK AQUIFER
- PIEZOMETRIC SURFACE SHALLOW REGOLITH AQUIFER

J:\EAL_files\2719_Smithfield_Hancock.dwg\13-January\CAD\2719-GWFlow-012313.dwg



Source: Trigon Engineering, Inc., 2008



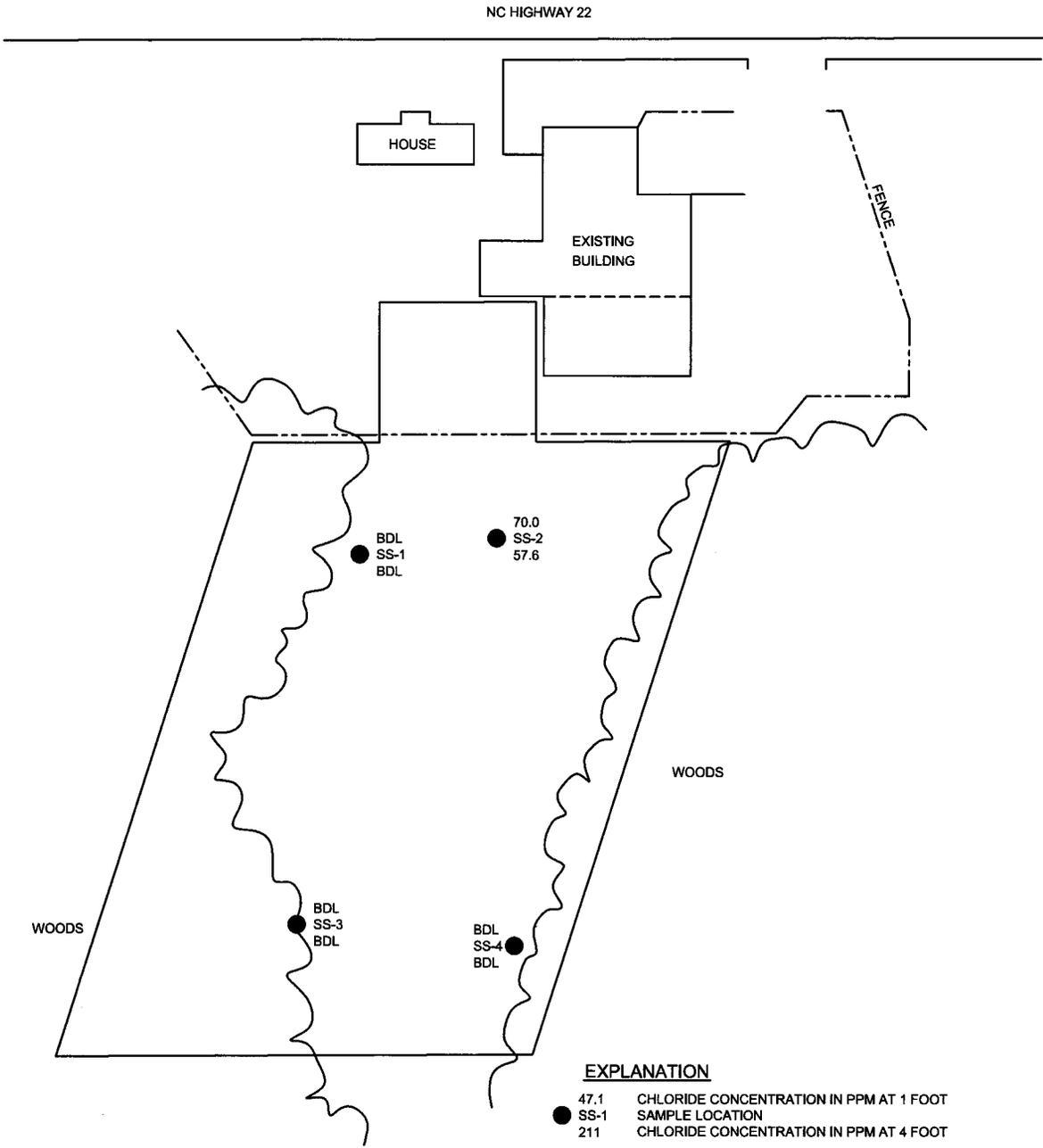
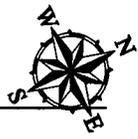
Environmental Alliance, Inc.
 8215 Hermitage Road - Henrico, Virginia 23228
 Phone: (877) 234-1141 - Fax: (302) 234-1535

HANCOCK COUNTRY HAMS
FRANKLINVILLE, NORTH CAROLINA

GROUNDWATER FLOW MAP
JANUARY 23, 2013

DESIGNED BY: JSE	DRAWN BY: SKJ	UPDATED BY: —	FIGURE NO.:
APPROVED BY: JSE	PROJECT NO. 2719	DATE: 2/6/2013	7

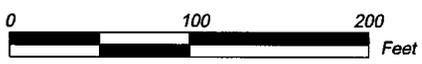
2/19/2013 8:46 AM



EXPLANATION

- 47.1 CHLORIDE CONCENTRATION IN PPM AT 1 FOOT
- SS-1 SAMPLE LOCATION
- 211 CHLORIDE CONCENTRATION IN PPM AT 4 FOOT
- BDL BELOW DETECTION LIMIT
- ▭ PREVIOUS SOIL SAMPLING AREA

J:\EAI_files\2719_Smithfield_Hancock.dwg\13-January\CAD\Soil_Chloride_0113.dwg



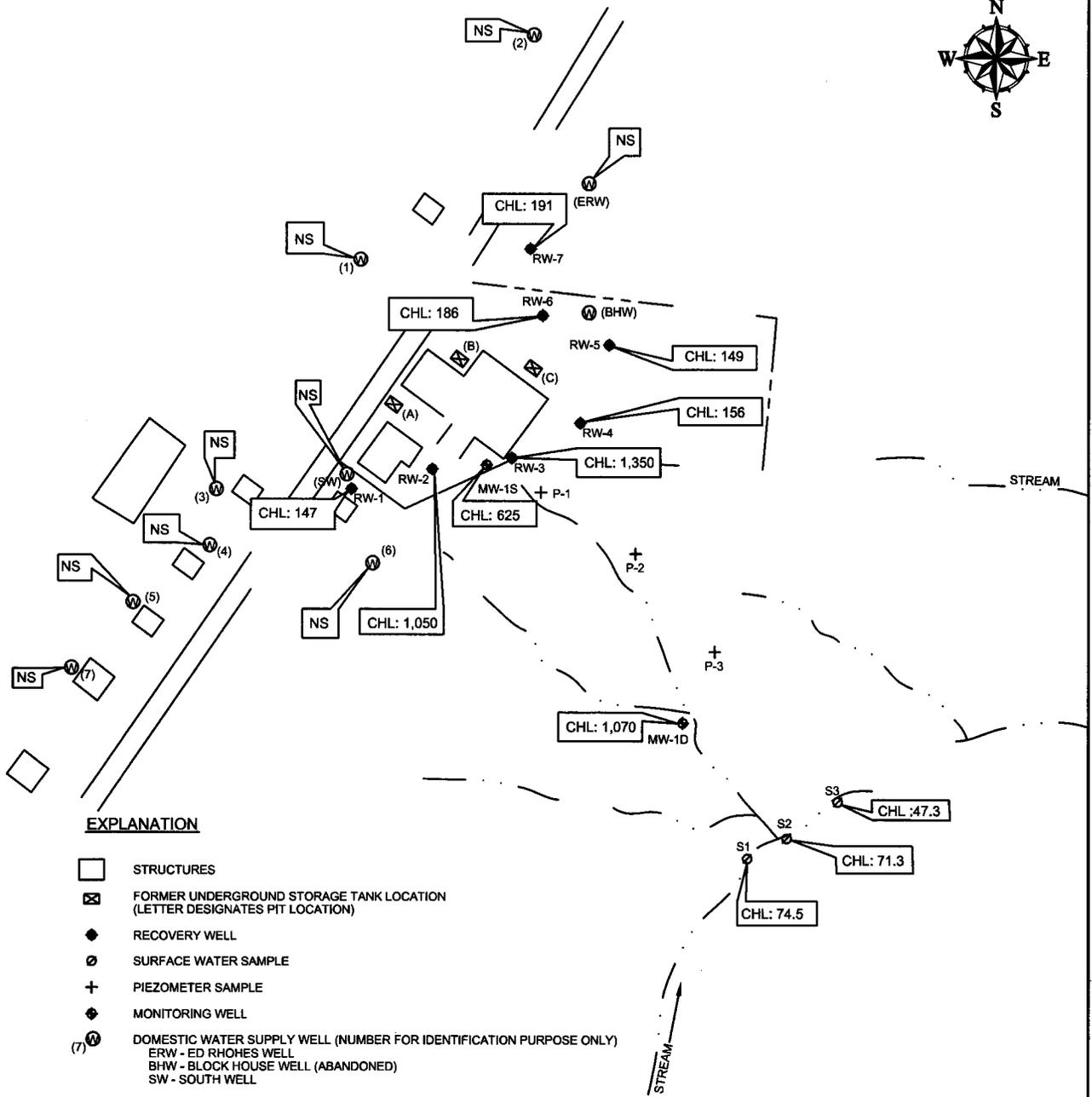
Environmental Alliance, Inc.
 8215 Hermitage Road - Henrico, Virginia 23228
 Phone: (877) 234 -1141 - Fax: (302) 234-1535

**HANCOCK COUNTRY HAMS
 FRANKLINVILLE, NORTH CAROLINA**

**SOIL CHLORIDE
 CONCENTRATION - 2013**

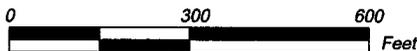
DESIGNED BY: JSE	DRAWN BY: SKJ	UPDATED BY: —	FIGURE NO: 6
APPROVED BY: JSE	PROJECT NO. 2719	DATE: 2/19/2013	

Source: Trigon Engineering, Inc., 2008



EXPLANATION

- STRUCTURES
 - ⊠ FORMER UNDERGROUND STORAGE TANK LOCATION (LETTER DESIGNATES PIT LOCATION)
 - ◆ RECOVERY WELL
 - ⊙ SURFACE WATER SAMPLE
 - ⊕ PIEZOMETER SAMPLE
 - ⊙ MONITORING WELL
 - Ⓜ (7) DOMESTIC WATER SUPPLY WELL (NUMBER FOR IDENTIFICATION PURPOSE ONLY)
 - ERW - ED RHODES WELL
 - BHW - BLOCK HOUSE WELL (ABANDONED)
 - SW - SOUTH WELL
- CHL: CHLORIDE (mg/L)
 NA: NOT ANALYZED
 NS: NOT SAMPLED



Environmental Alliance, Inc.
 8215 Hermitage Road - Henrico, Virginia 23228
 Phone: (877) 234-1141 - Fax: (302) 234-1535

HANCOCK COUNTRY HAMS
FRANKLINVILLE, NORTH CAROLINA

GROUNDWATER ANALYTICAL DATA
JANUARY 2012

DESIGNED BY: JSE	DRAWN BY: SKJ	UPDATED BY: —	FIGURE NO: 8
APPROVED BY: JSE	PROJECT NO: 2719	DATE: 2/12/2013	

APPENDICES

APPENDIX A
LABORATORY RESULTS



REIC Laboratories, Inc.
PO Box 286
Beaver, WV 25813
TEL: 304.255.2500
Website: www.reiclabs.com

Improving the environment, one client at a time...

3029-C Peters Creek Road
Roanoke, VA 24019
TEL: 540.777.1276

101 17th Street
Ashland, KY 41101
TEL: 606.393.5027

1557 Commerce Road, Suite 201
Verona, VA 24482
TEL: 540.777.1276

16 Commerce Drive
Westover, WV 26501
TEL: 304.241.5861

Monday, February 04, 2013

Mr. Jason Early, P.G.
ENVIRONMENTAL ALLIANCE INC
8215 HERMITAGE ROAD
HENRICO, VA 23228

TEL: (804) 658-5550

FAX: (804) 752-3559

RE: 2719

Work Order #: 1301P42

Dear Mr. Jason Early, P.G.:

REI Consultants, Inc. received 20 sample(s) on 1/29/2013 for the analyses presented in the following report.

Sincerely,

Scott Gross

Project Manager



REI Consultants, Inc. - Case Narrative

WO#: 1301P42

Date Reported: 2/4/2013

Client: ENVIRONMENTAL ALLIANCE INC

Project: 2719

The analytical results presented in this report relate only to the samples documented herein. All analyses were performed using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. Any deviation from compliance or method modification is explained below and/or identified within the body of this report by a qualifier footnote which is defined at the bottom of each page.

All sample results are reported on an "as-received" wet weight basis unless otherwise noted.

Results reported for sums of individual parameters, such as Total Trihalomethanes (TTHM) and Total Haloacetic Acids (HAA5), may vary slightly from the sum of the individual parameter results. This apparent anomaly is caused by rounding individual results and summations at reporting, as required by EPA.

Following standard laboratory protocol, sample preservation, such as pH, is verified at time of extraction or analysis based on client requested parameters. Improper preservation is noted on the analytical bench sheet, extraction log, or preservation log and client is notified by close of following business day. All results are reported using preservation compliant samples unless otherwise noted in the analytical report.

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

In compliance with federal guidelines and standard operating procedures, all reports, including raw data and supporting quality control, will be disposed of after five years unless otherwise arranged by the client via written notification or contract requirement.

If you have any questions please contact the project manager whose name is listed above.

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/23/2013 1:10:00 PM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-01A	Matrix:	Liquid
Client Sample ID:	S10123131310	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by ION CHROMATOGRAPHY							Analyst: CF
Chloride	74.5	5.00	NA		mg/L		1/30/2013 1:59 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/23/2013 1:15:00 PM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-02A	Matrix:	Liquid
Client Sample ID:	S20123131315	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by ION CHROMATOGRAPHY							Analyst: CF
Chloride	71.3	10.0	NA		mg/L		1/30/2013 2:18 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/23/2013 1:20:00 PM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-03A	Matrix:	Liquid
Client Sample ID:	S30123131320	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by ION CHROMATOGRAPHY							Analyst: CF
Chloride	47.3	10.0	NA		mg/L		1/30/2013 2:37 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/23/2013 2:00:00 PM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-04A	Matrix:	Soil
Client Sample ID:	SS2010123131400	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by IC, WATER SOLUBLE		Method: E300.0				Analyst: CF	
Chloride	70.0	20.0	NA		mg/Kg		1/30/2013 2:56 PM
PERCENT MOISTURE		Method: SM2540 G				Analyst: SF	
Percent Moisture	22.3	0.01	NA		wt%		1/30/2013 4:35 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/23/2013 2:20:00 AM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-05A	Matrix:	Soil
Client Sample ID:	SS2040123131420	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by IC, WATER SOLUBLE							
							Method: E300.0
							Analyst: CF
Chloride	57.6	20.0	NA		mg/Kg		1/30/2013 3:15 PM
PERCENT MOISTURE							
							Method: SM2540 G
							Analyst: SF
Percent Moisture	24.8	0.01	NA		wt%		1/30/2013 4:35 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/23/2013 2:40:00 AM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-06A	Matrix:	Soil
Client Sample ID:	SS101023131440	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by IC, WATER SOLUBLE							
							Method: E300.0
							Analyst: CF
Chloride	ND	20.0	NA		mg/Kg		1/30/2013 3:34 PM
PERCENT MOISTURE							
							Method: SM2540 G
							Analyst: SF
Percent Moisture	19.2	0.01	NA		wt%		1/30/2013 4:35 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/23/2013 3:00:00 PM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-07A	Matrix:	Soil
Client Sample ID:	SS1040123131500	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by IC, WATER SOLUBLE							Analyst: CF
Chloride	ND	20.0	NA		mg/Kg		1/30/2013 5:28 PM
PERCENT MOISTURE							Analyst: SF
Percent Moisture	24.9	0.01	NA		wt%		1/30/2013 4:35 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/23/2013 3:20:00 PM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-08A	Matrix:	Soil
Client Sample ID:	SS3010123131520	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by IC, WATER SOLUBLE		Method: E300.0				Analyst: CF	
Chloride	ND	20.0	NA		mg/Kg		1/30/2013 5:47 PM
PERCENT MOISTURE		Method: SM2540 G				Analyst: SF	
Percent Moisture	22.3	0.01	NA		wt%		1/30/2013 4:35 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/23/2013 3:40:00 PM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-09A	Matrix:	Soil
Client Sample ID:	SS3040123131540	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by IC, WATER SOLUBLE		Method: E300.0				Analyst: CF	
Chloride	ND	20.0	NA		mg/Kg		1/30/2013 6:05 PM
PERCENT MOISTURE		Method: SM2540 G				Analyst: SF	
Percent Moisture	23.0	0.01	NA		wt%		1/30/2013 4:35 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/23/2013 4:20:00 PM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-11A	Matrix:	Soil
Client Sample ID:	SS4040123131620	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by IC, WATER SOLUBLE							Analyst: CF
Chloride	ND	20.0	NA		mg/Kg		1/30/2013 6:43 PM
PERCENT MOISTURE							Analyst: SF
Percent Moisture	20.3	0.01	NA		wt%		1/30/2013 4:35 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/23/2013 5:20:00 PM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-12A	Matrix:	Groundwater
Client Sample ID:	RW30123131720	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by ION CHROMATOGRAPHY							
Chloride	1,350	100	NA		mg/L		1/30/2013 7:02 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/24/2013 10:40:00 AM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-14A	Matrix:	Groundwater
Client Sample ID:	RW10124131040	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by ION CHROMATOGRAPHY							Analyst: CF
Chloride	147	5.00	NA		mg/L		1/30/2013 7:40 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/24/2013 11:00:00 AM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-15A	Matrix:	Groundwater
Client Sample ID:	MW1S0124131100	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by ION CHROMATOGRAPHY							Analyst: CF
Chloride	625	50.0	NA		mg/L		1/30/2013 9:15 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/24/2013 11:20:00 AM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-16A	Matrix:	Groundwater
Client Sample ID:	RW70124131120	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by ION CHROMATOGRAPHY							
		Method: E300.0					Analyst: CF
Chloride	191	5.00	NA		mg/L		1/30/2013 9:34 PM

REI Consultants, Inc. - Analytical Report

WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/24/2013 1:00:00 PM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-18A	Matrix:	Groundwater
Client Sample ID:	RW40124131300	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by ION CHROMATOGRAPHY							
Chloride	156	10.0	NA		mg/L		1/30/2013 10:12 PM

REI Consultants, Inc. - Analytical Report

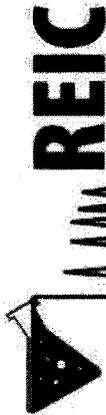
WO#: 1301P42

Date Reported: 2/4/2013

Client:	ENVIRONMENTAL ALLIANCE INC	Collection Date:	1/24/2013 2:50:00 PM
Project:	2719	Date Received:	1/29/2013 12:00:00 AM
Lab ID:	1301P42-20A	Matrix:	Groundwater
Client Sample ID:	RW20124131450	Site ID:	SMITHFIELD FRANKLINVILLE, NC

Analysis	Result	PQL	MCL	Qual	Units	PrepDate	Date Analyzed
ANIONS by ION CHROMATOGRAPHY							Analyst: CF
Chloride	1,050	100	NA		mg/L		1/30/2013 10:50 PM

CHAIN OF CUSTODY RECORD



Research Environmental & Industrial Consultants, Inc.
MAIN LABORATORY & CORPORATE HEADQUARTERS:
 P.O. Box 286 - 225 Industrial Park Rd. Beaver, WV 25813
 800-999-0105 - 304-255-2500 - www.reiclabs.com

MID-OHIO VALLEY Service Center
 209 15th Street
 Ashland, KY 41101
 606-393-5027

ROANOKE Service Center
 3029-C Peters Creek Rd
 Roanoke, VA 24019
 540-777-1276

V5-1109 REIC ONLY CLIENT ID _____ DATE _____ SHEET _____

Client: Environmental Alliance, Inc. PO # _____

Contact Person: Jason Early Phone: 804-752-3558

Address: 8215 Hermitage Rd. City: Henrico State: VA Zip: 23228

Billing Address (if different): City: Henrico State: VA Zip: 23228

Site ID & State: Smallfield Franklinsville, NC Project ID: 2719 Sampler: Matt Scott



ANALYSIS & METHOD REQUESTED Chloride 300.0

SAMPLE LOG & ANALYSIS REQUEST

TURNAROUND TIME
 NORMAL 5 DAY 3 DAY 2 DAY 1 DAY
 *Rush work needs prior laboratory approval and will incur additional charges

SAMPLE ID	No. & Type of Containers	Sampling Date/Time	Matrix	Sample Completed	ICED?	Y.	N.
S10123131310	1	1/23/13 1310	Water	Grab	✓		
S20123131315	1	1/23/13 1315	Water	Grab	✓		
S30123131320	1	1/23/13 1320	Water	Grab	✓		
SS2010123131400	1	1/23/13 1400	Solid	Comp	✓		
SS2040123131420	1	1/23/13 1420	Solid	Comp	✓		
SS1010123131440	1	1/23/13 1440	Solid	Comp	✓		
SS1040123131500	1	1/23/13 1500	Solid	Comp	✓		
SS3010123131520	1	1/23/13 1520	Solid	Comp	✓		
SS3040123131540	1	1/23/13 1540	Solid	Comp	✓		

ENTER PRESERVATIVE CODE

g None
 1 Hydrochloric Acid
 2 Nitric Acid
 3 Sulfuric Acid
 4 Sodium Thiosulfate
 5 Sodium Hydroxide
 6 Zinc Acetate
 7 EDTA

COMMENTS:

All analytical requests are subject to REIC's Standard Terms and Conditions.

Temperature at arrival: 10°C

Client Signature: [Signature] Date/Time: 1/29/13 1430

REIC Signature: [Signature] Date/Time: 1/29/13 1430

ICED? Y. N.

CHAIN OF CUSTODY RECORD



Research Environmental & Industrial Consultants, Inc.
MAIN LABORATORY & CORPORATE HEADQUARTERS:
 P.O. Box 286 • 225 Industrial Park Rd, Beavert, WV 25813
 800-999-0105 • 304-255-2500 • www.reiclabs.com

MID-OHIO VALLEY Service Center
 209 15th Street
 Ashland, KY 41101
 606-393-3027

SHENANDOAH Service Center
 1557 Commerce Rd., Ste. 201
 Verona, VA 24482
 540-248-0183

ROANOKE Service Center
 3029-C Peters Creek Rd
 Roanoke, VA 24019
 540-777-1276

V5-1109 REIC LAB ONLY CLIENT ID: _____ DATE: _____ SHEET: _____

Client: Environmental Alliance, Inc.
 Contact Person: Jason Early
 Address: 8215 Hermitage Rd
 City: Henrico State VA Zip 23228
 Billing Address (if different):
 City: Henrico State VA Zip: 23228
 Site ID & State: Smithfield Franklinville, NC Project ID: 2719 Sampler: Matt Scott



ANALYSIS & METHOD REQUESTED: Chro66-300.0

SAMPLE LOG & ANALYSIS REQUEST

TURNAROUND TIME
 NORMAL 5 DAY 3 DAY 2 DAY 1 DAY
 *Rush work needs prior laboratory approval and will incur additional charges

SAMPLE ID	No. of Analytes Constituted	Sampling Date/Time	Matrix	Method	Preservative Code	Temperature at arrival, °C	ICED?	Y	N
RW50124131355	1	1/24/13 1355	GWater	Grab	4	1.0	Y	✓	
RW20124131450	1	1/24/13 1450	GWater	Grab	4	1.0	Y	✓	
				Choose	4				
				Choose	4				
				Choose	4				
				Choose	4				
				Choose	4				
				Choose	4				
				Choose	4				
				Choose	4				
				Choose	4				

- ENTER PRESERVATIVE CODE:**
- 0 None
 - 1 Hydrochloric Acid
 - 2 Nitric Acid
 - 3 Sulfuric Acid
 - 4 Sodium Thiosulfate
 - 5 Sodium Hydroxide
 - 6 Zinc Acetate
 - 7 EDTA

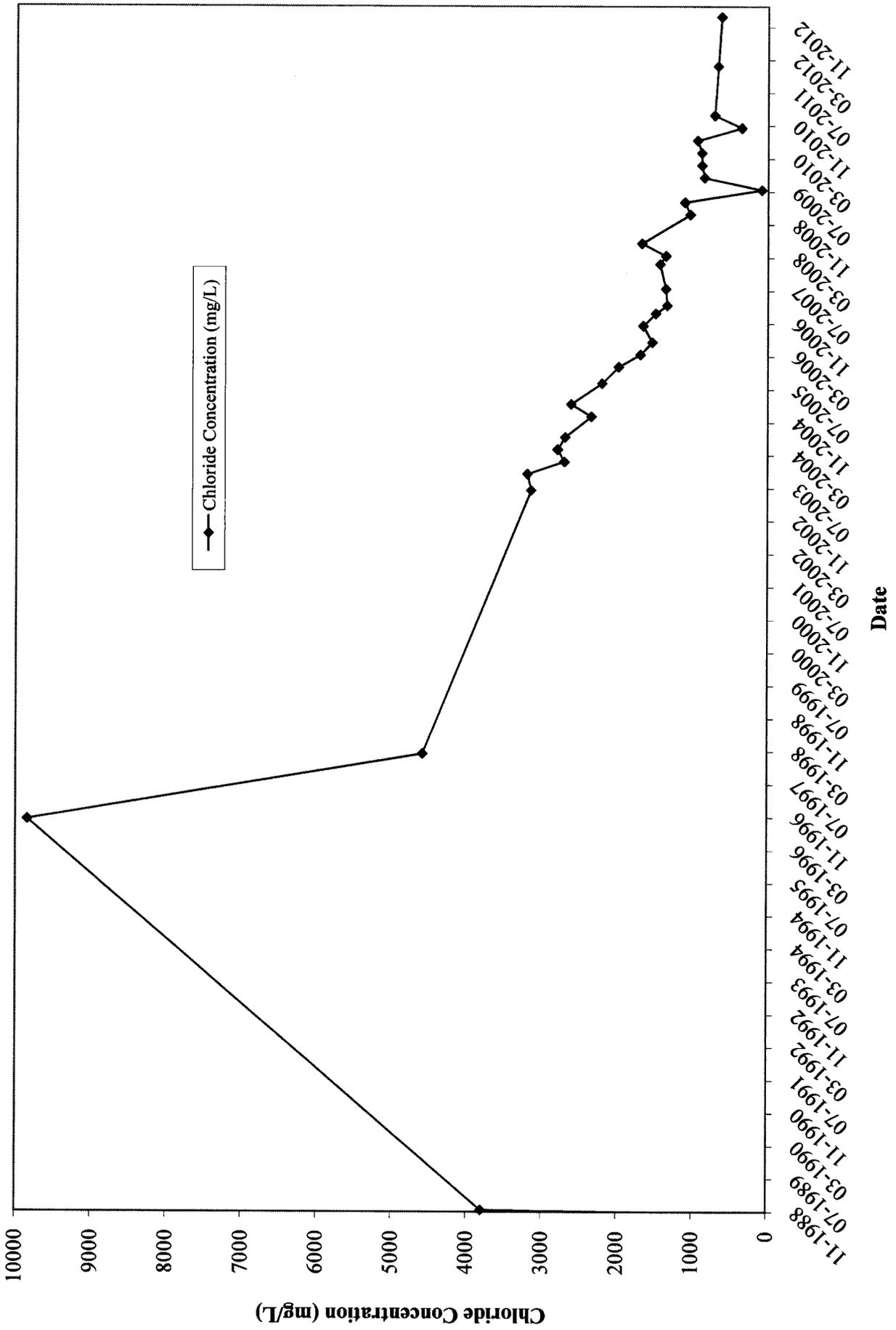
COMMENTS:

All analytical requests are subject to REIC's Standard Terms and Conditions.

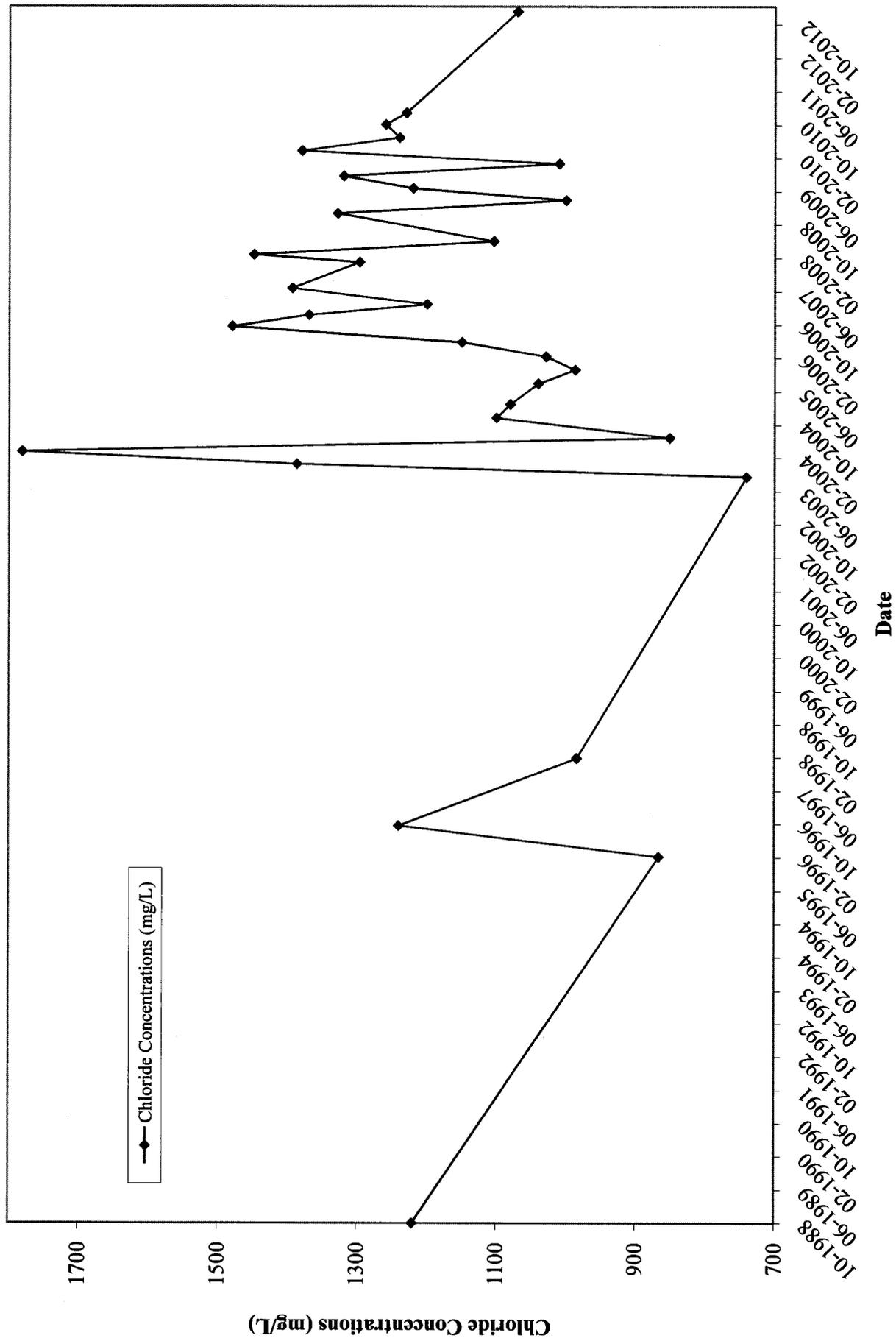
Prepared by: [Signature] Date/Time: 1/24/13 1430
 Received by: [Signature] Date/Time: 1/24/13 1431
 Temperature at arrival: 1.0 °C
 ICED? Y ✓ N

APPENDIX B
CHLORIDE TIME SERIES GRAPHS

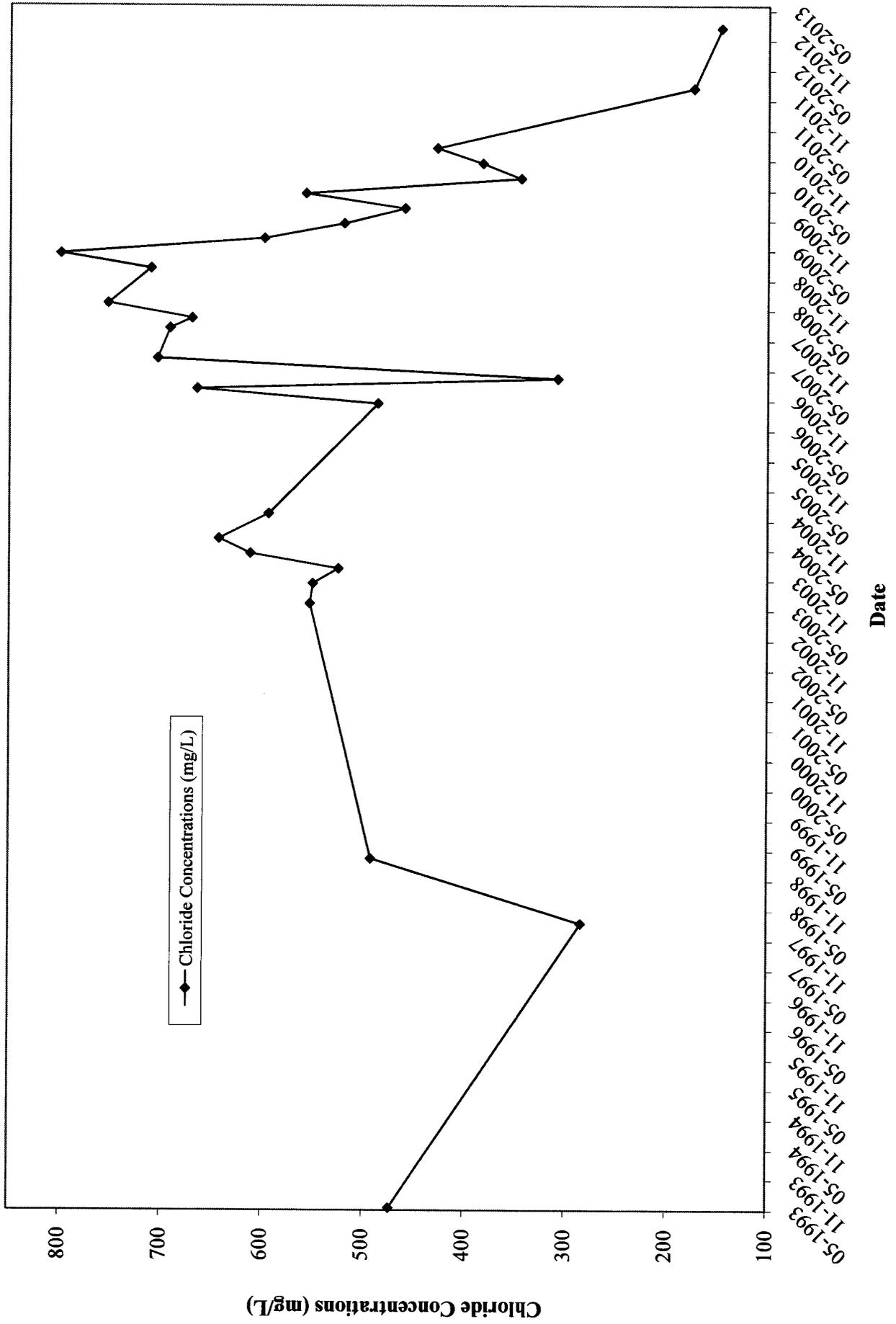
MW-1S Chloride Concentration Over Time



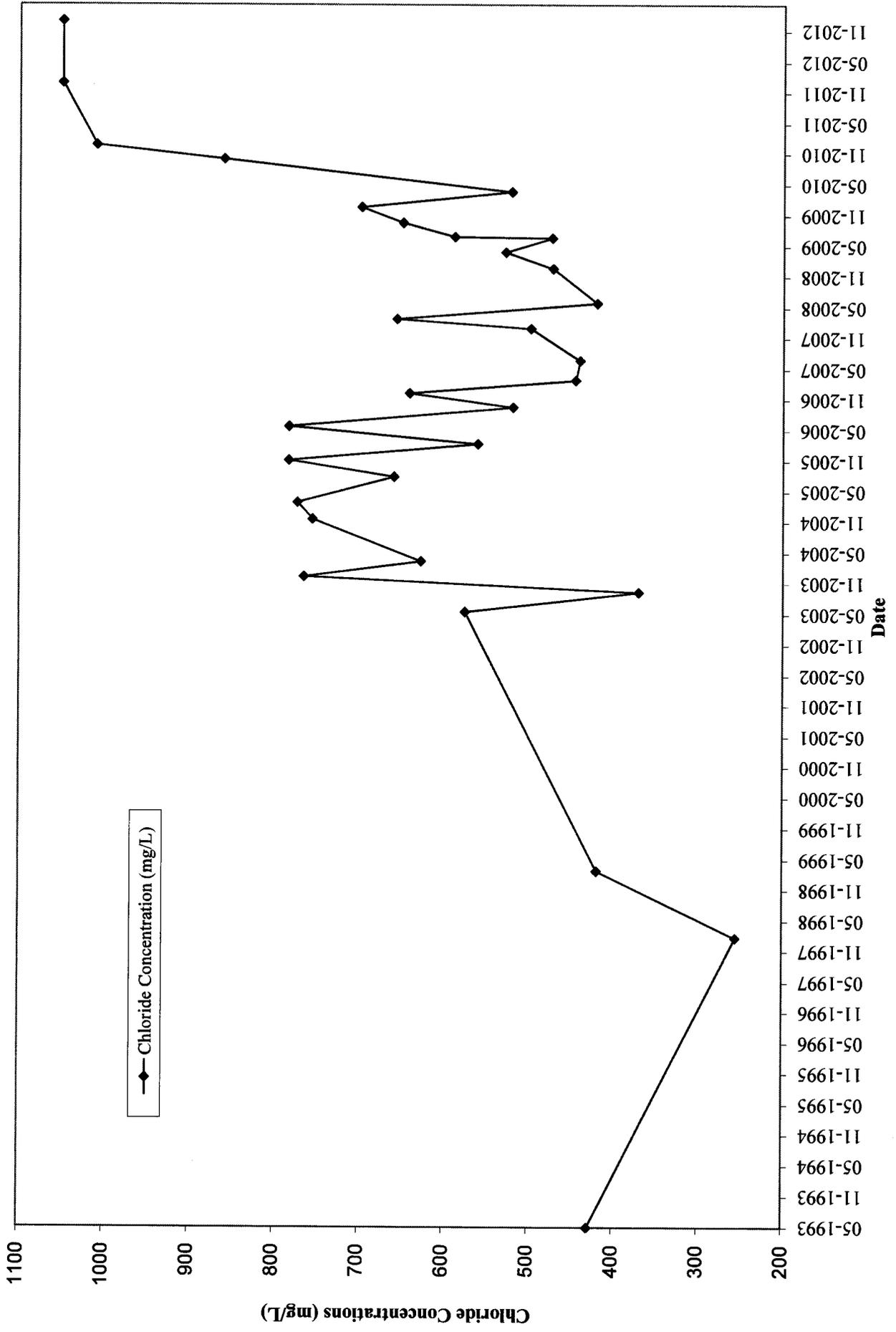
MW-1D Chloride Concentrations Over Time



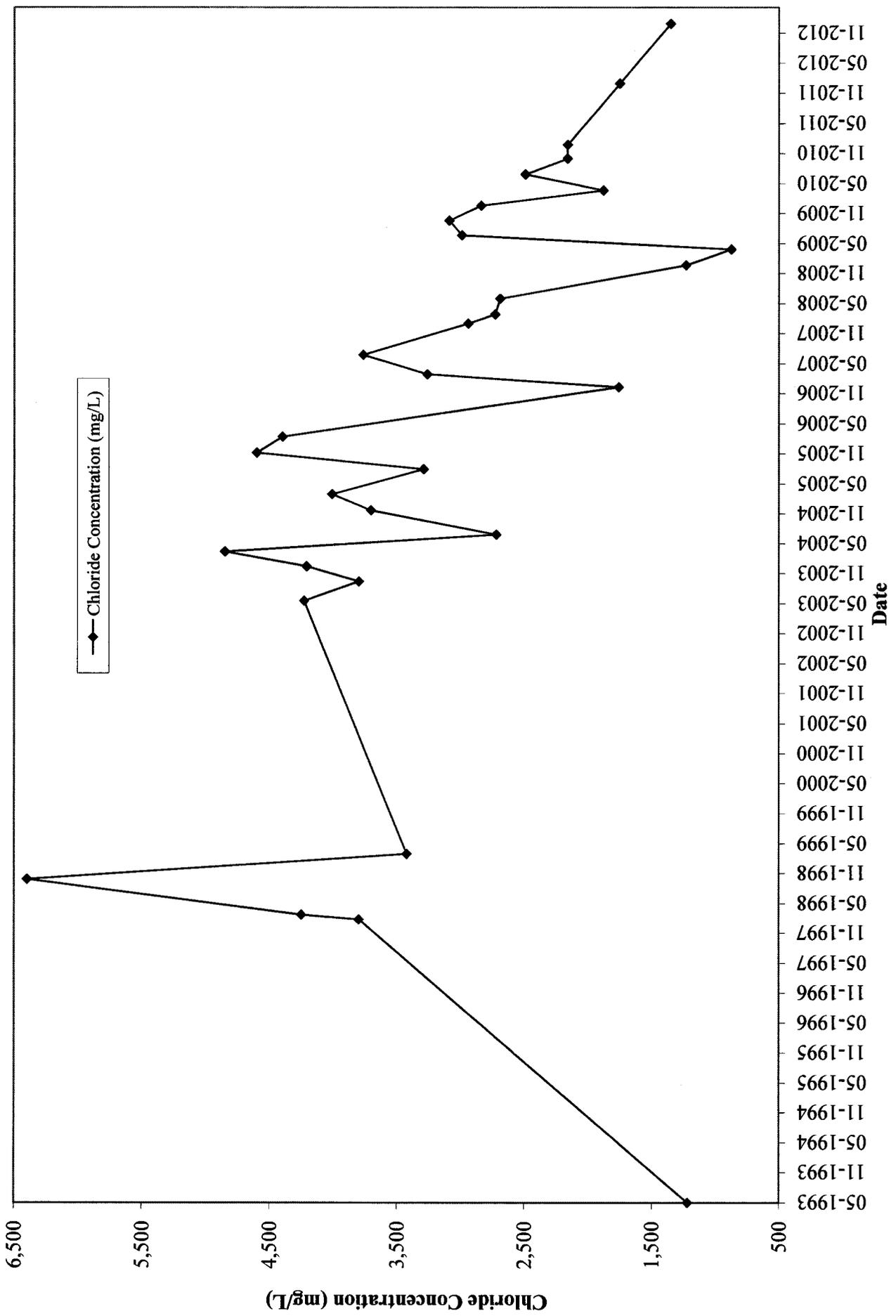
RW-1 Chloride Concentrations Over Time



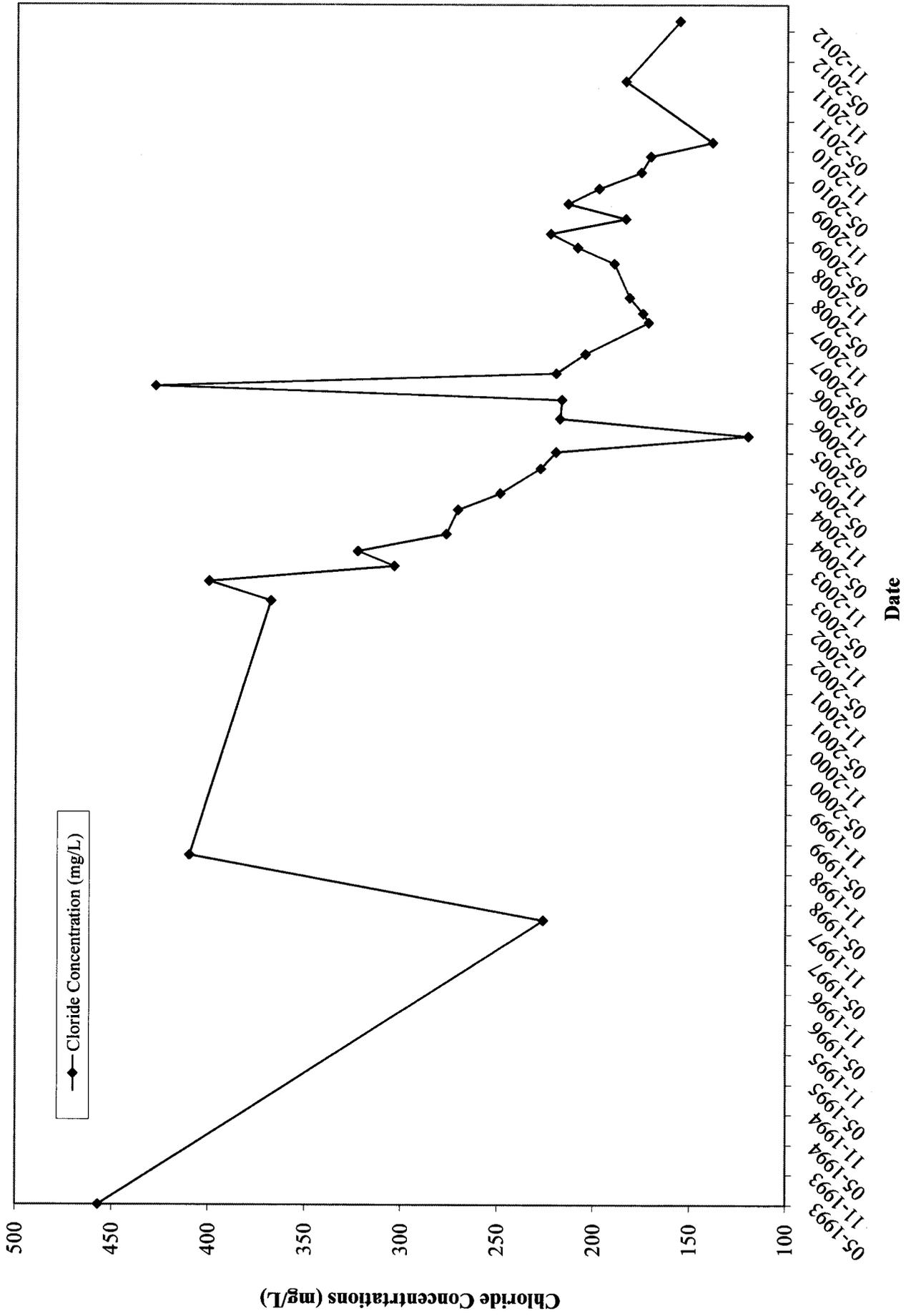
RW-2 Chloride Concentrations Over Time



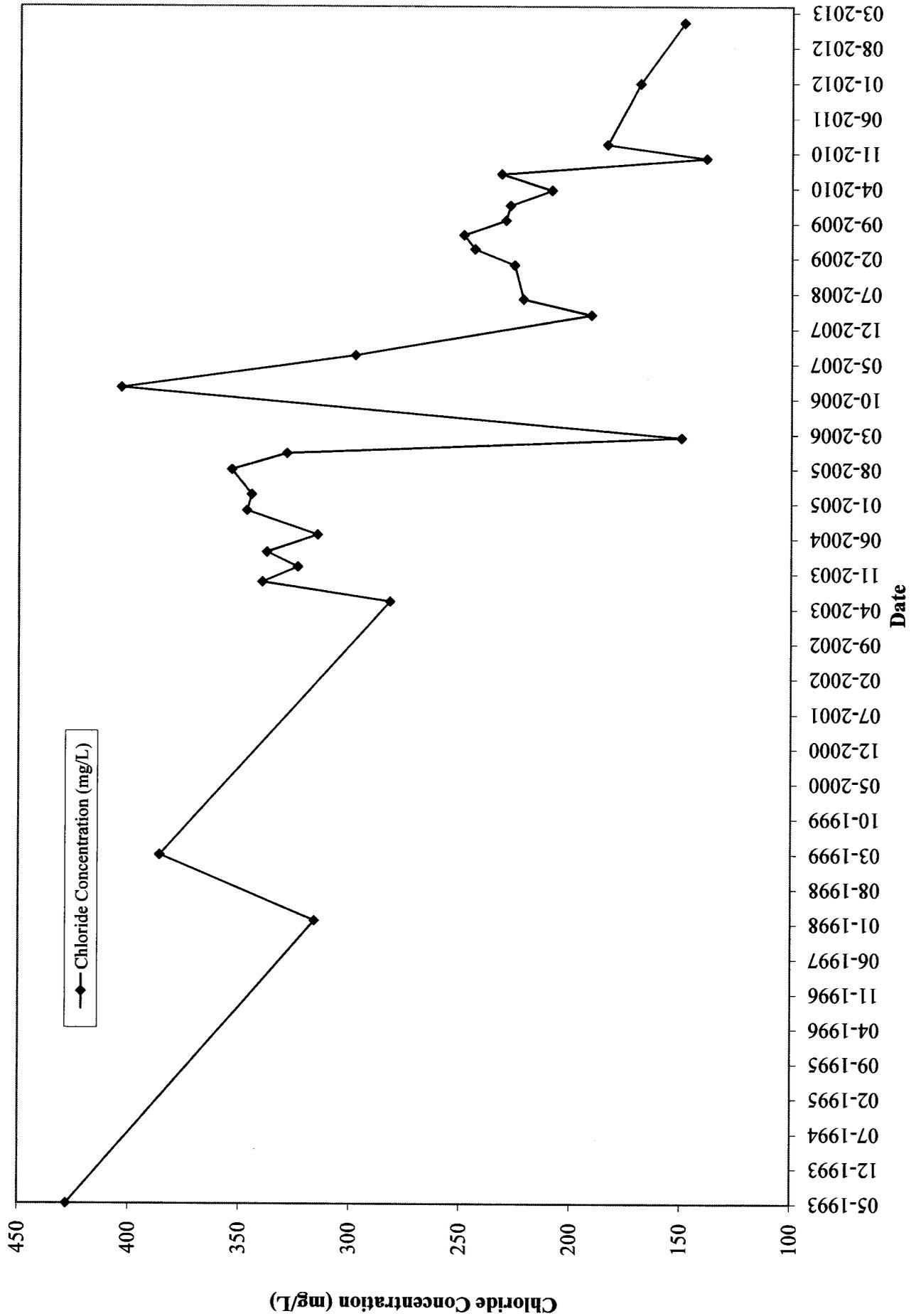
RW-3 Chloride Concentration Over Time



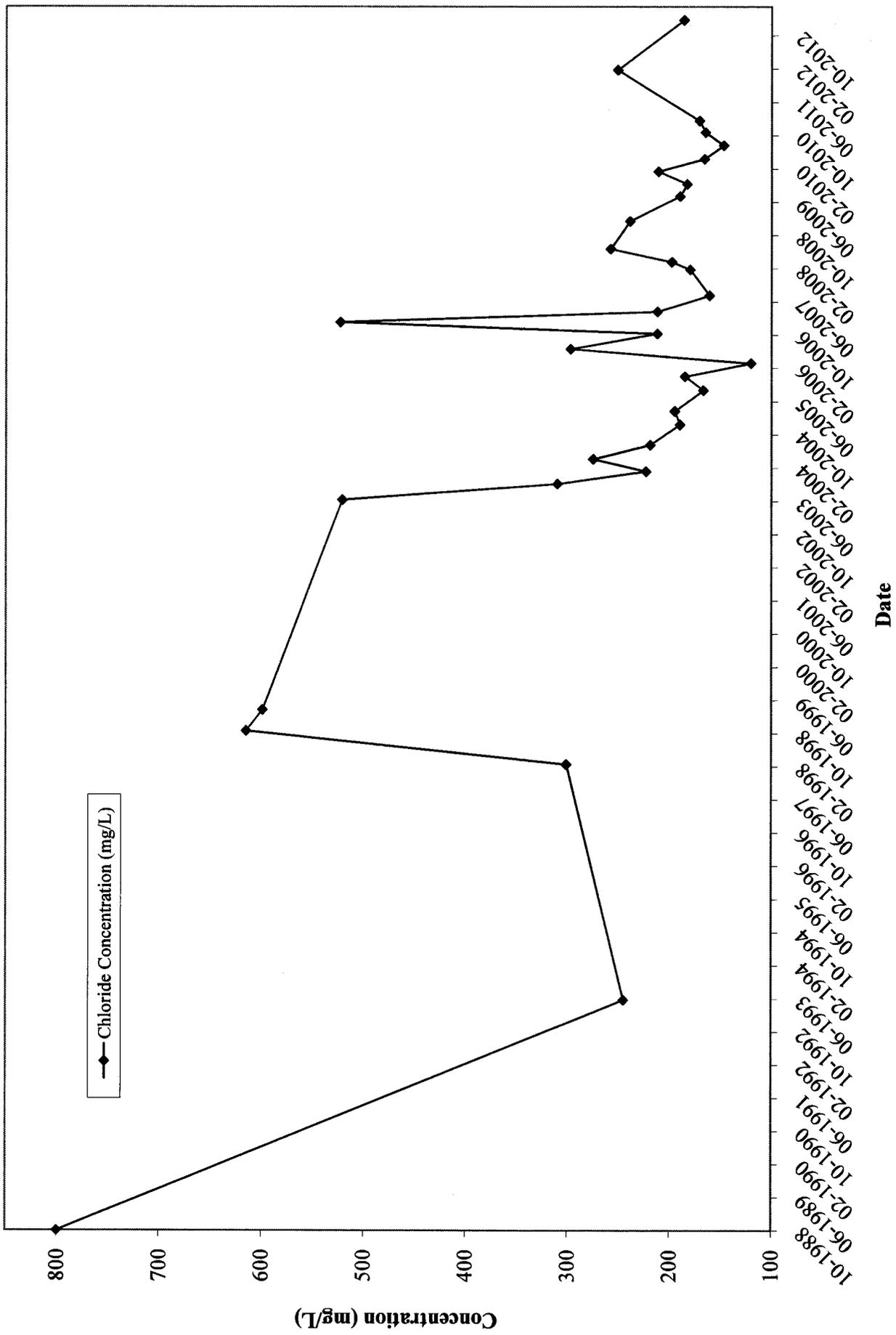
RW-4 Chloride Concentration Over Time



RW-5 Chloride Concentration Over Time



RW-6 Chloride Concentration (mg/L)



RW-7 Chloride Concentration Over Time

