December 18, 2012

Dredge Spoil Evaluation Report

Snow Creek and Choccolocco Creek
Calhoun and Talladega Counties, Alabama

Prepared for

Solutia Inc.
300 Birmingham Highway
Anniston, Alabama 36201

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

1222 Forest Parkway, Suite 190, West Deptford, New Jersey 08066

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1.0 INTRODUCTION

Roux Associates, Inc. (Roux Associates) has prepared this report to summarize the status of previously identified dredge spoil areas along Snow and Choccolocco Creeks in Calhoun and Talladega Counties, Alabama for Solutia Inc. (Solutia).

In September 2012, Roux Associates and a Solutia representative performed a reconnaissance of the remaining known dredge spoil areas. The objective of this report is to summarize the findings of the September 2012 field reconnaissance and provide an updated overview of the status of the dredge spoil areas.

This report is divided into four sections. Section one provides an introduction and the objective of this report. Background information is presented in Section 2.0. Section 3.0 summarizes the September 2012 field reconnaissance activities and findings. Findings are presented in Section 4.0. Supporting tables and appendices are included at the end of this report.

2.0 BACKGROUND

Select dredging activities have been previously performed in both Snow and Choccolocco Creeks. Dredging along Snow Creek was historically conducted by the City of Anniston on an as-needed basis to address specific construction or potential flooding concerns. Sediments previously removed from Snow Creek were reportedly placed along the nearby banks of the creek. Previous flood protection measures implemented along Choccolocco Creek by the Soil Conservation Service (SCS), now known as the United States Natural Resources Conservation Services (NRCS), included dredging of sediment trap areas to improve stream flows. Dredge spoils from Choccolocco Creek were deposited in existing depressions or above grade areas proximate to the creek. These dredge spoils were stabilized by limiting the height and slope of the spoil areas and covering the area with topsoil and vegetative cover.

Previously (1998-1999), the dredge spoil areas were managed by Solutia under the Resource Conservation and Recovery Act (RCRA) Corrective Action Program in accordance with the requirements of its RCRA Post-Closure Permit No. ALD004019048 issued by the Alabama Department of Environmental Management (ADEM) on January 7, 1997. Pursuant to the requirements of the RCRA permit, Roux Associates, on behalf of Solutia, prepared the *Dredge Spoil Area Evaluation Report* submitted to ADEM in October 1998 (Appendix A) which included the locations and physical evaluations of 27 known or suspected dredge spoil areas. Roux Associates also prepared and submitted the *Dredge Spoil Area RFI/CS Phase I Report* in September 1999 (Appendix B) which included chemical analysis of select dredge spoil areas. The dredge spoil areas are currently managed in a manner consistent with other PCB-containing soils pursuant to the Administrative Order on Consent that is Appendix C to the Partial Consent Decree between Solutia, Pharmacia LLC and the United States Environmental Protection Agency (USEPA).

3.0 SEPTEMBER 2012 RECONASSAINCE ACTIVITIES

The field reconnaissance of both Snow Creek and Choccolocco Creek dredge spoil areas was conducted by Roux Associates and a Solutia representative during the week of September 10, 2012. As part of the field reconnaissance activities, each remaining previously identified dredge spoil area was physically inspected to determine its location, physical dimensions and physical condition. In addition, each area was photographed and evaluated for evidence of potential slope instability, erosion and/or other disturbances.

The location of each dredge spoil area was determined using a Global Positioning System (GPS) unit manufactured by Trimble, unit model number Geo XT handheld. The datum reference for this study is WGS 84. Location data were determined in a northing and easting format as well as latitude and longitude (degree) format to a precision of six (6) decimal places.

Other physical data collected for each dredge spoils area included:

- Bank location, left or right looking downstream
- Distance downstream in feet measured from:
    - 11^{th} Street Ditch confluence with Snow Creek
    - Snow Creek confluence with Choccolocco Creek
- Crest elevation of each dredge spoil area measured in feet above mean sea level
- The horizontal distance measured in feet from the toe of each dredge spoil area to the respective creek top of bank
- The elevation drop from the toe of dredge spoil pile to the top of bank
- Adjacent land use based on visual observation
- The length, width and height of the dredge spoil area
- Soil characteristics of the dredge spoil area

- The type of cover and extent of vegetation for each area
- Average slopes along the length and width of each dredge spoil area and the steepest slope observed
- Identification of any physical evidence of slumping, erosion or slope stability problems at each area

All of the data collected during this task were recorded on data sheets provided in Appendix E. Digital photographs of each area were also taken and are provided on the data sheets.

4.0 FINDINGS

4.1 Snow Creek

There were initially a total of eight dredge spoil areas located along the banks of Snow Creek between the confluence with the 11th Street Ditch and Choccolocco Creek (Figure A). During a residential removal action at 710 Pine Street (Parcel 2609) completed June 23, 2009, Area No. 3 was incorporated into the scope of work and was removed from the bank along Snow Creek, documented in *Snow Creek Dredge Spoil Pile Removal, 710 Pine Street Property, December 18, 2012* (Appendix D). During November 2009, three dredge spoils areas (Nos. 4, 5 and 6) were removed from the banks along Snow Creek as part of the Snow Creek Sediment Removal Action with the City of Anniston. Documentation of this removal action was submitted to USEPA in *Snow Creek Sediment Removal Action Completion Report, February 5, 2010* (Appendix C)**.**

The dredge spoil areas remaining adjacent to Snow Creek include Area Nos. 1, 2, 7 and 8. Physical data collected for each area are presented on data sheets in Table 1 and Appendix E. The dredge spoil areas range in height from 3 to 7 feet and in areal extent from 225 square feet to 44,000 square feet. The remaining dredge spoil areas have a well-established vegetative cover comprised of trees, ivy, vines, weeds, brush, brier or kudzu. A non-woven geotextile was also observed at Area No. 1. Evidence of creek bank erosion was observed along the four remaining Snow Creek dredge spoil Areas, and some minor slumping was observed in Area No. 2 on the west bank. The widths of dredge spoil Areas No. 7 and No. 8 were marginally smaller than the initial investigation which occurred in September 1998. Field measurements indicated that Area No. 7 had an initial width of 40 feet in 1998 and in 2012 had a width of 30 feet. Area No. 8 had an initial width of 80 feet in 1998 and in 2012 had a width of 70 feet.

4.2 Choccolocco Creek

There are a total of 19 dredge spoil areas located along the banks of Choccolocco Creek between its confluence with Snow Creek and Coldwater Creek (Figures B and C). Physical data collected for each area are presented on data sheets in Table 1 and Appendix E. Dredge spoils removed from Choccolocco Creek were beneficially reused by the NRCS (SCS) to fill low-lying areas or side slopes. The areas are generally located tens of feet away from the creek bank and are flat to mildly sloped showing no signs of slumping, erosion or other slope stability problems. These

confined disposal areas were constructed in accordance with NRCS (SCS) specifications and have a well-established vegetative cover (grass, weeds and trees) and no further action is recommended. Dredge spoil areas located along Choccolocco Creek are within the existing, as of September 2012, or proposed, Deed of Conservation Easement corridor with the Alabama Land Trust, Inc. (Figures B and C). Seventeen (17) of the 19 areas were existing topographically low areas requiring filling (e.g. gravel pits, borrow pits, old scour areas, etc.). The areas range in height or depth from a maximum of 10 feet high to 7 feet deep, and in areal extent from 2,500 square feet to 46,200 square feet. Only three areas extend laterally to within 10 feet of the creek bank (Area Nos. 9, 24 and 29). The remaining areas are located at distances ranging from 20 feet to 500 feet away from the adjacent creek bank. There was no evidence of slumping, erosion or other stability problems with any of the areas with the exception of Area 26. It appears that a drainage swale was installed within the dredge spoils area at this location. This intrusion is being addressed by the Alabama Land Trust, which holds a conservation easement on property inclusive of this dredge spoil area. The majority of the slopes are flat as would be expected for filled-in, low-lying areas. All of the areas have a well-established vegetative cover comprised of grass, weeds and trees.

TABLES

Table 1. Dredge Spoil Area Location, Property Ownership, and Land Use Data

Dredge Spoil Area	Location Lat. (°N) / Long. (°W)	Property Owner	Land Use
Area 1 / Snow Creek	33°-39' 17.9800" / 85° 50' 13.1877"	Anniston Land Co., Inc.	Open Field / undeveloped
Area 2 / Snow Creek	33°-39' 18.0002" / 85° 50' 14.3286"	Anniston Land Co., Inc.	Hillside Slope / undeveloped
Area 7 / Snow Creek	33°-37' 24.9002" / 85° 49' 46.4126"	U.S. Castings/U.S. Pipe, Primax Properties, LLC., James Jennings, Donal O. & Zandra Sills, (Frank) Chien-Hwa Chen	Flood plain / undeveloped
Area 8 / Snow Creek	33°-37' 24.0919" / 85° 49' 46.2525"	U.S. Castings/U.S. Pipe, Primax Properties, LLC., James Jennings, Donal O. & Zandra Sills, (Frank) Chien-Hwa Chen	Flood plain / undeveloped
Area 1 / Choccolocco Creek	33° 34' 48.9501" / 85° 54' 49.7044"	Wanda Champion	Flood plain / agricultural
Area 4 / Choccolocco Creek	33° 34' 59.9733" / 85° 53' 59.5825"	Perry & Patricia Kerr	Pasture / agricultural
Area 5 / Choccolocco Creek	33° 34' 52.4686" / 85° 54' 03.9470"	Perry & Patricia Kerr	Pasture / agricultural
Area 7 / Choccolocco Creek	33° 34' 39.1138" / 85° 54' 07.6704"	Perry & Patricia Kerr	Pasture / agricultural
Area 9 / Choccolocco Creek	33° 34' 39.5886" / 85° 53' 55.1254"	Perry & Patricia Kerr	Flood plain / agricultural
Area 10 / Choccolocco Creek	33° 34' 33.1961" / 85° 53' 43.2474"	Perry & Patricia Kerr	Flood plain / agricultural
Area 12 / Choccolocco Creek	33° 34' 33.2024" / 85° 53' 22.0937"	Doris R. Burrows	Flood plain / agricultural
Area 15 / Choccolocco Creek	33° 34' 34.0765" / 85° 53' 13.1504"	Calhoun County Economic Development Council	Undeveloped
Area 16 / Choccolocco Creek	33° 34' 30.8762" / 85° 53' 00.6391"	Calhoun County Economic Development Council	Undeveloped
Area 18 / Choccolocco Creek	33° 34' 38.1790" / 85° 52' 13.0771"	City of Anniston	Airport buffer zone
Area 19 / Choccolocco Creek	33° 34' 31.3623" / 85° 51' 58.8287"	Billy Ray & Tommie Jean Camp	Pasture
Area 23 / Choccolocco Creek	33° 35' 01.6099" / 85° 51' 09.9273"	Joe N Bennett	Pasture / agricultural
Area 24 / Choccolocco Creek	33° 35' 02.0814" / 85° 50' 54.9943"	Joe N Bennett	Pasture / agricultural
Area 25 / Choccolocco Creek	33° 35' 05.1703" / 85° 50' 45.5931"	Alabama Land Trust	Flood plain / agricultural
Area 26 / Choccolocco Creek	33° 35' 11.6729" / 85° 50' 32.8112"	Phyllis S. Weaver	Pasture / agricultural
Area 28A / Choccolocco Creek	33° 35' 20.6653" / 85° 50' 05.1416"	Phyllis S. Weaver	Pasture / agricultural
Area 28B / Choccolocco Creek	33° 35' 26.1406" / 85° 49' 59.4665"	Phyllis S. Weaver	Pasture / agricultural
Area 29 / Choccolocco Creek	33° 35' 37.2064" / 85° 49' 48.6254"	Phyllis S. Weaver	Pasture / agricultural
Area 31 / Choccolocco Creek	33° 35' 52.9926" / 85° 49' 43.2965"	Jay F. Pumroy	Pasture / agricultural

FIGURES

City: SYR Div/Group: IM Created By: EAL Last Saved By: elefevre
ANNISTON AL
Q:\Anniston_PCB_site\DredgeSpoils\mxd\DredgeSpoilArea_ROUX_SC.mxd 11/28/2012 8:19:21 PM

LEGEND:
- DREDGE SPOIL PILE
- DREDGE SPOIL PILE (REMOVED)
- 100-YR FLOODPLAIN
- ROADS

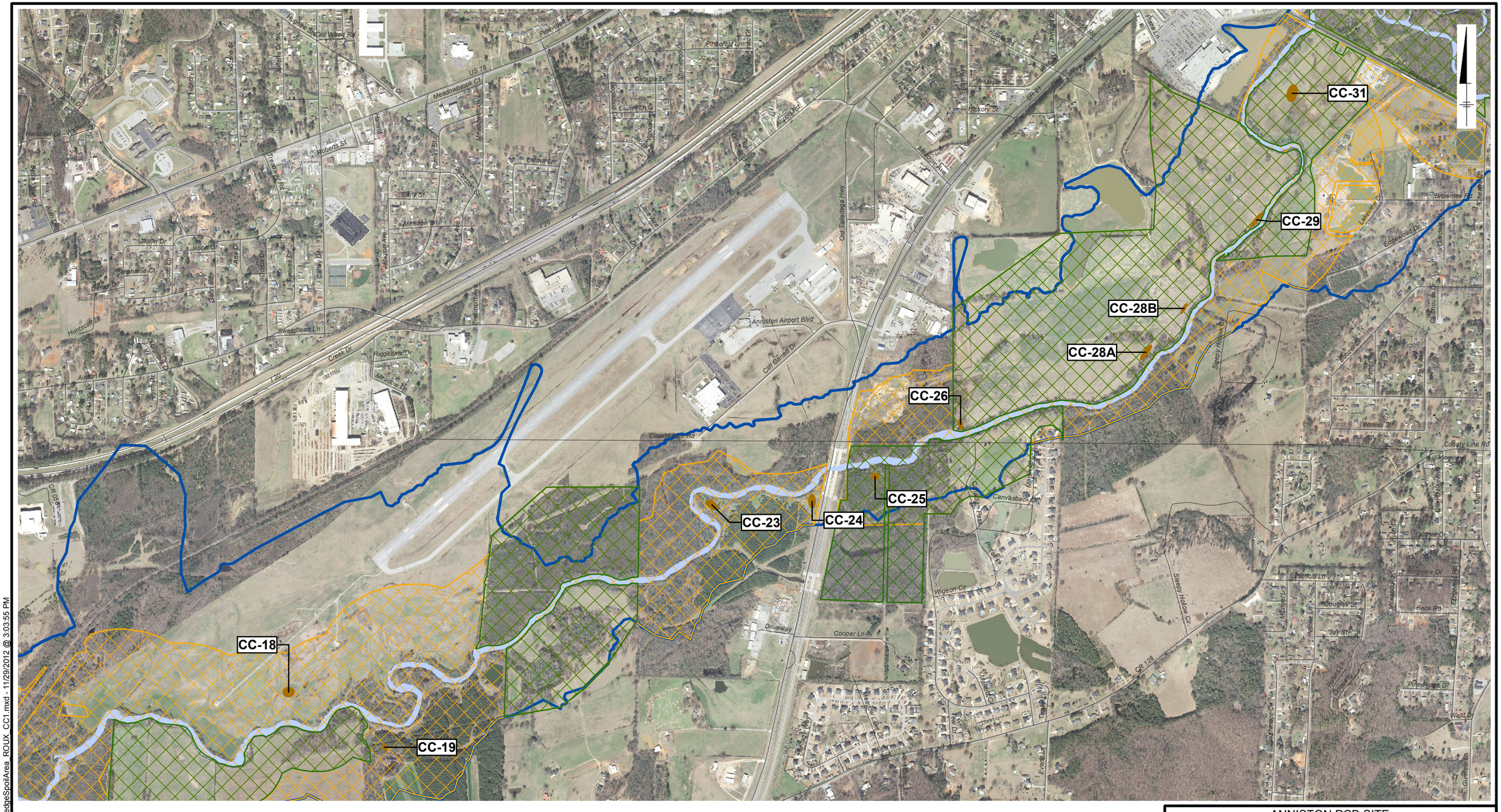
0 900 1,800 Feet
GRAPHIC SCALE

ANNISTON PCB SITE
ANNISTON, ALABAMA

DREDGE SPOIL AREAS
SNOW CREEK

Solutia
Ingenuity
Productivity
Performance

FIGURE
A



LEGEND:
- DREDGE SPOIL PILE
- CREEK
- 100-YR FLOODPLAIN
- ROADS
- PROPOSED CONSERVATION CORRIDOR
- CONSERVATION CORRIDOR AS OF SEPT 2012

0 1,200 2,400 Feet
GRAPHIC SCALE

ANNISTON PCB SITE
ANNISTON, ALABAMA

DREDGE SPOIL AREAS
CHOCCOLOCCO CREEK

Solutia
Ingenuity Productivity Performance

FIGURE
B

CITY: ROCH DIV/GROUP: 40 DB: LD: EAL PIC: AF PM: TM: MS TR:
Anniston
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LEGEND:

- DREDGE SPOIL PILE
- CREEK
- 100-YR FLOODPLAIN
- ROADS
- PROPOSED CONSERVATION CORRIDOR
- CONSERVATION CORRIDOR AS OF SEPT 2012

0 800 1,600 Feet

GRAPHIC SCALE

ANNISTON PCB SITE
ANNISTON, ALABAMA

DREDGE SPOIL AREAS
CHOCCOLOCCO CREEK

Solutia
Ingenuity Productivity Performance

FIGURE
C

CITY: ROCH DIV/GROUP: 40 DB: LD: EAL PIC: AF PM: TM: MS TR:
Anniston
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APPENDIX A

DREDGE SPOIL AREA EVALUATION REPORT, OCTOBER 15, 1998

SOLUTIA

Applied Chemistry, Creative Solutions

Solutia Inc.
300 Birmingham Highway
Anniston, Alabama 36201
Tel 205-231-8447

October 15, 1998

Mr. Wm. Gerald Hardy, Chief
Hazardous Waste Branch
Land Division
Alabama Department of Environmental Management
1751 Cong. W. L. Dickinson Drive
Montgomery, Alabama 36109-2608

Re: ***Dredge Spoil Area Evaluation Report***
Solutia Inc. Anniston, AL Facility
EPA ID No. ALD 004 019 048

Dear Mr. Hardy:

Please find enclosed three (3) copies of Roux Associates, Inc.'s *Dredge Spoil Area Evaluation Report* presenting the findings and proposed recommendations regarding our recent evaluation of dredge spoil areas along Snow and Choccolocco Creeks. This report is submitted in accordance with the scope and schedule of our approved *Off-Site Interim Measures Plan, Revision 1.0*. We look forward to your review and approval of the proposed actions.

Sincerely,
SOLUTIA INC.

Alan G. Faust
Manager of Remedial Projects

enclosures

DREDGE SPOIL AREA EVALUATION REPORT
SNOW CREEK AND CHOCCOLOCCO CREEK
CALHOUN AND TALLADEGA COUNTIES, ALABAMA

October 15, 1998

prepared for:

Solutia Inc.
300 Birmingham Highway
Anniston, Alabama 36201

prepared by:

ROUX ASSOCIATES, INC.
1110 Nasa Road One, Suite 207
Houston, Texas 77058
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APPENDICES

1.0 INTRODUCTION

1.1 Background Information

Roux Associates, Inc. was retained by Solutia Inc. (Solutia) to locate and evaluate dredge spoil areas along Snow and Choccolocco Creeks in Calhoun and Talladega Counties, Alabama. The general area investigated is shown on Figure 1. Dredging along Snow Creek has been conducted by the City of Anniston on an as-needed basis to address specific construction or flooding concerns. Sediments previously removed from Snow Creek were reportedly placed along the nearby banks of the creek. Previous flood protection measures implemented along Choccolocco Creek by the Soil Conservation Service (SCS), now known as the United States Natural Resources Conservation Service (NRCS), included dredging of sediment trap areas to improve stream flows. Dredging of Choccolocco Creek near Oxford, Alabama was completed in a three-phase program which commenced in 1990 and was completed in 1994. Sediments removed from Choccolocco Creek were deposited in existing depressions or above grade and were stabilized by limiting the height and slope of the spoil areas and covering the areas with topsoil and vegetative cover.

Solutia Inc. is presently conducting a Resource Conservation and Recovery Act (RCRA) Corrective Action Program in accordance with the requirements of its RCRA Post-Closure Permit No. ALD004019048 issued by the Alabama Department of Environmental Management (ADEM) on January 7, 1997. On June 19, 1998, Solutia submitted an *Off-Site Interim Measures Plan* (Plan) to ADEM. This Plan was subsequently revised on August 5, 1998 and approved for implementation by ADEM on August 14, 1998. One of the tasks approved in the Plan was to locate and evaluate the previously described dredge spoil areas along Snow and Choccolocco Creeks. This document describes the methods used to locate and evaluate the dredge spoil areas (Section 2.0), reports the findings of this evaluation (Section 3.0), and presents recommendations as appropriate to ensure the future stability of these areas (Section 4.0).

1.2 Objectives

The objectives of this evaluation are to :

- Locate significant dredge spoil deposits in the area under investigation;
- Identify analytical characterization data, if any, that may have been collected for dredged material;
- Determine property ownership and land use for each dredge spoil area;
- Physically inspect and evaluate dredge spoil areas for stability and erosion control; and
- Identify future stabilization measures needed, if any, to control potential erosion or exposure.

2.0 METHODS OF INVESTIGATION

The following tasks were implemented to achieve the objectives described in Section 1.2:

1. Task 1 - Identify Potential Locations of Dredge Spoil Areas
2. Task 2 - Determine Property Ownership and Obtain Access
3. Task 3 - Identify Previously Collected Analytical Data (If Any)
4. Task 4 - Conduct Physical Inspection and Reconnaissance
5. Task 5 - Evaluate Stability and Exposure Potential
6. Task 6 - Prepare Report Detailing Findings and Recommendations

The methods of investigation used to complete Tasks 1 through 5 are described in detail in the following subsections. The findings of this investigation are presented in Section 3.0, and recommendations are presented in Section 4.0.

2.1 Identify Potential Locations of Dredge Spoil Areas

This task involved identifying and locating potential dredge spoil areas along the Snow Creek and Choccolocco Creek watershed areas. Dredging of Snow Creek from its confluence with the 11th Street Ditch along downstream areas of interest is the responsibility of the City of Anniston (City). City personnel were contacted and asked to perform a joint preliminary inspection to identify all dredge spoil areas along this reach of Snow Creek within the City limits. Eight potential areas were identified along the east and west banks of the Creek as shown on Figure 2. In each area, previously dredged material had been placed along the banks of the Creek.

Contract documents provided by the NRCS (Choccolocco Creek Channel Work, Contract Nos. 1 and 2) were reviewed to determine potential dredge spoil areas along Choccolocco Creek. A total of 32 potential areas were identified along the banks of Choccolocco Creek between its confluence with Snow Creek and Coldwater Creek. Preliminary discussions with NRCS personnel, however, indicated that only 19 of the 32 areas were actually used for placement of dredge spoils as shown on Figure 2. In addition, 17 of the 19 areas used were existing depressions or low areas requiring filling.

2.2 Determine Property Ownership and Obtain Access

Land ownership at each dredge spoil area location was determined by reviewing tax records and maps for Calhoun and Talladega Counties. Ownership information for dredge spoil areas along Snow and Choccolocco Creeks is provided in Table 1. All land owners along Snow Creek provided access to their properties for inspection. Preliminary discussions with the NRCS indicated that they previously negotiated and maintained access agreements with property owners along Choccolocco Creek allowing access to all identified dredge spoil areas. Solutia subsequently contacted the NRCS and the Choccolocco Creek Watershed Conservancy District (District) to request their cooperation in providing access to these areas. The District granted approval of this request and subsequently notified respective property owners that representatives from Solutia and the NRCS would be conducting inspections of dredge spoil areas located on their properties.

2.3 Identify Previously Collected Analytical Data

During this task, the City of Anniston and the NRCS were contacted to determine if either entity collected any analytical data characterizing materials previously dredged from Snow and Choccolocco Creeks, respectively. The City indicated that no analytical data were collected prior to dredging or after placement of the dredged material along the banks of Snow Creek.

Discussions with the NRCS indicated that no characterization sampling was performed in conjunction with its dredging activities in Choccolocco Creek. Previous sediment sampling conducted in 1983 along a 1 and $\frac{3}{4}$ mile segment of the Creek between its confluence with Snow Creek and the downstream Highway 21 bridge indicated polychlorinated biphenyl (PCB) concentrations ranging from 2.1 micrograms per gram (µg/g or parts per million) to 19.2 µg/g, with an average concentration of 9.9 µg/g for eight sets of composited samples. Based on these data collected by Monsanto Company, SCS and ADEM personnel indicating concentrations below 50 parts per million, the SCS sought and was granted approval to place all subsequently dredged material in the pre-selected locations referenced above.

2.4 Physical Inspection and Reconnaissance

During this task, each dredge spoil area previously identified was physically inspected to determine its exact location, physical dimensions and physical condition. In addition, each area was photographed and evaluated for evidence of slope stability or erosion problems. The inspections of Choccolocco Creek areas were conducted by civil engineers from Roux Associates, Inc. and Golder Associates, Inc., with staff support from Genesis Project, Inc., during the week of August 31, 1998. Staff from the NRCS accompanied the inspectors to confirm the locations of dredge spoil areas previously identified on contract maps. The inspection of the Snow Creek areas was conducted by a civil engineer from Golder Associates, Inc. during the week of September 7, 1998.

The exact location of each dredge spoil area was determined using a Global Positioning System (GPS) unit manufactured by Corvallis Microtechnology, Inc., unit model number CMT PC5L-GPS 9400. This unit has 12-channel tracking capabilities and is accurate to one (1) meter. Locations were logged in the "static" operational mode with a minimum occupation time of 30 seconds. Data collected in the field were downloaded and differentially corrected using a program provided by the manufacturer with data retrieved from a local base station in Birmingham, Alabama. The datum reference for this study is WGS 84. Location data were determined in a northing and easting format as well as latitude and longitude (degree) format to a precision of six (6) decimal places.

Other physical data collected for each area included:

- Bank location, left or right looking downstream
- Distance downstream in feet measured from:
  - ◊ 11th Street Ditch confluence for Snow Creek
  - ◊ Snow Creek confluence for Choccolocco Creek
- Top or crest elevation of each area determined in feet above mean sea level
- The horizontal distance measured in feet from the toe of each area to the respective creek top of bank
- The elevation drop from the toe to the top of bank

- Land use based on visual observation
- The length, width and height of each area measured in feet
- The type of soil characteristic of the dredge spoil area
- The type of cover and extent of vegetation for each area
- Area slope data including average slopes along the length and width of each area and the steepest slope observed
- Identification of any physical evidence of slumping, erosion or slope stability problems at each area

All of the data collected during this task were recorded on data sheets provided in Appendix A. Digital photographs of each area were also taken and are provided on the data sheets.

3.0 INVESTIGATION FINDINGS

3.1 Snow Creek

There are a total of eight dredge spoil areas located along the banks of Snow Creek between its confluence with the 11th Street Ditch and Choccolocco Creek, as shown on Figure 2. Physical data collected for each area are presented on data sheets in Appendix A and summarized in Table 2. The dredge spoil areas range in height from 3 to 7 feet and in areal extent from 225 square feet to 44,000 square feet. Six of the eight areas extend to the top of bank. One of the areas, Area No. 1, has a non-woven geotextile cover installed. The remaining areas have a well established vegetative cover comprised of trees, ivy, vines, weeds, brush, brier or kudzu. Four of the eight areas, Area Nos. 3 through 6, exhibit 1:1, near vertical slopes and show evidence of minor slumping. Two of the areas, Area Nos. 7 and 8, are flat, parallel to the creek and have near vertical slopes at the creek bank, making them susceptible to possible bank erosion.

3.2 Choccolocco Creek

There are a total of 19 dredge spoil areas located along the banks of Choccolocco Creek between its confluence with Snow Creek and Coldwater Creek, as shown on Figure 2. Physical data collected for each area are presented on data sheets in Appendix A and summarized in Table 2. Seventeen (17) of the 19 areas were existing depressions or low areas requiring filling, e.g. gravel pits, borrow pits, old scour areas or other low areas. Area No. 16 was placed along an existing side slope, and Area No. 24 was deposited on the back side of an existing flood berm (road dike). The areas range in height or depth from a maximum of 10 feet high to 7 feet deep, and in areal extent from 2,500 square feet to 46,200 square feet. Only three areas extend laterally to within 10 feet of the creek bank (Area Nos. 9, 24 and 29). The remaining areas are located at distances ranging from 20 feet to 500 feet away from the adjacent creek bank. There was no evidence of slumping, erosion or other stability problems at any of the areas. The majority of the area slopes are flat as would be expected for filled-in, low-lying areas. The steepest slope measured was for Area No. 24 which exhibited an average slope of 3:1 (H:V). All of the areas have a well established vegetative cover (grass and weeds) with the exception of Area Nos. 7, 9 and 26. Area No. 7 is located in a washed-in area in a

flood prone section of the property and is covered with sand. Area No. 9 is covered with gravel and sand at the surface. This area is located immediately adjacent to the Creek and is susceptible to flooding during heavy precipitation events. Area No. 26 is located adjacent to an old borrow pit. Grass and weeds cover most of the area; however, vegetation is absent at the interface of the dredge spoil area and the pit.

4.0 RECOMMENDATIONS

Overbank flow velocities during a 10-year flood event along Snow and Choccolocco Creeks are approximately 1 foot per second based on models used by the Federal Emergency Management Agency (FEMA) for community flood insurance studies, and would not be expected to result in resuspension or erosion of the existing dredge spoil areas. These areas have stabilized since original placement, and no future dredging activities that would disturb these areas are currently planned based on discussions with City of Anniston and NRCS personnel. The areas are generally located on parcels of property that are undeveloped or not used and exhibit an established vegetative or natural cover. Based on these considerations, the studied dredge spoil areas are not believed to serve as a significant source of impact to either the water quality of Snow or Choccolocco Creeks or potential human or ecological receptors. Recommendations to minimize any future potential adverse impacts from these areas are provided in the sections that follow for Snow Creek and Choccolocco Creek, respectively. All recommended measures will be implemented in the Spring of 1999 following ADEM and NRCS approval and subject to receipt of required access agreements from property owners.

4.1 Snow Creek

Recommendations to enhance the stability of dredge spoil areas located along Snow Creek fall into one of five categories as follow:

- No further action
- Hydro-seeding
- Installation of turf reinforcement mats
- Installation of erosion control blankets
- Regrading

Dredge spoil Areas No. 1 and No. 2 are located greater than 25 feet away from the Creek bank, are protected by established cover material and have an average slope of 2:1 (H:V). Neither area exhibits any evidence of slumping, erosion or other slope stability problems. Area No. 2 has a well established vegetative cover, and no further action is recommended for this

area. Area No. 1 is covered with a non-woven geotextile material; however, weeds are growing through at the geotextile overlaps (Appendix A). For this area, it is recommended that the existing cover material be removed and replaced with vegetative cover. Preparation of this area will require the removal and disposal of the existing fabric material and subsequent mowing of weeds to ground level. The area would then be hydro-seeded to establish a good stand of grass.

Dredge spoil Area Nos. 3 through 6 extend to the Creek bank and exhibit average slopes of 1:1 (H:V). Vegetation is well established at each area; however, each area exhibits some evidence of minor slumping. In order to prevent further slumping of these areas, it is recommended that permanent turf reinforcement mats be installed and seeded. Preparation of these areas will require the removal of large rocks, soil clods and existing vegetation to ground level to ensure intimate contact between the mats and subgrade. A turf reinforcement mat would then be installed, and the areas would be hydro-seeded to establish a good stand of grass. The turf reinforcement mats will stimulate rapid vegetative growth and provide permanent resistance to elevated hydraulic forces. The mats will permanently anchor the vegetative cover to the soil surface and provide twice the erosion protection of unreinforced vegetation. Typical specifications for turf reinforcement mats are provided in Appendix B. The mats are composed of a dense, three-dimensional web of polypropylene fibers, placed between two high strength nets and stitched together. The mats are installed in overlapping rolls and secured with ground-anchoring devices.

Dredge spoil Areas No. 7 and 8 are the most laterally extensive areas along Snow Creek and extend to the Creek bank wall. Each area is 3 feet in height, predominantly flat (parallel to the Creek) and is heavily vegetated with trees, ivy, vines and weeds. The sole potential concern associated with these areas is possible future bank erosion at the Creek wall under high flow conditions. In order to address this potential concern, it is recommended that these areas be regraded to create a minimum 3:1 (H:V) slope at the edge of the creek bank. All disturbed sediments would subsequently be covered with a natural, excelsior erosion control blanket and revegetated to ensure proper cover. The excelsior blanket is a flexible, wood-machined

blanket of curled wood excelsior designed to adhere to the soil and expedite seed germination. Typical specifications for an excelsior blanket are provided in Appendix B. The blanket is installed in overlapping rolls and secured with staples. Once vegetation is established, the blankets will begin to decompose within four to six months.

4.2 Choccolocco Creek

Dredge spoils removed from Choccolocco Creek were beneficially reused by the NRCS (SCS) to fill in low-lying areas or side slopes. The areas are generally located tens of feet away from the creek bank and are flat to mildly sloped showing no signs of slumping, erosion or other slope stability problems. These confined disposal areas were constructed in accordance with NRCS (SCS) specifications and, with the exception of Area Nos. 7, 9 and 26, have a well established vegetative cover (grass and weeds). Area No. 7 is located in a washed-in area on a flood prone section of the property and is covered with sand. Area No. 9 is located immediately adjacent to the Creek, susceptible to flooding and covered with gravel and sand at the surface. Area No. 26 is located adjacent to an old borrow pit. Grass and weeds cover most of the area; however, vegetation is absent at the interface of the dredge spoil area and the pit. In these three areas it is recommended that an excelsior erosion control blanket be installed and hydro-seeded to establish an adequate vegetative cover. The excelsior blanket is a flexible, wood-machined blanket of curled wood excelsior designed to adhere to the soil and expedite seed germination. Typical specifications for an excelsior blanket are provided in Appendix B. The blanket is installed in overlapping rolls and secured with staples. Once vegetation is established, the blankets will begin to decompose within four to six months.

Respectfully Submitted,

ROUX ASSOCIATES, INC.

John R. Loper, P.E.

Vice President and Principal Engineer

Table 1. Dredge Spoil Area Location, Property Ownership, and Land Use Data

Dredge Spoil Area	Location Lat. (° N) / Long. (° W)	Property Owner	Land Use
Area 1 / Snow Creek	33° 39' 17.9800" / 85° 50' 13.1877"	Anniston Land Co. , Inc.	Open field / undeveloped
Area 2 / Snow Creek	33° 39' 18.0002" / 85° 50' 14.3286"	Anniston Land Co. , Inc.	Hillside slope / wooded
Area 3 / Snow Creek	33° 39' 14.1785" / 85° 50' 14.2223"	Myrice & Keith Phillips / portions in ALDOT right-of-way	Empty lot / undeveloped
Area 4 / Snow Creek	33° 39' 08.3975" / 85° 50' 13.6812"	Rev. Charles Creel	Empty lots / undeveloped
Area 5 / Snow Creek	33° 39' 08.2186" / 85° 50' 13.2113"	Rev. Charles Creel	Empty lots / undeveloped
Area 6 / Snow Creek	33° 39' 08.1003" / 85° 50' 12.8329"	Rev. Charles Creel	Empty lots / undeveloped
Area 7 / Snow Creek	33° 37' 24.7975" / 85° 49' 46.9691"	U.S. Castings/U.S. Pipe, Primax Properties, LLC., James Jennings, Donald O. & Zandra Sills, (Frank) Chien-Hwa Chen	Flood plain / undeveloped
Area 8 / Snow Creek	33° 37' 24.8565" / 85° 49' 46.3722"	(the above own Areas 7 & 8)	Flood plain / undeveloped
Area 1 / Choccolocco Creek	33° 34' 48.9501" / 85° 54' 49.7044"	Frances Louise Candler	Flood plain / agricultural
Area 4 / Choccolocco Creek	33° 34' 59.9733" / 85° 53' 59.5825"	Perry & Patricia Kerr	Pasture / agricultural
Area 5 / Choccolocco Creek	33° 34' 52.4686" / 85° 54' 03.9470"	Perry & Patricia Kerr	Pasture / agricultural
Area 7 / Choccolocco Creek	33° 34' 39.1138" / 85° 54' 07.6704"	Perry & Patricia Kerr	Pasture / agricultural
Area 9 / Choccolocco Creek	33° 34' 39.5886" / 85° 54' 07.1254"	Perry & Patricia Kerr	Flood plain / undeveloped
Area 10 / Choccolocco Creek	33° 34' 33.1961" / 85° 53' 43.2474"	Perry & Patricia Kerr	Flood plain / undeveloped
Area 12 / Choccolocco Creek	33° 34' 33.2024" / 85° 53' 22.0937"	Doris R. Burrows	Flood plain / undeveloped
Area 15 / Choccolocco Creek	33° 34' 34.0765" / 85° 53' 13.1504"	Calhoun County Economic Development Council	Undeveloped
Area 16 / Choccolocco Creek	33° 34' 30.8762" / 85° 53' 00.6391"	Calhoun County Economic Development Council	Undeveloped
Area 18 / Choccolocco Creek	33° 34' 38.1790" / 85° 52' 13.0771"	City of Anniston	Airport buffer zone
Area 19 / Choccolocco Creek	33° 34' 31.3623" / 85° 51' 58.8287"	Billy Ray and Tommie Jean Camp	Pasture
Area 23 / Choccolocco Creek	33° 35' 01.6099" / 85° 51' 09.9273"	Joe N. Bennett	Pasture / agricultural
Area 24 / Choccolocco Creek	33° 35' 02.0814" / 85° 50' 54.9943"	Joe N. Bennett	Pasture / agricultural
Area 25 / Choccolocco Creek	33° 35' 05.1703" / 85° 50' 45.5931"	Bruce W. Corbett, Werner C. and Ruth E. Vogt	Flood plain / undeveloped
Area 26 / Choccolocco Creek	33° 35' 11.6729" / 85° 50' 32.8112"	Phyllis S. Weaver	Pasture / agricultural
Area 28A / Choccolocco Creek	33° 35' 20.6653" / 85° 50' 05.1416"	Phyllis S. Weaver	Pasture / agricultural
Area 28B / Choccolocco Creek	33° 35' 26.1406" / 85° 49' 59.4665"	Phyllis S. Weaver	Pasture / agricultural
Area 29 / Choccolocco Creek	33° 35' 37.2064" / 85° 49' 48.6254"	Phyllis S. Weaver	Pasture / agricultural
Area 31 / Choccolocco Creek	33° 35' 52.9926" / 85° 49' 43.2965"	Edward C. Hopson	Pasture / agricultural

Table 2. Dredge Spoil Area Physical Data

Dredge Spoil Area	Distance From Bank (ft)	Height/Depth (H/D ft)	Area (length x width) (ft x ft)	Steepest Slope	Type of Fill-In Area (per NRCS)	Cover Type	Slope Stability
Snow Creek							
Area 1	26.6	H ~ 6	57 x 30	2:1	Open field / undeveloped	Non-woven geotextile, some weeds	No evidence of problems, however, although weeds are growing at geotextile overlaps.
Area 2	30	H = 3	50 x 27	2:1	Hillside slope / wooded	Thick woods, briers, weeds	No evidence of problems.
Area 3	0	H = 7	40 x 13	Portions near vertical	Empty lot / undeveloped	Thick woods, briers, kudzu	Some minor slumping.
Area 4	0	H = 5	34 x 15	Portions near vertical	Empty lots / undeveloped	Weeds, brush	Some minor slumping.
Area 5	0	H = 5	33 x 15	Portions near vertical	Empty lots / undeveloped	Weeds, brush	Some minor slumping.
Area 6	0	H = 5	15 x 15	Portions near vertical	Empty lots / undeveloped	Weeds, brush	Some minor slumping.
Area 7	0	H = 3	450 x 40	Portions near vertical at bank	Flood plain / undeveloped	Trees, ivy, vines, weeds	Bank erosion possible.
Area 8	0	H = 3	550 x 80	Portions near vertical at bank	Flood plain / undeveloped	Trees, ivy, vines, weeds	Bank erosion possible.
Choccolocco Creek							
Area 1	70	D = 4	130 x 100	Flat	Low area	Grass and tall weeds	No evidence of problems
Area 4	75	D = 3 to 5	100 x 85	Flat	Old gravel pit	Grass and tall weeds	No evidence of problems
Area 5	200	D = 3 to 5	100 x 120	Flat	Old gravel pit	Grass and tall weeds	No evidence of problems
Area 7	500	D = 4	160 x 20	Flat	Low area, used as road fill	Sand (washed-in area of flood prone section of property)	No evidence of problems, however, vegetative cover is not present.
Area 9	0	D = 0 to 7	100 x 75	5:1 near creek edge	Old slough	Gravel and sand at surface	No evidence of problems, however, vegetative cover is not present.

Table 2. Dredge Spoil Area Physical Data

Dredge Spoil Area	Distance From Bank (ft)	Height/Depth (H/D ft)	Area (length x width) (ft x ft)	Steepest Slope	Type of Fill-In Area (per NRCS)	Cover Type	Slope Stability
Choccolocco Creek	(continued)						
Area 10	200	H = 2 / D=3	250 x 110	4:1 at pile edges	Low area	Grass and weeds	No evidence of problems
Area 12	80	D = 4 to 5	100 x 90	3:1 slope at west and south edge	Old gravel pit	Grass and weeds	No evidence of problems
Area 15	150	D = 3 to 4	70 x 150	Flat	Low area, proposed site of wetlands mitigation	Grass and tall weeds	No evidence of problems
Area 16	100	H ~ 2 / D = 2 to 5	165 x 100	4:1	Fill along existing side slope	Grass and tall weeds	No evidence of problems
Area 18	500	H = 3 / D = 2	130 x 150	3:1 (at northern edge)	Old borrow pit	Grass and tall weeds	No evidence of problems
Area 19	250	D = 5 to 6	100 x 65	Flat	Old borrow pit	Grass and tall weeds	No evidence of problems
Area 23	20	D = 3	185 x 100	10:1	Low area	Grass, weeds, some trees planted at perimeter	No evidence of problems
Area 24	~5 (next to flood berm)	H ~10	280 x 165	3:1	Fill on back side of road dike	Grass	No evidence of problems
Area 25	70	D = 4 to 5	110 x 100	Flat	Low area	Grass, weeds, small oak trees planted at perimeter	No evidence of problems
Area 26	~ 40	D = 5 to 6	140 x 60	3:1 where fill transitions into old borrow pit	Extended dam	Grass and weeds cover most of area, however at the edge of fill/borrow pit interface, no cover.	No evidence of problems, however, some soil is exposed at the edge of fill/borrow pit interface.
Area 28A	80	D = 5 to 6	240 x 70	Flat	Low area	Grass and weeds	No evidence of problems
Area 28B	80	D = 6 to 7	155 x 45	Flat	Low area	Grass and weeds	No evidence of problems
Area 29	10	D = 4 to 5	215 x 55	Flat	Old scour area	Grass and weeds	No evidence of problems
Area 31	300	H = 2 / D = 2	135 x 230	5:1 at south and east edges	Filled-in edge adjacent to low area	Grass	No evidence of problems

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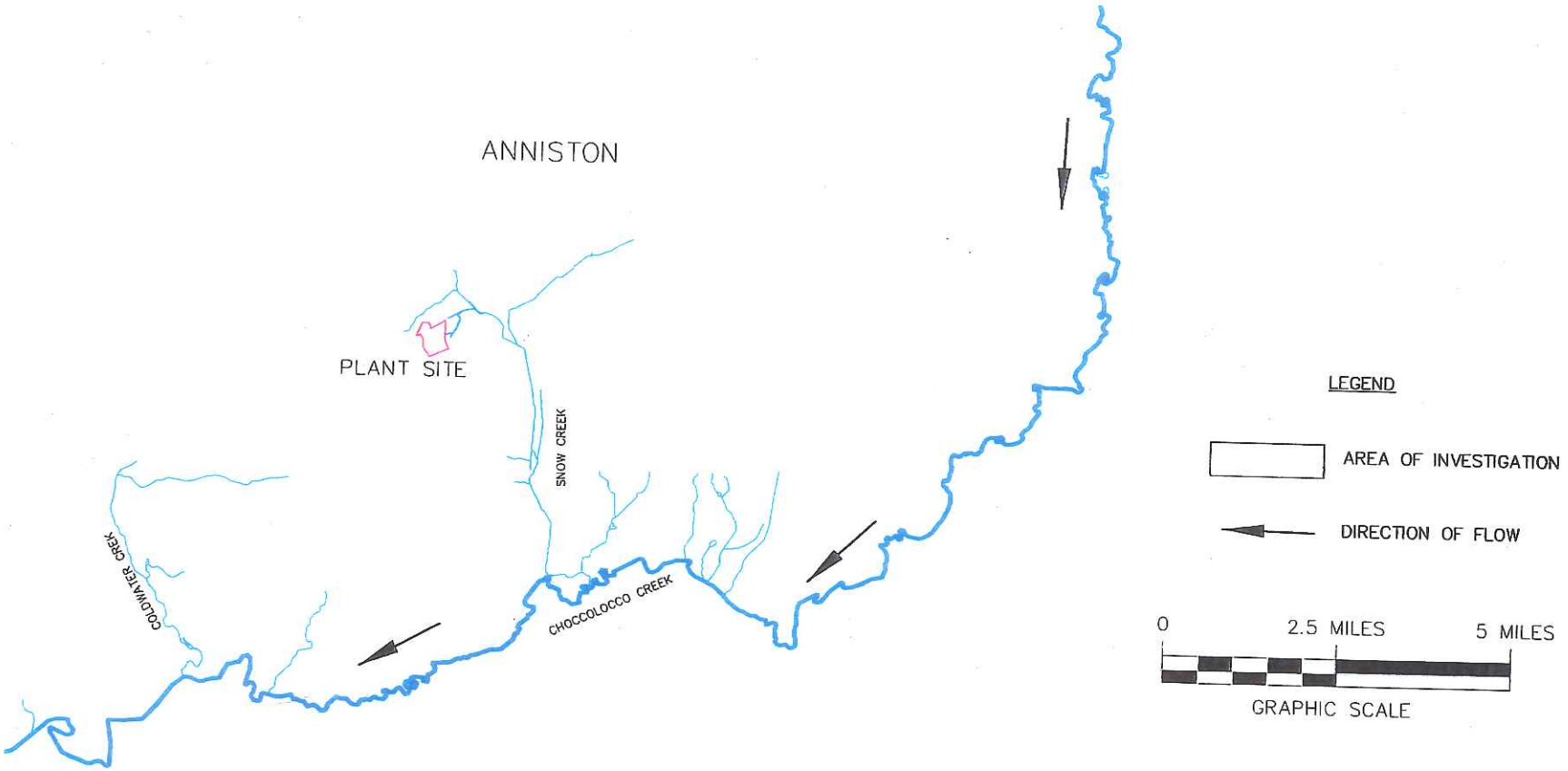
Figure 1 - Area of Dredge Spoil Pile Evaluation



NOTE

MAPPING DERIVED FROM DATA PROVIDED BY O'BRIEN & GERE, INC., BASED ON USGS 1/100,000 D.G. DATA AND U.S. CENSUS BUREAU 1990 TIGER DATA. PORTIONS REVISED BASED ON USGS 7.5 MINUTE QUADRANGLES

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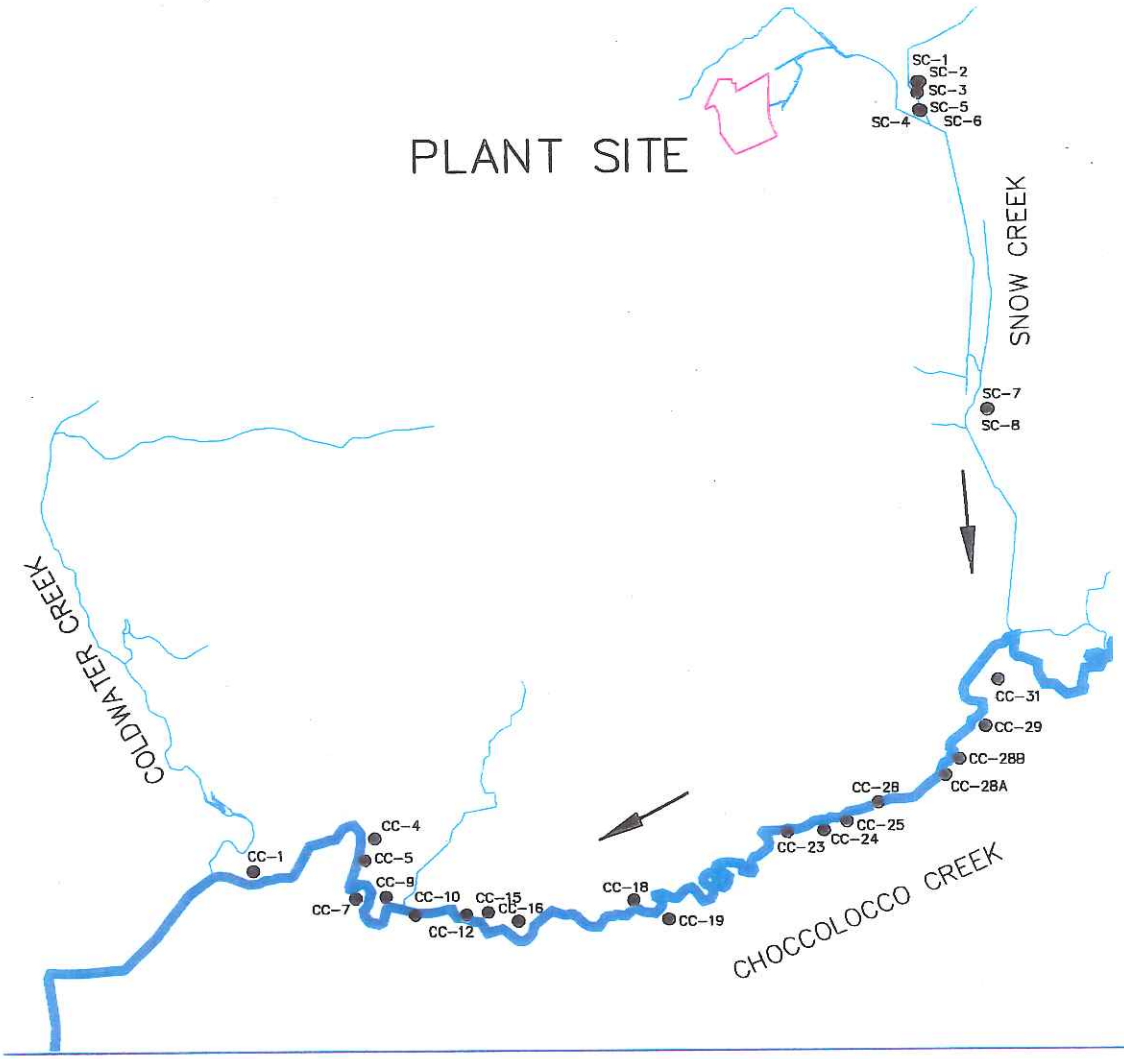
Figure 2 - Locations of Dredge Spoil Areas



LEGEND

SC–1	SNOW CREEK DREDGE SPOIL PILE
CC–1	CHOCCOLOCCO CREEK DREDGE SPOIL PILE
←	DIRECTION OF FLOW

0 2 MILES 4 MILES

GRAPHIC SCALE

NOTES:

1. MAPPING DERIVED FROM DATA PROVIDED BY O'BRIEN & GERE, INC. BASED ON USGS 1/100,000 DLG DATA AND U.S. CENSUS BUREAU 1990 TIGER DATA. PORTIONS REVISED BASED ON USGS 7.5 MINUTE QUADRANGLES.
2. DREDGE SOIL AREAS BASED ON GPS SURVEY CONDUCTED BY GOLDER ASSOCIATES, INC.

10209003/10209SMF.DWG 9/24/98 SYR-54-RLP AK ycc P: FRY70DAL L: ON=*, OFF=*REF

APPENDIX A

DREDGE SPOIL AREA DATA FORMS

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 1 / Snow Creek

DATE OF INSPECTION : 09/08/98

INSPECTED BY : Golder Associates Inc.

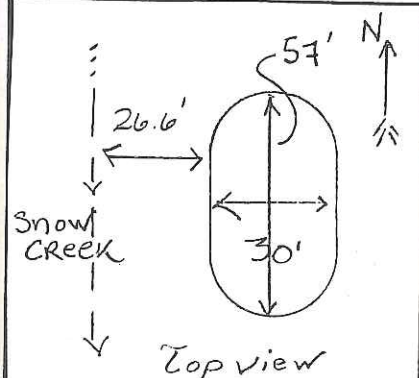
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance (ft) Downstream from 11th St. Ditch Confluence (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1147760.0242	655051.9125					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 39' 17.9800" N	85° 50' 13.1877" W	Left (L)	2,950	686	26.6	0 (at top of bank level)

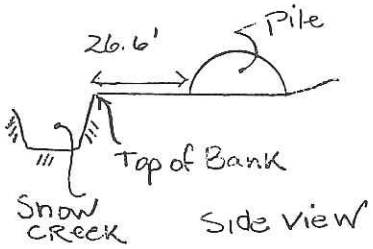
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	11-21-03-07-1-02-038 Calhoun Co.	Anniston Land Co., Inc. P.O. Box 850 / 16 W. 11th St. Anniston, Alabama 36201	Open field / undeveloped

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	57	30	6 approx.	Sand Silt Gravel	Non-woven geotextile; some weeds	N/A; geotextile cover

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	2 : 1	12	2 : 1	12	2 : 1	No, although weeds are growing at geotextile over-laps.

SKETCH OF AREA





AREA PHOTOGRAPH

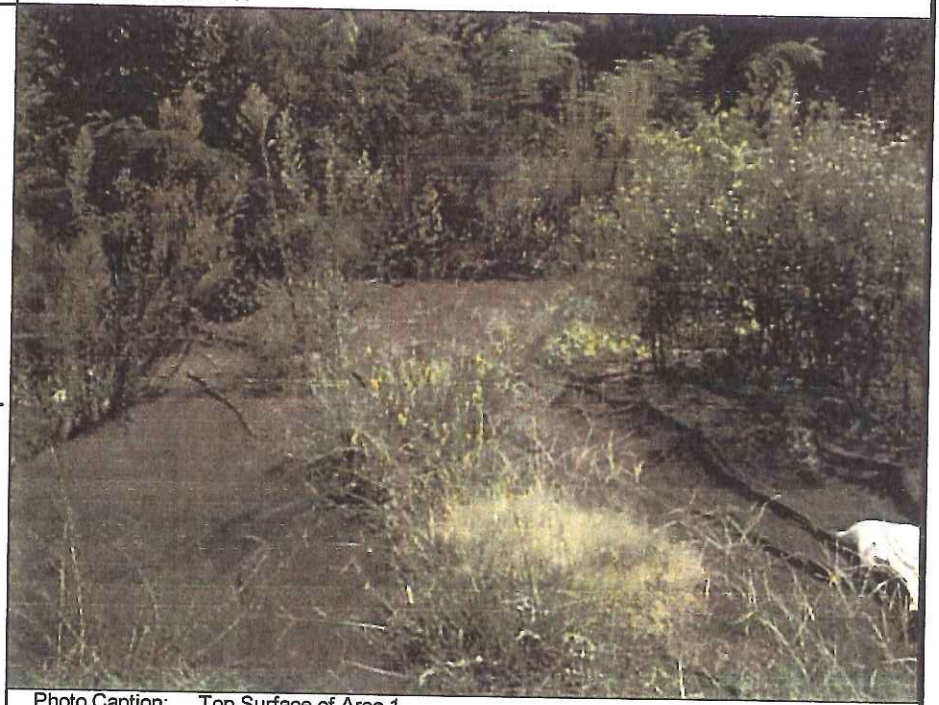


Photo Caption: Top Surface of Area 1.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 2 / Snow Creek

DATE OF INSPECTION : 09/08/98 | INSPECTED BY : Golder Associates Inc.

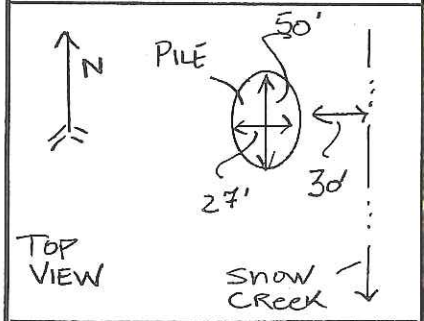
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance (ft) Downstream from 11th St. Ditch Confluence (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1147762.0654	654955.4760					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 39' 18.0002" N	85° 50' 14.3286" W	Right (R)	2,950	690	30	15 (above bank level)

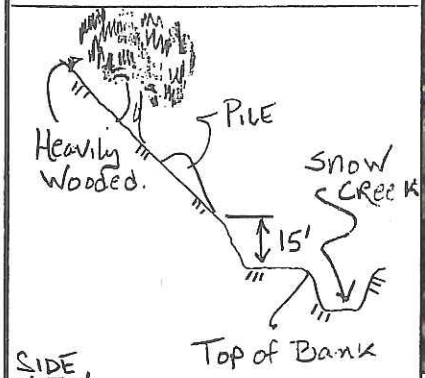
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	11-21-03-07-1-02-037 Calhoun Co.	Anniston Land Co., Inc. P.O. Box 850 / 16 W. 11th St. Anniston, Alabama 36201	Hillside slope / wooded

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	50	27	3	Sand Silt Gravel	Thick woods, briers, weeds	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	2 : 1	4	2 : 1	4	2 : 1	No

SKETCH OF AREA





AREA PHOTOGRAPH

Photo Caption: Area 2, view to the east.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 3 / Snow Creek

DATE OF INSPECTION : 09/08/98

INSPECTED BY : Golder Associates Inc.

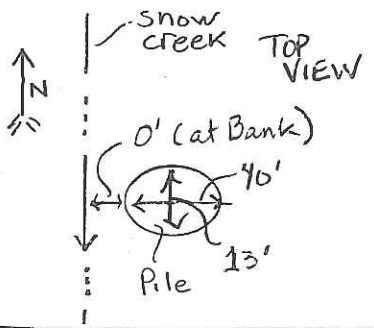
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance (ft) Downstream from 11th St. Ditch Confluence (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1147375.7722	654964.4496					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 39' 14.1785" N	85° 50' 14.2223" W	Left (L)	3,350	684	0	0 (at top of bank level)

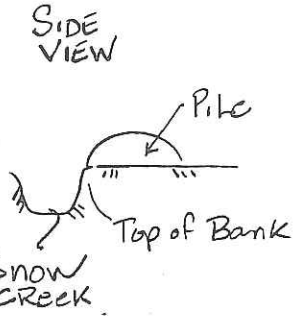
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	11-21-03-07-1-02-041 Calhoun Co.	Myrtice (& Keith) Phillips P.O. Box 4132 Blue Mountain, Alabama 32604 * Note : portions of pile are in ALDOT right - of - way.	Empty lot / undeveloped

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	40	13	7	Sand Silt Gravel	Thick weeds, briers, kudzu	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	1 : 1	7	1 : 1	7	Portions near vertical	Some minor slumping

SKETCH OF AREA





AREA PHOTOGRAPH

Photo Caption: Side view of Area 3, view to the west.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 4 / Snow Creek

DATE OF INSPECTION : 09/08/98

INSPECTED BY : Golder Associates Inc.

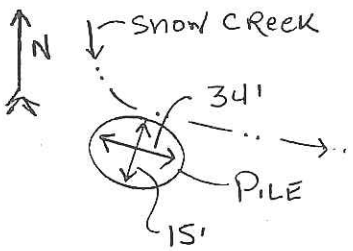
	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
LOCATION (w/r to Centroid)	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank ? (looking downstm)	Distance (ft) Downstream from 11th St. Ditch Confluence (from map measurement	Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (# 8) (approx.) (ft)
	1146791.4399	655010.1633					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 39' 08.3975" N	85° 50' 13.6812" W	Right (R)	4,050	678	0	0 (at top of bank level)

	(#10)	(#11)	(#12)
LAND OWNERSHIP INFORMATION	Parcel No.	Owner Name/Address	Land Use
	11-21-03-07-1-02-046 & -048 Calhoun Co.	Rev. Charles Creel 609 Mulberry Ave. Anniston, Alabama 36201	Empty lots / undeveloped

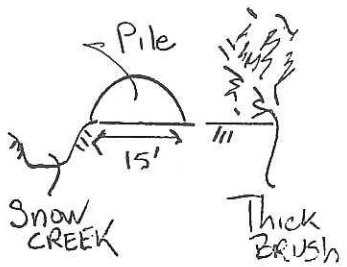
	(#13)	(#14)	(#15)	(#16)	(#17)	(#18)
PHYSICAL DESCRIPTION	Length (ft)	Width (ft)	Height (ft)	Soil Type in Area	Cover Type and Description	Is Vegetation Well Estab. ?
	34	15	5	Sand Silt Gravel	Weeds, brush	Yes

	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)
AREA SLOPE DATA	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
	uneven, 1 : 1	4	uneven, 1 : 1	4	Portions near vertical	Some minor slumping

SKETCH OF AREA



Top View



Side View

AREA PHOTOGRAPH

Photo Caption: Top surface of Area 4.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 5 / Snow Creek

DATE OF INSPECTION : 09/08/98

INSPECTED BY : Golder Associates Inc.

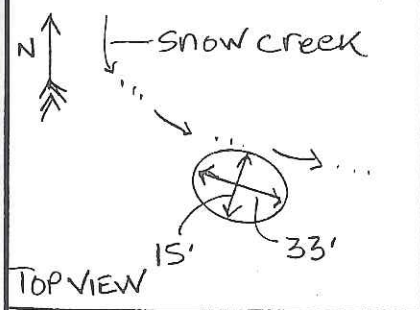
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance (ft) Downstream from 11th St. Ditch Confluence (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1146773.3550	655049.8813					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 39' 08.2186" N	85° 50' 13.2113" W	Right (R)	4,150	678	0	0 (at top of bank level)

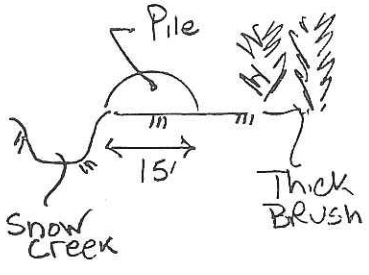
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	11-21-03-07-1-02-046 & -048 Calhoun Co.	Rev. Charles Creel 609 Mulberry Ave. Anniston, Alabama 36201	Empty lots / undeveloped

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	33	15	5	Sand Silt Gravel	Weeds, brush	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	uneven, 1 : 1	4	uneven, 1 : 1	4	Portions near vertical	Some minor slumping

SKETCH OF AREA





AREA PHOTOGRAPH

Photo Caption: Area 5, view to the east.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 6 / Snow Creek

DATE OF INSPECTION : 09/08/98

INSPECTED BY : Golder Associates Inc.

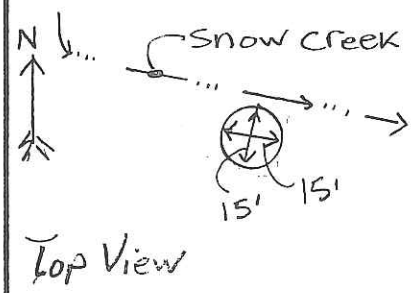
	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
LOCATION (w/r to Centroid)	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank ? (looking downstm)	Distance (ft) Downstream from 11th St. Ditch Confluence (from map measurement)	Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (# 8) (approx.) (ft)
	1146761.3945	655081.8720					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 39' 08.1003" N	85° 50' 12.8329" W	Right (R)	4,200	678	0	0 (at top of bank level)

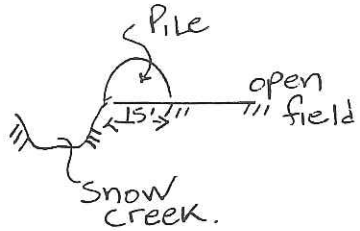
	(#10)	(#11)	(#12)
LAND OWNERSHIP INFORMATION	Parcel No.	Owner Name/Address	Land Use
	11-21-03-07-1-02-046 & -048 Calhoun Co.	Rev. Charles Creel 609 Mulberry Ave. Anniston, Alabama 36201	Empty lots / undeveloped

	(#13)	(#14)	(#15)	(#16)	(#17)	(#18)
PHYSICAL DESCRIPTION	Length (ft)	Width (ft)	Height (ft)	Soil Type in Area	Cover Type and Description	Is Vegetation Well Estab. ?
	15	15	5	Sand Silt Gravel	Weeds, brush	Yes

	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)
AREA SLOPE DATA	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
	uneven, 1 : 1	4	uneven, 1 : 1	4	Portions near vertical	Some minor slumping

SKETCH OF AREA





AREA PHOTOGRAPH

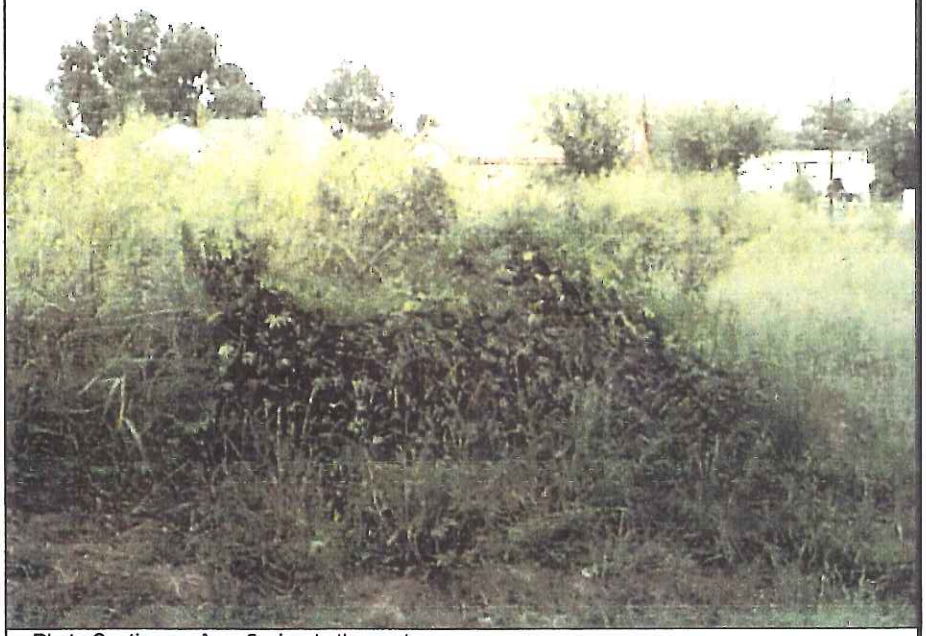


Photo Caption: Area 6, view to the east.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 7 / Snow Creek

DATE OF INSPECTION : 09/08/98

INSPECTED BY : Golder Associates Inc.

LOCATION (w/r to Centroid)

(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance (ft) Downstream from 11th St. Ditch Confluence (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
1136319.7268	657268.5650					
(#3) Latitude (via GPS)	**(#4) Longitude (via GPS)**					
33° 37' 24.7975" N	85° 49' 46.9691" W	Right (R)	15,500	650	0	0 (at top of Bank Level)

LAND OWNERSHIP INFORMATION

(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
* Multiple, see attached list	* See attached list	Flood plain / undeveloped

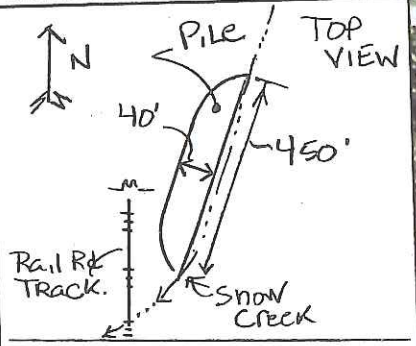
PHYSICAL DESCRIPTION

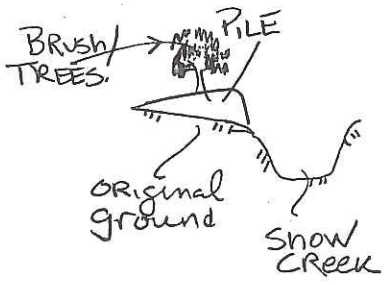
(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
450	40	3	Sand Silt Gravel	Trees, ivy, vines, weeds	Yes

AREA SLOPE DATA

(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
Primarily flat parallel to creek	-NA-	Near vert. at creek bank	-NA-	Portions near vertical at bank	Bank erosion possible

SKETCH OF AREA





SIDE VIEW

AREA PHOTOGRAPH

Photo Caption: Area 7, view to the north (upstream).

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 8 / Snow Creek

DATE OF INSPECTION : 09/08/98

INSPECTED BY : Golder Associates Inc.

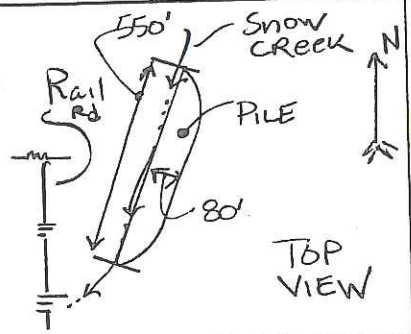
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance (ft) Downstream from 11th St. Ditch Confluence (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1136325.6870	657319.0367					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 37' 24.8565" N	85° 49' 46.3722" W	Right (R)	15,500	646	0	0 (at top of bank level)

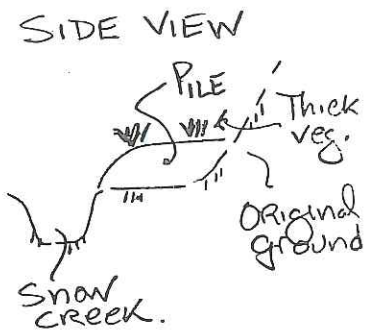
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	* Multiple, see attached list	* See attached list	Flood plain / undeveloped

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	550	80	3	Sand Silt Gravel	Trees, ivy, vines, weeds	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Primarily flat parallel to creek	-NA-	Near vert. at creek bank	-NA-	Portions near vertical at bank	Bank erosion possible.

SKETCH OF AREA





AREA PHOTOGRAPH

Photo Caption: Area 8, view to the north (upstream).

SNOW CREEK DREDGE SPOIL AREAS

PROPERTY OWNERSHIP INFORMATION FOR AREAS 7 AND 8

Dredge Area #	Parcel No. (Calhoun Co.)	Owner Name / Address
7 & 8	11-21-04-20-2-01-33.06	U.S. Castings/U.S. Pipe 1831 Front Street Anniston, Al 36201
	11-21-04-2-01-27.01 & 11-21-04-20-2-01-33	PRIMAX Properties, LLC. (c/o William G. Seymour) 1115 East Morehead St. Charlotte, NC 28204
	11-21-04-20-2-01-33.02	James Jennings c/o Omega Homes, Inc. 1720 S. Quintard Ave. Anniston, Alabama 36201
	11-21-04-20-2-01-33.08 & 11-21-04-20-2-01-33.07 & 11-21-04-20-2-01-33.05	Donald O. (& Zandra) Sills P.O. Box 3342 Oxford, Alabama 36203
	11-21-04-20-2-01-33.01	(Frank) Chien-Hwa Chen 322 Mar-Sha Drive Anniston, Alabama 36206

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 1 / Choccolocco Creek

DATE OF INSPECTION : 09/02/98

INSPECTED BY : Genesis Project / Roux Associates

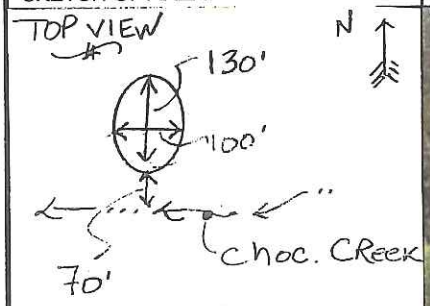
	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
LOCATION (w/r to Centroid)	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank ? (looking downstm)	Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (# 8) (approx.) (ft)
	1120576.5283	631656.9024					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 34' 48.9501" N	85° 54' 49.7044" W	Right (R)	45,500	589.4	70	0 (at top of bank level)

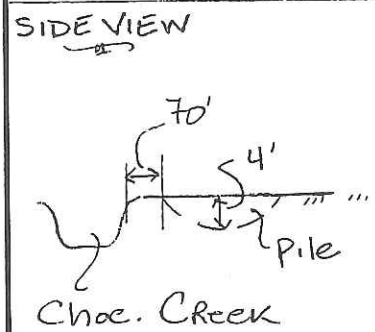
	(#10)	(#11)	(#12)
LAND OWNERSHIP INFORMATION	Parcel No.	Owner Name/Address	Land Use
	61-06-02-04-0-000-006-000 Talladega Co.	Frances Louise Candler P.O. Box 213 Ohatchee, Alabama 36271	Flood plain / agricultural

	(#13)	(#14)	(#15)	(#16)	(#17)	(#18)
PHYSICAL DESCRIPTION	Length (ft)	Width (ft)	Height (ft)	Soil Type in Area	Cover Type and Description	Is Vegetation Well Estab. ?
	130	100	-NA- Depth = 4 per NRCS	Sand Silt	Grass and tall weeds	Yes

	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)
AREA SLOPE DATA	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
	Flat	-NA-	Flat	-NA-	Flat	No

SKETCH OF AREA





AREA PHOTOGRAPH

Photo Caption: Area 1, view to the west.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 4 / Choccolocco Creek

DATE OF INSPECTION : 09/03/98

INSPECTED BY : Golder Associates / Roux Assoc.

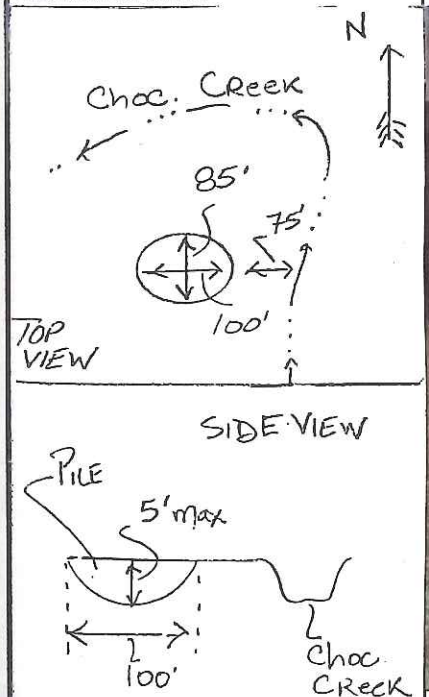
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1121685.7154	635898.0630					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 59.9733" N	85° 53' 59.5825" W	Left (L)	39,500	575.2	75	0 (at top of bank level)

	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	61-02-04-0-000-013-000 Talladega Co.	Perry & Patricia Kerr 2310 Silver Run Rd. Munford, Alabama 36268	Pasture / agricultural

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	100	85	-NA- Depth = 3 to 5 per NRCS	Sand Silt Gravel	Grass and tall weeds	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Flat	-NA-	Flat	-NA-	Flat	No

SKETCH OF AREA



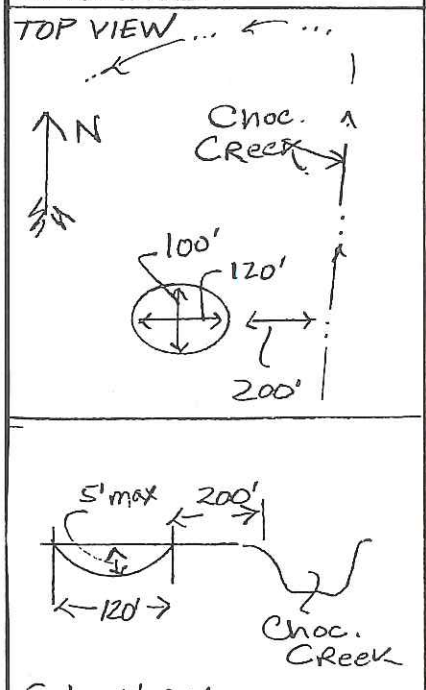
AREA PHOTOGRAPH

Photo Caption: Area 4, view to the north.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER :	AREA 5 / Choccolocco Creek						
DATE OF INSPECTION : 09/03/98			INSPECTED BY : Golder Associates / Roux Assoc.				
LOCATION (w/r to Centroid)	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
	1120929.3942	635528.3350					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 52.4686" N	85° 54' 03.9470" W	Left (L)	38,500	575.6	200	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10) Parcel No.	(#11) Owner Name/Address				(#12) Land Use	
	61-06-02-04-0-000-013-000 Talladega Co.	Perry & Patricia Kerr 2310 Silver Run Rd. Munford, Alabama 36268				Pasture / agricultural	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Estab. ?
	100'	120'	-NA- Depth = 3 to 5 per NRCS	Sand Silt Gravel	Grass and tall weeds		Yes
AREA SLOPE DATA	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?	
	Flat	-NA-	Flat	-NA-	Flat	No	

SKETCH OF AREA



AREA PHOTOGRAPH

Photo Caption: Area 5, view to the east.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 7 / Choccolocco Creek

DATE OF INSPECTION : 09/02/98

INSPECTED BY : Genesis Project / Roux Assoc.

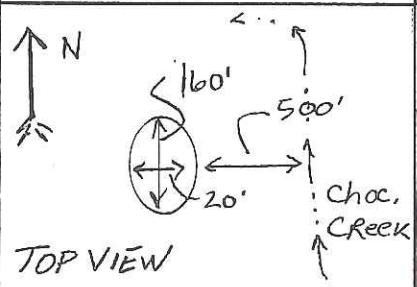
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1119579.7367	635212.4332					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 39.1138" N	85° 54' 07.6704" W	Left (L)	36,500	574.8	500	0 (at top of bank level)

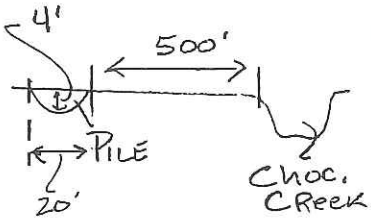
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	61-06-02-04-0-000-013-000 Talladega Co.	Perry & Patricia Kerr 2310 Silver Run Rd. Munford, Alabama 36268	Pasture / agricultural

	(#13) Length (Ft)	(#14) Width (Ft)	(#15) Height (Ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	160	20	-NA- Depth = 4 per NRCS	Sand Silt Gravel	Sand (washed-in area in flood prone section of property)	No

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Flat	-NA-	Flat	-NA-	Flat	No, however, vegetative cover is not present.

SKETCH OF AREA





AREA PHOTOGRAPH

Photo Caption: Area 7, view to the northeast.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 9 / Choccolocco Creek

DATE OF INSPECTION : 09/02/98

INSPECTED BY : Genesis Project / Roux Assoc.

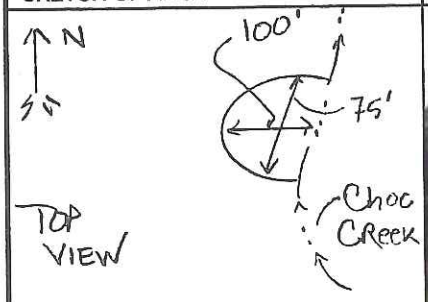
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. (ft) (stream mile) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1119627.0408	636273.8370					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 39.5886" N	85° 53' 55.1254" W	Left (L)	36,500	574.8	0	3 to top of bank level)

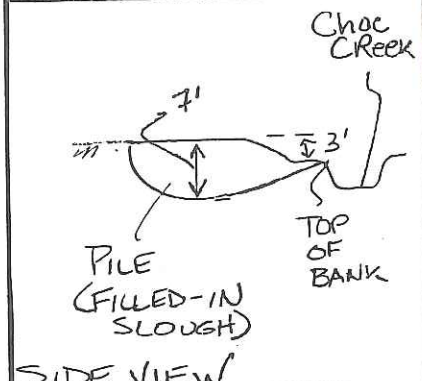
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	61-06-02-03-0-000-031-000 Talladega Co.	Perry & Patricia Kerr 2310 Silver Run Rd. Munford, Alabama 36268	Flood plain / undeveloped

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	100	75	-NA- Depth = 0 to 7 per NRCS	Sand Silt Gravel	Gravel and sand at surface	No

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Flat	-NA-	Flat	-NA-	5:1 near creek edge	No, however vegetative cover is not present.

SKETCH OF AREA





AREA PHOTOGRAPH

Photo Caption: Area 9, view to the west.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 10 / Choccolocco Creek

DATE OF INSPECTION : 09/02/98 | INSPECTED BY : Genesis Project / Roux Assoc.

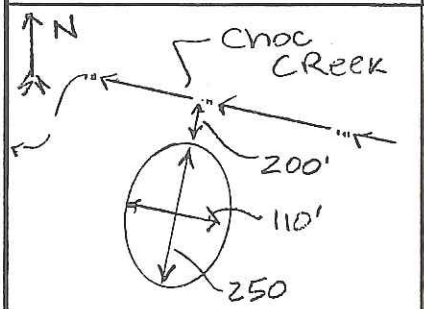
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1118980.2828	637278.3930					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 33.1961" N	85° 53' 43.2474" W	Left (L)	34,000	577.8	200	0 (at top of Bank Level)

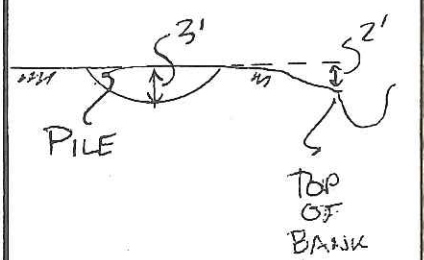
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	61-06-02-03-0-000-033-000 Talladega Co.	Perry & Patricia Kerr 2310 Silver Run Rd. Munford, Alabama 36268	Flood plain / undeveloped

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	250	110	2 above top of bank; Depth = 3 per NRCS	Sand Silt Gravel	Grass and weeds	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Flat at top	apprx. 8 at edges where 4:1 slope	Flat at top	apprx. 8 at edges where 4:1 slope	4:1 at pile edges	No

SKETCH OF AREA





SIDE VIEW

AREA PHOTOGRAPH

Photo Caption: Area 10, view to the south.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 12 / Choccolocco Creek

DATE OF INSPECTION : 09/02/98

INSPECTED BY : Genesis Project / Roux Assoc.

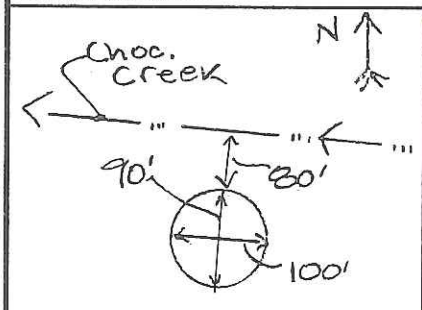
	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
LOCATION (w/r to Centroid)	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank ? (looking downstm)	Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (# 8) (approx.) (ft)
	1118979.9074	639068.1385					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 34' 33.2024" N	85° 53' 22.0937" W	Left (L)	32,000.00	580.1	80	0 (at top of bank level)

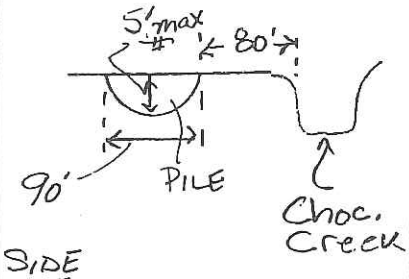
	(#10)	(#11)	(#12)
LAND OWNERSHIP INFORMATION	Parcel No.	Owner Name/Address	Land Use
	61-06-02-03-0-000-034-000 Talladega Co.	Doris R. Burrows P.O. Box 3118 Oxford, Alabama 36203	Flood plain / undeveloped

	(#13)	(#14)	(#15)	(#16)	(#17)	(#18)
PHYSICAL DESCRIPTION	Length (ft)	Width (ft)	Height (ft)	Soil Type in Area	Cover Type and Description	Is Vegetation Well Estab. ?
	100	90	-NA- Depth = 4 to 5 per NRCS	Sand Silt Gravel	Grass and weeds	Yes

	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)
AREA SLOPE DATA	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
	Mostly flat	-NA-	Mostly flat	-NA-	3:1 slope at west and south edge	No

SKETCH OF AREA





SIDE VIEW

AREA PHOTOGRAPH

Photo Caption: Area 12, view to the south.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 15 / Choccolocco Creek

DATE OF INSPECTION : 09/02/98

INSPECTED BY : Genesis Project / Roux Assoc.

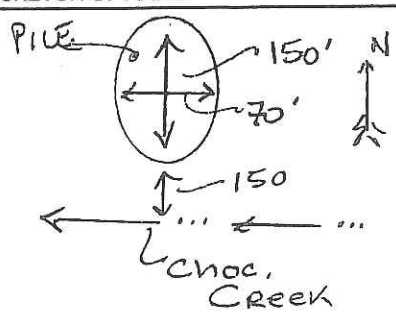
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1119067.8536	639824.8552					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 34.0765" N	85° 53' 13.1504" W	Right (R)	31,000	578.6	150	0 (at top of bank level)

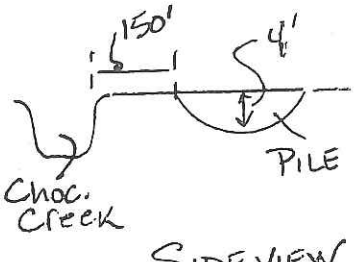
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	61-06-02-03-0-000-029-000 Talladega Co.	Calhoun County Economic Development Council P.O. Box 2283 Anniston, Alabama 36202	Undeveloped

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	70	150	-NA- Depth = 3 to 4 per NRCS	Sand Silt Gravel	Grass and tall weeds	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Flat	-NA-	Flat	-NA-	Flat	No

SKETCH OF AREA





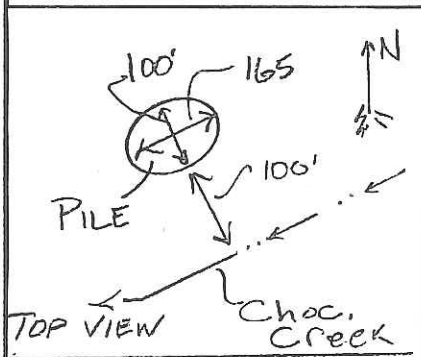
AREA PHOTOGRAPH

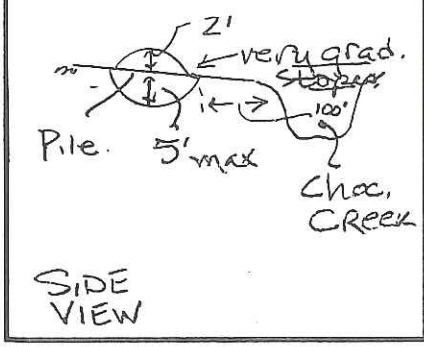
Photo Caption: Area 15, view to the west.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 16 / Choccolocco Creek							
DATE OF INSPECTION : 09/02/98			INSPECTED BY : Genesis Project / Roux Assoc.				
LOCATION (w/r to Centroid)	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
	1118743.8480	640883.2374					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 30.8762" N	85° 53' 00.6391" W	Right (R)	30,000	581.8	100	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10) Parcel No.	(#11) Owner Name/Address				(#12) Land Use	
	61-06-02-03-0-000-029-000 Talladega Co.	Calhoun County Economic Development Council P.O. Box 2283 Anniston, Alabama 36202				Undeveloped	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Estab. ?
	165	100	aprx. 2' tall; Depth = 2 to 5 per NRCS	Sand Silt Gravel	Grass and tall weeds		Yes
AREA SLOPE DATA	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?	
	Flat	-NA-	4 : 1	8 approx.	4 : 1	No	

SKETCH OF AREA





AREA PHOTOGRAPH

Photo Caption: Area 16, view to the east.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 18 / Choccolocco Creek

DATE OF INSPECTION : 09/02/98 | INSPECTED BY : Genesis Project / Roux Assoc.

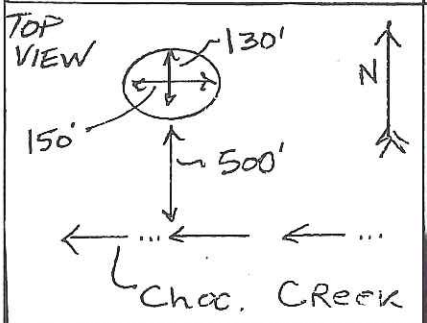
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (Ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1119480.2995	644907.6022					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 38.1790" N	85° 52' 13.0771" W	Right (R)	24,000	588	500	0 (at top of bank level)

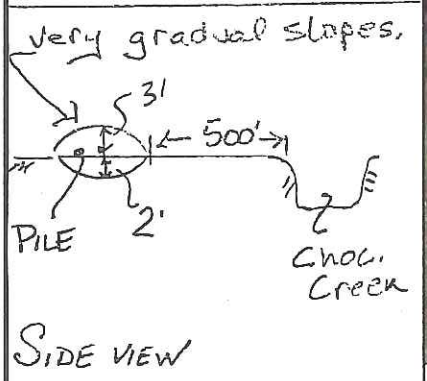
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	61-06-01-02-0-000-009-000 Talladega Co.	City of Anniston 1128 Gurnee Ave. Anniston, Alabama 36201	Airport buffer zone

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	130	150	3 Depth = 2 per NRCS	Sand Silt Gravel	Grass and tall weeds	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Mostly flat	-NA-	Mostly flat	-NA-	3:1 (at Northern edge)	No

SKETCH OF AREA





AREA PHOTOGRAPH

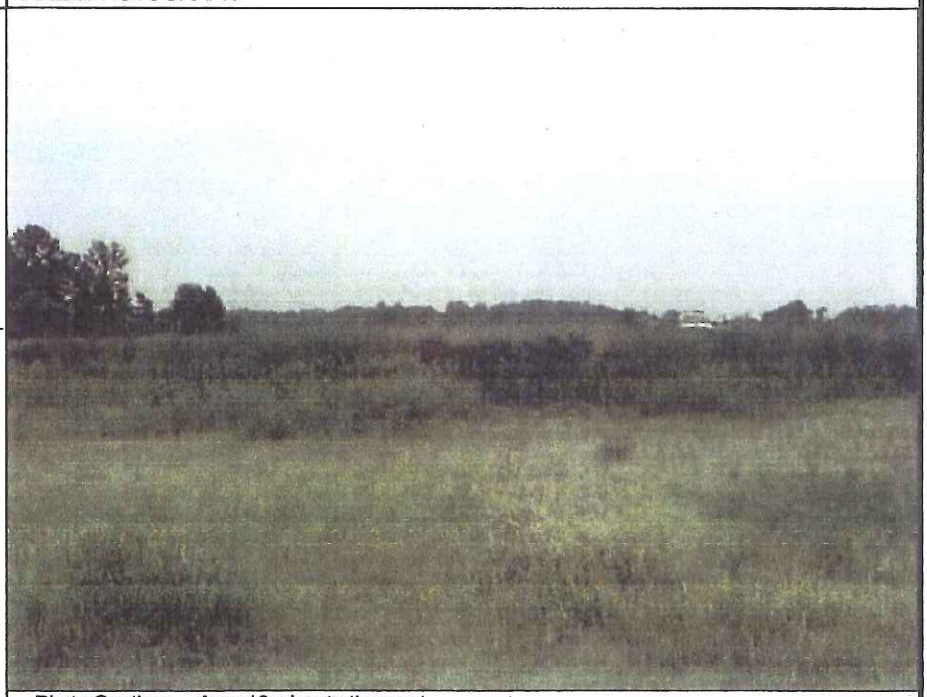


Photo Caption: Area 18, view to the west.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 19 / Choccolocco Creek

DATE OF INSPECTION : 09/02/98 | INSPECTED BY : Genesis Project / Roux Assoc.

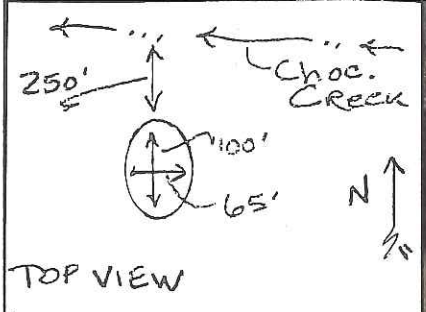
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx) (ft)
LOCATION (w/r to Centroid)	1118790.8812	646112.8811					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 31.3623" N	85° 51' 58.8287" W	Left (L)	23,000	588	250	0 (at top of bank level)

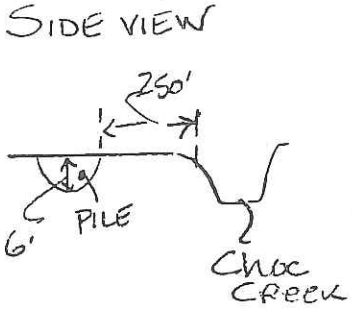
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	61-06-01-02-0-000-010-000 Talladega Co.	Billy Ray and Tommie Jean Camp 480 Kirby Road Oxford, Alabama 36203	Pasture

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	100	65	-NA- Depth = 5 to 6 per NRCS	Sand Silt Gravel	Grass and tall weeds	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Flat	-NA-	Flat	-NA-	Flat	No

SKETCH OF AREA





AREA PHOTOGRAPH

Photo Caption: Area 19, view to the north.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 23 / Choccolocco Creek

DATE OF INSPECTION : 09/01/98

INSPECTED BY : Golder Associates / Roux Assoc.

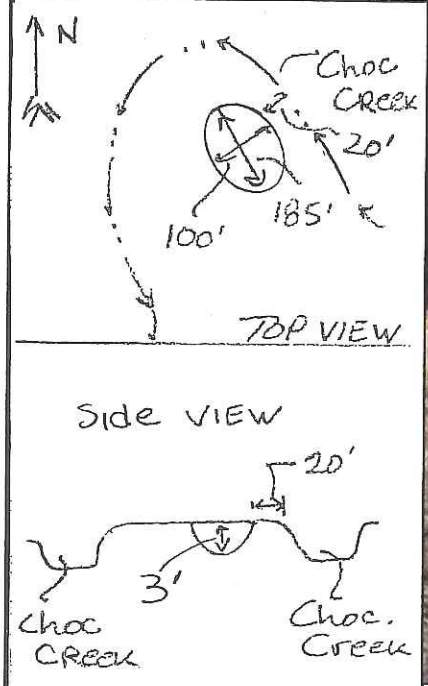
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1121847.1841	650250.8679					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 35' 01.6099" N	85° 51' 09.9273" W	Left (L)	16,000	593.2	20	2 above bank level)

	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	61-06-01-01-0-000-003-000 Talladega Co.	Joe N. Bennett 1608 Joe St. Oxford, Alabama 36203	Pasture / agricultural

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	185	100	-NA- Depth = 3 per NRCS	Sand & Silt	Grass, weeds, some trees planted at perimeter	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	10 : 1	40 approx.	10 : 1	40 approx.	10 : 1	No

SKETCH OF AREA



AREA PHOTOGRAPH

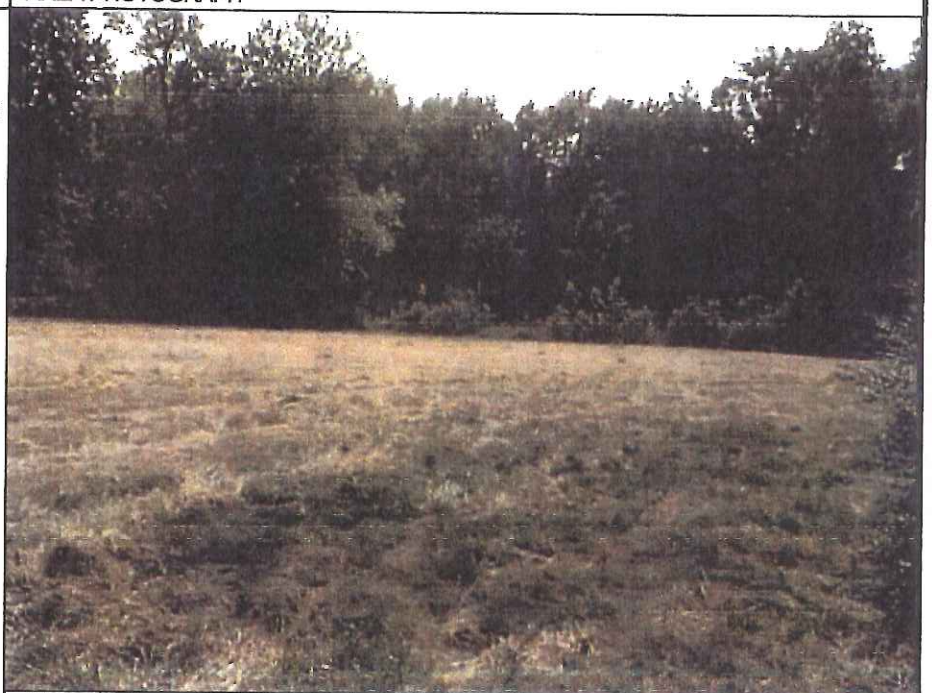


Photo Caption: Area 23, view to the northwest.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 24 / Choccolocco Creek

DATE OF INSPECTION : 09/01/98

INSPECTED BY : Golder Associates / Roux Assoc.

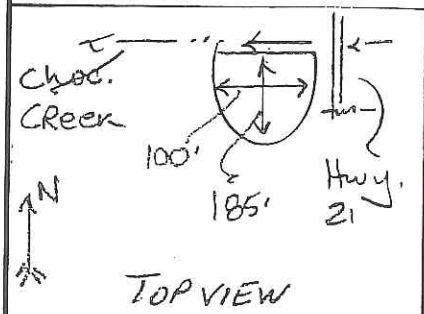
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1121894.6292	651514.1979					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 35' 02.0814" N	85° 50' 54.9943" W	Left (L)	14,500	594.2	~ 5 (next to flood berm)	2 above bank level)

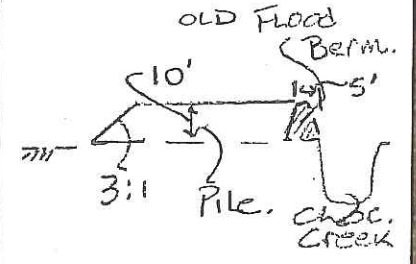
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	61-06-01-01-0-000-003-000 Talladega Co.	Joe N. Bennett 1608 Joe St. Oxford, Alabama 36203	Pasture / agricultural

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	280	165	~10	Sand Silt Gravel	Grass	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	3 : 1 w/ Flat top	50 approx.	3 : 1	50 approx.	3 : 1	No

SKETCH OF AREA





SIDE VIEW

AREA PHOTOGRAPH

Photo Caption: Area 24, view to the east toward Highway 21 bridge.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 25 / Choccolocco Creek

DATE OF INSPECTION : 09/01/98

INSPECTED BY : Golder Associates / Roux Assoc.

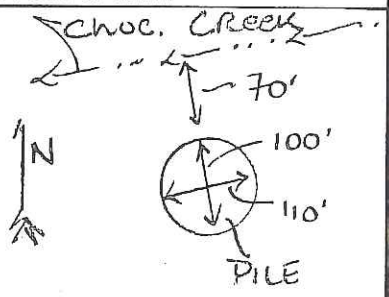
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (From Map Measmt.)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1122206.7393	652309.5733					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 35' 05.1703" N	85° 50' 45.5931" W	Left (L)	13,500	595.5	70	0 (at top of bank level)

	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	E 1/2 = 61-05-03-06-0-000-004-001	E 1/2 = Bruce W. Corbett 932 Allred Dr. Oxford, Alabama 36203	Flood plain / undeveloped
	W 1/2 = 61-05-03-06-0-000-004-008 Talladega Co.	W 1/2 = Werner C. & Ruth E. Vogt 7791 31st Ave. N St. Petersburg, Fl 33710	

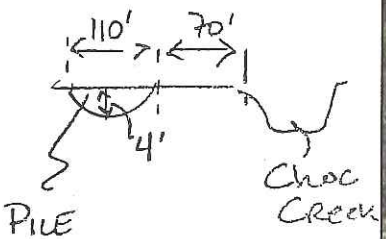
	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	110	100	-NA- Depth = 4 to 5 per NRCS	Sandy loam	Grass, weeds, small oak trees planted along perimeter	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Flat	-NA-	Flat	-NA-	Flat	No

SKETCH OF AREA



TOP VIEW



SIDE VIEW

AREA PHOTOGRAPH

Photo Caption: Area 25, view to the north.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 26 / Choccolocco Creek

DATE OF INSPECTION : 09/01/98

INSPECTED BY : Golder Associates / Roux Assoc.

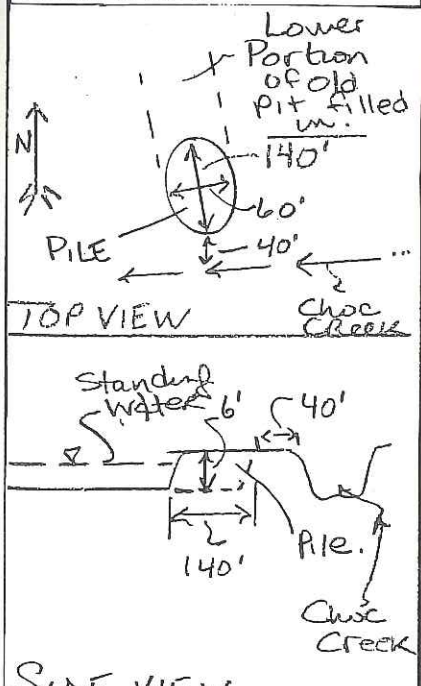
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1122863.8876	653390.9506					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 35' 11.6729" N	85° 50' 32.8112" W	Right (R)	12,000	595.8	~40	0 (at top of bank level)

	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	11-21-09-31-3-01-001 Calhoun Co.	Phyllis S. Weaver 1 Meadowlake Farm Rd. Oxford, Alabama 36203	Pasture / agricultural

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	140	60	-NA- Depth = 4 to 6 per NRCS	Sand, Silt Gravel	Grass and weeds cover most of area, however at the edge of fill / borrow pit interface, no cover.	Yes, except as noted under #17.

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Flat	-NA-	Mostly flat	-NA-	3 : 1 where fill transitions into old borrow pit.	No, however some soil is exposed at the location noted under #17.

SKETCH OF AREA



AREA PHOTOGRAPH

Photo Caption: Area 26, view to the southwest.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : Area 28 A / Choccolocco Creek

DATE OF INSPECTION : 09/01/98

INSPECTED BY : Golder Associates / Roux Assoc.

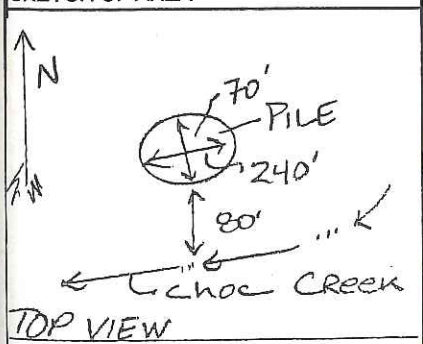
LOCATION (w/r to Centroid)	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
	1123772.6958	655731.7219					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 35' 20.6653" N	85° 50' 05.1416" W	Right (R)		596.1	80	0 (at top of bank level)

LAND OWNERSHIP INFORMATION	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
	11-21-09-31-4-001-002 Calhoun Co.	Phyllis S. Weaver 1 Meadowlake Farm Rd. Oxford, Alabama 36203	Pasture / agricultural

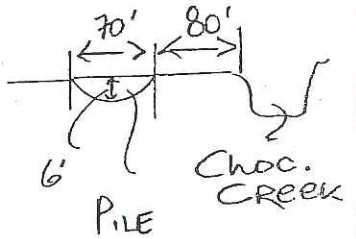
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
	240	70	-NA- Depth = 5 to 6 per NRCS	Sands Silts	Grass and weeds	Yes, except a dry spot on corner.

AREA SLOPE DATA	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
	Flat	-NA-	Flat	-NA-	Flat	No

SKETCH OF AREA



TOP VIEW



SIDE VIEW

AREA PHOTOGRAPH

Photo Caption: Area 28A, view to the east.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 28 B / Choccolocco Creek

DATE OF INSPECTION : 09/01/98 | INSPECTED BY : Golder Associates / Roux Assoc.

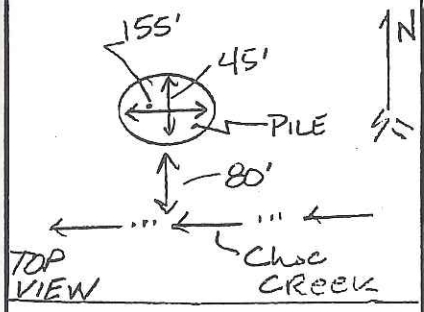
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1124326.1238	656211.7946					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 35' 26.1406" N	85° 49' 59.4665" W	Right (R)	9,000	596.1	80	0 (at top of (bank level)

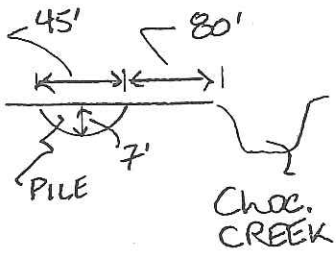
	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	11-21-09-31-4-01-002 Calhoun Co.	Phyllis S. Weaver 1 Meadowlake Farm Rd. Oxford, Alabama 36203	Pasture / agricultural

	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	155	45	-NA- Depth = 6 to 7 per NRCS	Sands Silts	Grass and weeds	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Flat	-NA-	Flat	-NA-	Flat	No

SKETCH OF AREA





SIDE VIEW

AREA PHOTOGRAPH

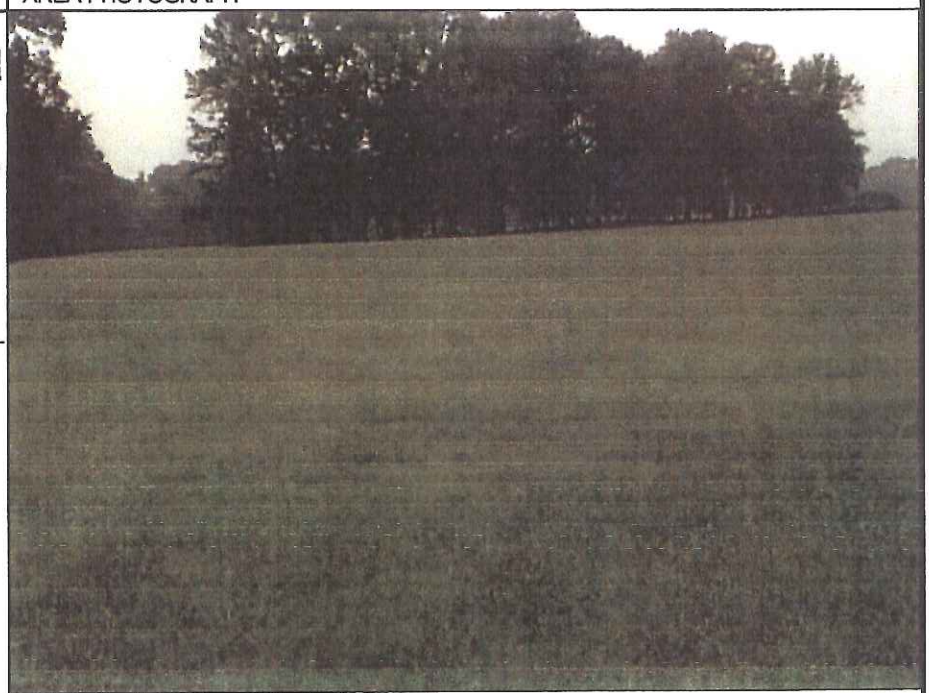


Photo Caption: Area 28B, view to the north.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 29 / Choccolocco Creek

DATE OF INSPECTION : 09/01/98

INSPECTED BY : Golder Associates / Roux Assoc.

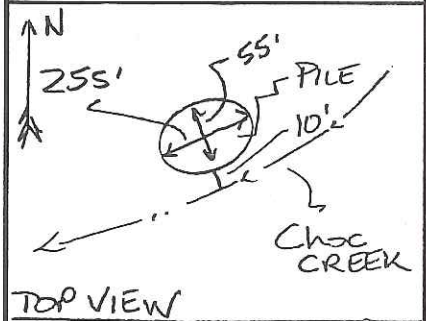
	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank ? (looking downstm)	(#6) Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	(#7) Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (# 8) (approx.) (ft)
LOCATION (w/r to Centroid)	1125444.6484	657128.8242					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 35' 37.2064" N	85° 49' 48.6254" W	Right (R)	6,500	597.8	10	0 (at top of bank level)

	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
LAND OWNERSHIP INFORMATION	11-21-09-31-4-01-002 Calhoun Co.	Phyllis S. Weaver 1 Meadowlake Farm Rd. Oxford, Alabama 36203	Pasture / agricultural

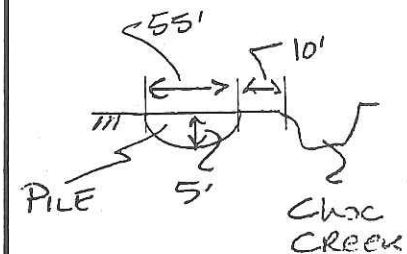
	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type in Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Estab. ?
PHYSICAL DESCRIPTION	215	55	-NA- Depth = 4 to 5 per NRCS	Sands Silts	Grass and weeds	Yes

	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
AREA SLOPE DATA	Flat	-NA-	Flat	-NA-	Flat	No

SKETCH OF AREA



TOP VIEW



SIDE VIEW

AREA PHOTOGRAPH

Photo Caption: Area 29, view to the west.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER : AREA 31 / Choccolocco Creek

DATE OF INSPECTION : 09/01/98

INSPECTED BY : Golder Associates / Roux Assoc.

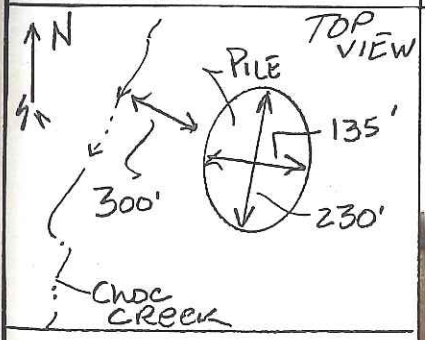
	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
LOCATION (w/r to Centroid)	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank ? (looking downstm)	Distance Downstream from Snow Cr. Confluence (ft) (from map measurement)	Top / Crest Elevation (approx.) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (# 8) (approx.) (ft)
	1127040.2954	657579.5389					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 35' 52.9926" N	85° 49' 43.2965" W	Left (L)	3,500	602.2	300	0 (at top of bank level)

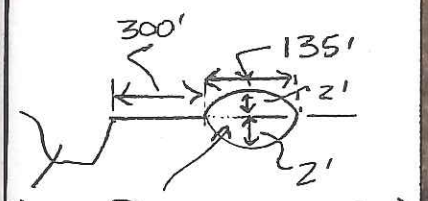
	(#10)	(#11)	(#12)
LAND OWNERSHIP INFORMATION	Parcel No.	Owner Name/Address	Land Use
	11-21-09-32-2-01-006 Calhoun Co.	Edward C. Hopson 1700 Cheaha Dr. Oxford, Alabama 36203	Pasture / agricultural

	(#13)	(#14)	(#15)	(#16)	(#17)	(#18)
PHYSICAL DESCRIPTION	Length (ft)	Width (ft)	Height (ft)	Soil Type in Area	Cover Type and Description	Is Vegetation Well Estab. ?
	135	230	2 Depth = 2 per NRCS	Sands Silts Gravel	Grass	Yes

	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)
AREA SLOPE DATA	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s) ?
	Mostly flat, except at edges	-NA-	Mostly flat, except at edges	-NA-	5:1 at south and east edges	No

SKETCH OF AREA





Choc Creek. PILE (mostly Flat)

SIDE VIEW

AREA PHOTOGRAPH

Photo Caption: Area 31, view to the west.

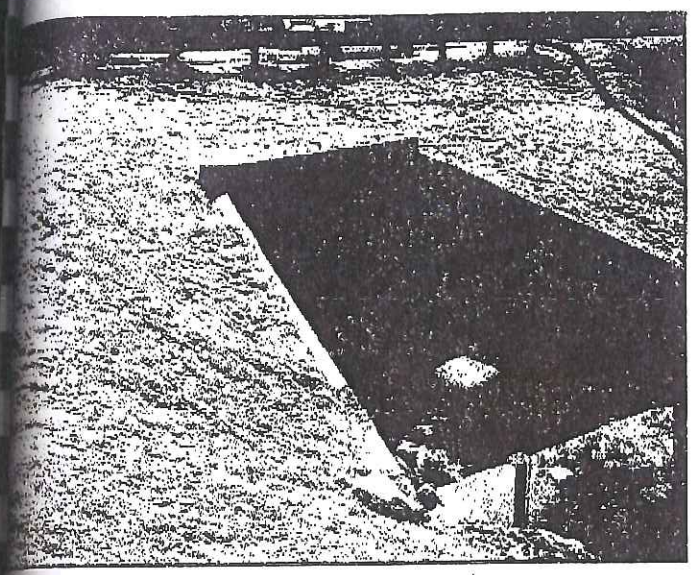
APPENDIX B

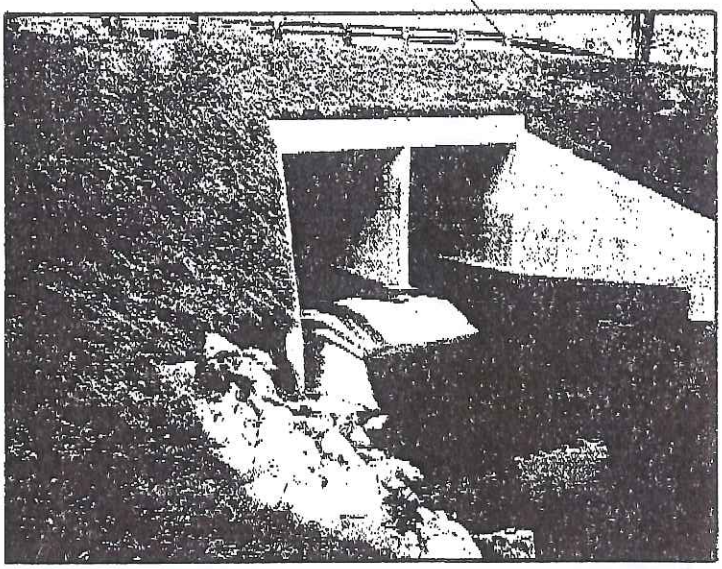
TYPICAL SPECIFICATIONS FOR EROSION CONTROL BLANKETS AND TURF REINFORCEMENT MATS

American Excelsior Company®

AN EMPLOYEE OWNED COMPANY

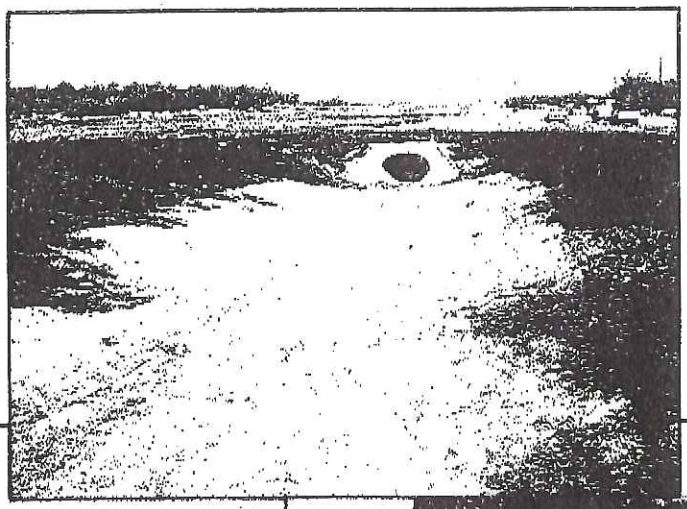
Curlex® Excelsior Blankets

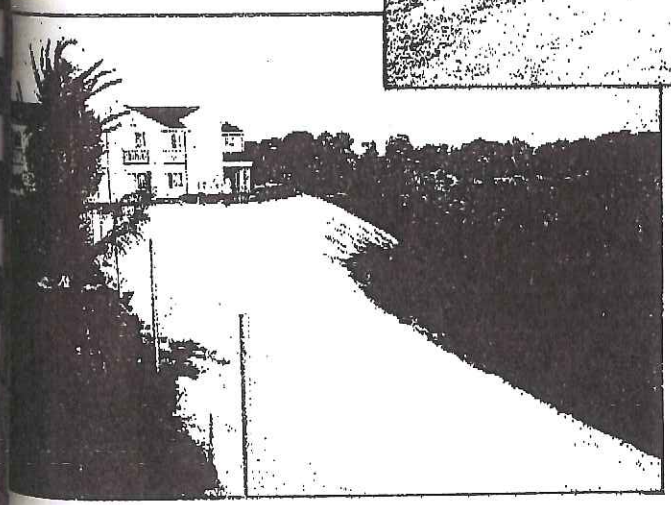


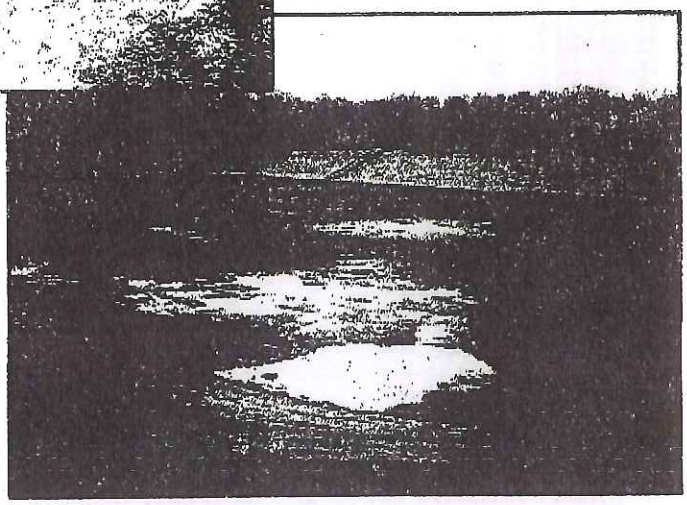


roduct.....

Results



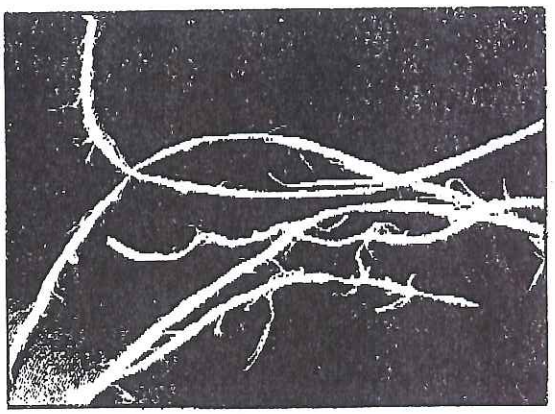




American Excelsior Company

"Working With Nature To Create a Better Environment"

Curlex® Blankets Have...

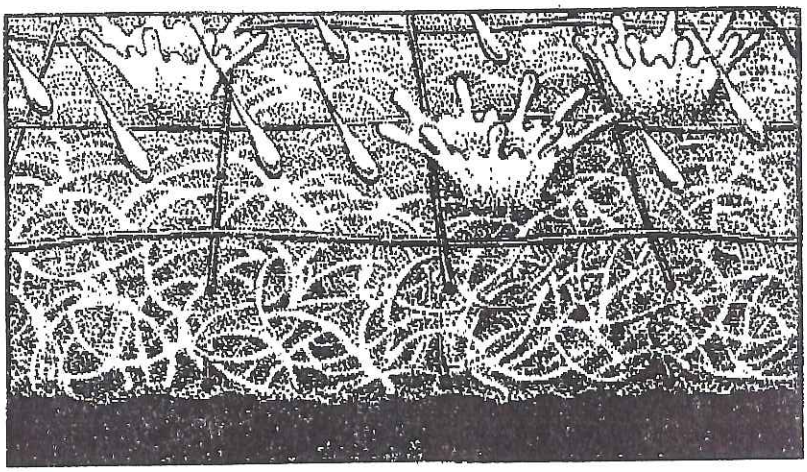


Curlex® Blankets have long passed the test of time, and their proven use has been seen by just about every agency or contractor who has disturbed soil.

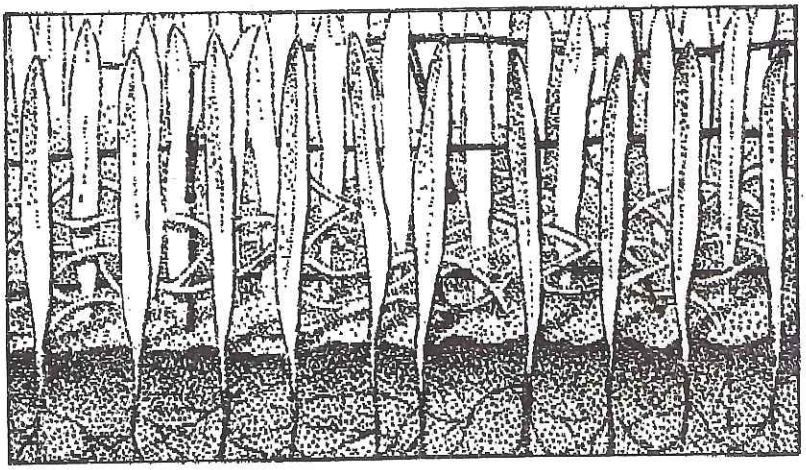
Curlex Blankets have a unique ability to not only "cling" to the soil, but to cling to its own internal construction, due to the "barbed" fibers. This reduces soil loss and provides strength in its foundation

Curlex Blankets also have a natural "mechanical" action, by its ability to expand and contract during weather conditions. As fibers come in contact with moisture, it causes the fibers to expand. As the water is released into the soil, the drying causes contraction of the fibers. This expansion/contraction helps the fibers dig into the soil, thus the natural mechanical action.

Curlex Blankets:



- Help protect seeds from harsh direct sunlight.
- Help reduce the fluctuations in soil temperature by creating a "blanket" for the germinating seeds.
- Help break-up heavy raindrops, which can cause added soil loss due to the "splashing" effect of lifted soils.
- Retain moisture, which is later available to the soil.
- Are a renewable resource. Aspen trees are self-propagating.
- Are stocked at over 30 company-owned locations.
- Are supported by company representatives who understand their products and the conditions they are used in.
- Have been exposed to numerous tests by state and federal agencies, as well as other outside sources.
- Are available in many constructions to meet various soil conditions.
- Germinating growth provides "thousands" of small anchors, which in turn aid in "locking" the product to the soil.
- Are available with various netting constructions that last from 30-60 days, to multiple years.
- Contain no weed seeds (do not have to be treated to kill foreign weed seeds).
- Conform to soil surfaces. Are not rigid, like some fibers.
- Aspen fibers are biodegradable, acting like a mulch which adds natural nutrients to the soil.
- Backed by business success that dates back to 1888.
- Vegetation is the ultimate key to the project's success, and Curlex Blankets have a greenhouse affect that helps expedite the germination.



American Excelsior Company produces a large variety of products related to erosion and sediment control.

Whether it is Excel™ Fibermulch II, Curlex Blankets or our Tri-Lock concrete revetment system, American Excelsior is close by. Consult the back cover for the location nearest you.

CURLEX® I
Erosion Control Blanket

Revised 04/06/98
Replaces 01/12/98

CURLEX® I MATERIAL SPECIFICATIONS

Materials:

Great Lakes Aspen Excelsior
Polypropylene netting
QuickGrass (green excelsior - optional)

Roll Sizes:

Width	Length	Area	Weight
4 ft (1.22m)	180 ft (54.9m)	80.0 sy (66.9 m^2)	78 lb (35.4 kg)
4 ft (1.22m)	112.5 ft (34.4m)	50.0 sy (41.8 m^2)	49 lb (22.2 kg)
8 ft (2.44m)	90 ft (27.4m)	80.0 sy (66.9 m^2)	78 lb (35.4 kg)
8 ft (2.44m)	56.25 ft (17.1m)	50.0 sy (41.8 m^2)	49 lb (22.2 kg)

Description:

Curlex®I erosion control blanket is a natural, excelsior blanket which provides a temporary organic cover to reduce erosion, protect seeds, enhance germination and hasten re-vegetation. Typically, *Curlex®I* is suitable for severe slopes up to 1.5:1 and channels up to 5.0 fps (1.5 mps). *Curlex®I* is furnished in rolls with polyethylene wrapping (paper wrapping for QuickGrass) to protect against the elements prior to installation and may be ordered stretch-wrapped in Master-Paks of six rolls each (banded in Master-Paks of four rolls for 8 foot widths) to minimize material handling requirements.

Physical Properties:

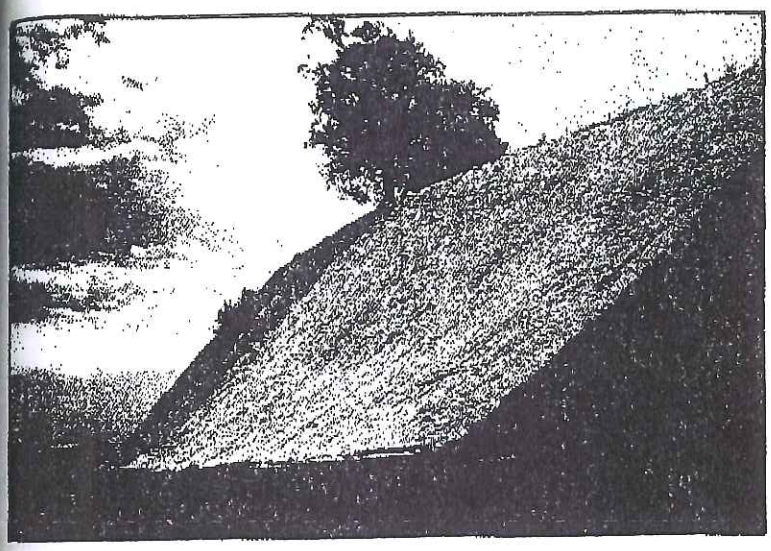
Fiber:	Great Lakes Aspen Excelsior with no weed seeds Curled, interlocking fibers with barbed edges
Fiber Size:	80% of fibers a minimum of 6" (15.24 cm) long 0.038" ± 0.010" wide by 0.018" ± 0.003" thick (0.97 mm ± 0.25 mm wide by 0.45 mm ± 0.08 mm thick)
Water Absorption:	250% ± 25%
Weight:	0.98 lb/sy (0.53 kg/m^2) ± 10%
Net:	Polypropylene (green or white-UV degrader additive)
Net Opening Size:	3/4" wide by 1-5/8" long (19 mm wide by 41 mm long)
Net Configuration:	Top side only

All weights and measures are based on product at time of manufacture

American Excelsior Company®
AN EMPLOYEE OWNED COMPANY

P.O. Box 5067 / 850 Avenue H East Arlington, TX 76011 Phone 800-777-SOIL Fax 817-649-7816

Curlex® I

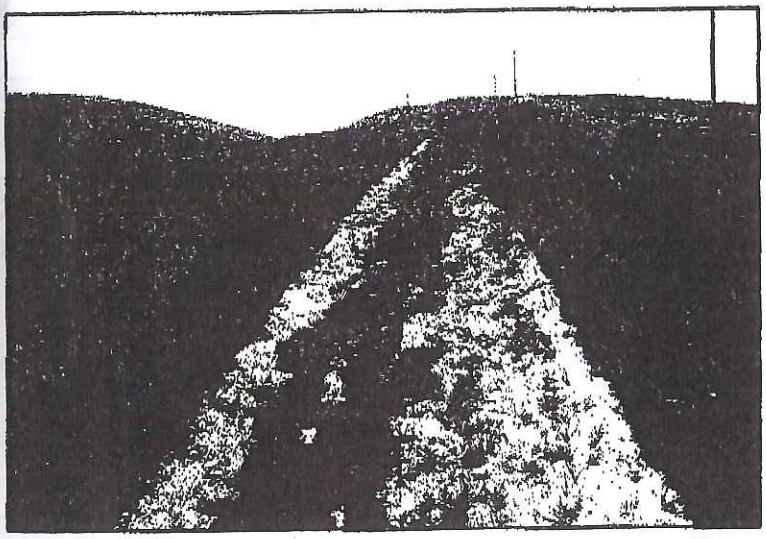


SPECIFICATION

A wood machined mat of curled wood excelsior of 80% six-inch or longer fiber length. It has consistent thickness, with the fibers evenly distributed over the entire area of the blanket. The top of each blanket shall be covered with a photo-degradable, extruded plastic mesh. Material shall not contain any chemical additives.

Recommended Use:	Slopes to 1.5:1, Channels to 5 fps
Roll Sizes:	4'x 180', 4'x 112.5', 8'x 90'
Weight:	.975 lbs./sq. yd.
Options:	Also available with a short 30-60 day life-cycle netting

Curlex® II (Double Sided)



SPECIFICATION

A wood machined mat of curled wood excelsior of 80% six-inch or longer fiber length. It has consistent thickness, with the fibers evenly distributed over the entire area of the blanket. Both the top and bottom of each blanket shall be covered with a photodegradable, extruded plastic mesh. Material shall not contain any chemical additives.

Recommended Use:	Slopes to 1.5:1, Channels to 7 fps, Sandy Soils
Roll Sizes:	4'x 180', 4'x 112.5', 8'x 90', 8'x 56'
Weight:	1 lb./sq. yd.

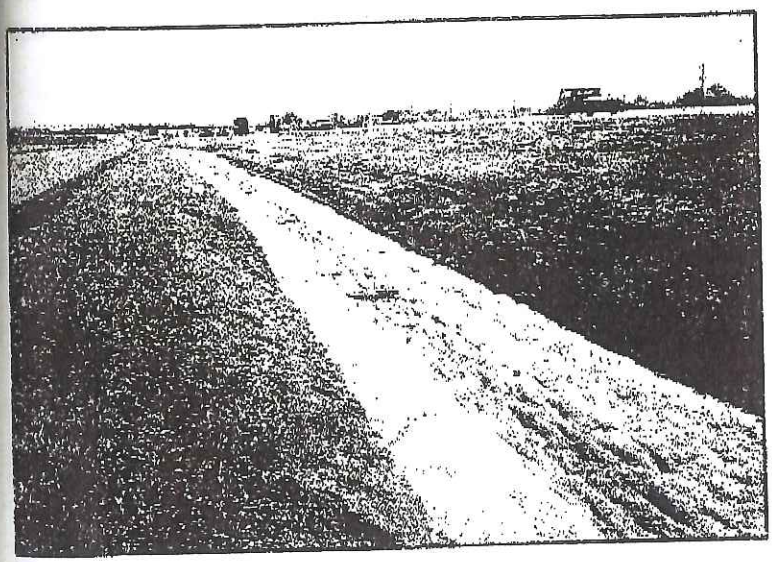
Curlex® QuickGrass

SPECIFICATION

A dyed green Aspen wood fiber mat constructed from curled excelsior, of which 80% is six-inches or longer in length. It has uniform color and consistent thickness, and the fibers are evenly distributed over the entire blanket. Each blanket is covered with a photodegradable, extruded plastic mesh and shall not contain any chemical additives.

Recommended Use:	Slopes to 1.5:1, Channels to 5 fps. Green color makes this product ideal for sensitive areas such as Landfills, Residential areas, Parks, etc.
Roll Sizes:	4'x 180', 4'x 112.5' 8'x 90'
Weight:	1.06 lbs./sq. yd.
Options:	Also available with a short 30-60 day life-cycle netting

Curlex® *III* (HV)



SPECIFICATION

The excelsior blanket shall consist of a heavy weight construction of a machined, curled wood fiber, produced in a mat form. Fibers shall consist of 80% six-inch or longer fibers with consistent thickness and evenly distributed over its entire areas. Each side is covered with black, heavy-duty, extruded plastic mesh designed to last for years and reinforce the root system after the excelsior mat has decomposed. Material shall not contain any chemical additives.

Recommended Use:	Channels to 10 fps, Slopes needing long-term protection
Roll Sizes:	4'x 100', 8' x 50'
Weight:	1.62 lbs./sq. yd.

Curlex® Installation Instructions

1) FINISH GRADE, FERTILIZE, AND SEED BEFORE APPLYING BLANKET
2) LOCATE BEGINNING OF ROLL USING STARTER SHEET

SLOPES

Product	Staple Diagram		Staples		Seam Overlap		Installation	
Soils	Cohesive	Non-Cohesive	Cohesive	Non-Cohesive	Cohesive	Non-Cohesive	Cohesive	Non-Cohesive
Curlex I	A	A	D	E	--	F	H	I
Curlex II	A	A	D	E	--	F	H	I
QuickGrass	A	A	D	E	--	F	H	I

CHANNELS

Product	Staple Diagram		Staples		Seam Overlap (with flow direction)	
Soils	Cohesive	Non-Cohesive	Cohesive	Non-Cohesive	Cohesive	Non-Cohesive
Curlex I	B	B	D	E	G	G
Curlex II	B	B	D	E	G	G
QuickGrass	B	B	D	E	G	G
Curlex III	C	C	D	E	G	G

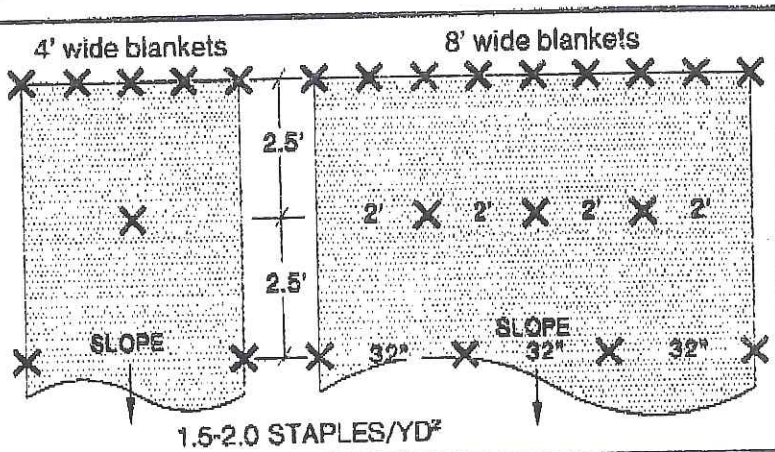
COHESIVE SOILS:
- No overlap required on side seams
- Use 6" staple length

NON-COHESIVE SOILS:
- Use 6" side seam overlap
- Use 8 ' staple length
- Use 6" anchor trench at top of slope

A SLOPES

Up to 1.5H:1V

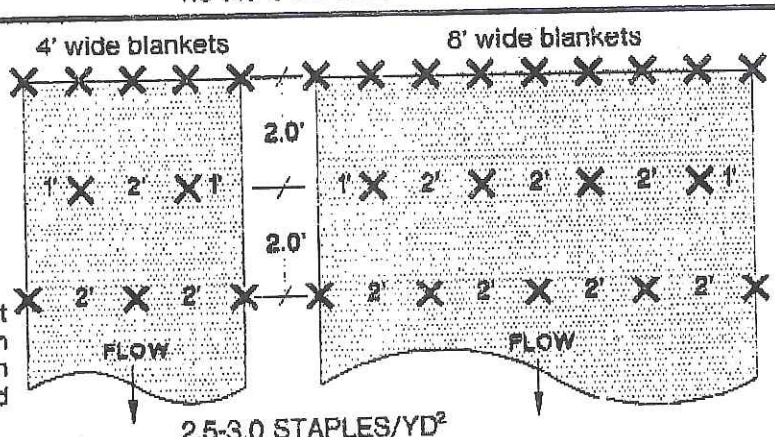
- Install the blanket vertically or horizontally.
- Use 12" staple spacing on starter row.



COHESIVE SOILS:
- Use 6" side seam overlap
- Use 6" staple length
- Use 6" transverse anchor trench at 100-ft. intervals

B CHANNELS

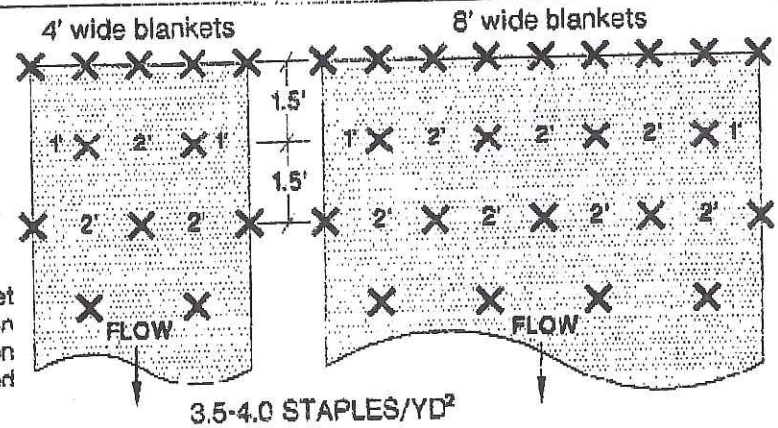
- Use 12" staple spacing on starter row.
- Upstream blanket should overlap downstream blanket a distance of 12" in a "shingle" fashion and bury the finished toe at least 6".



NON-COHESIVE SOILS:
- Use 6" side seam overlap
- Use 8" staple length
- Use 6" transverse anchor trench at 50-ft. intervals

C CHANNELS

- Use 12" staple spacing on starter row.
- Upstream blanket should overlap downstream blanket a distance of 12" in a "shingle" fashion and bury the finished toe at least 6".



D = 6x1x6 11 ga. wire E = 8x2x8 11 ga. wire F = 2" G = 6" H = Start 3' over grade break I = Start 3' over grade break & trench

Hi-Velocity Curlex® Blankets

apling Instructions for AMXCO -Velocity Curlex® Blankets

e wire staples, 11 gauge in diameter greater, "U" shaped with legs 8" long longer and 1" to 2" crown. Size and uge of staples used will vary with soil es. Use four staples across at the rt of each roll and continue to staple ng the length of the roll at 2 ft. ervals. When blankets are placed ong side each other, staple so as to tch the edge of each roll. In addition stapling the edges of the blanket at e appropriate intervals (see drawing), lace staples in the center of the blanket lfway between the outer staples.

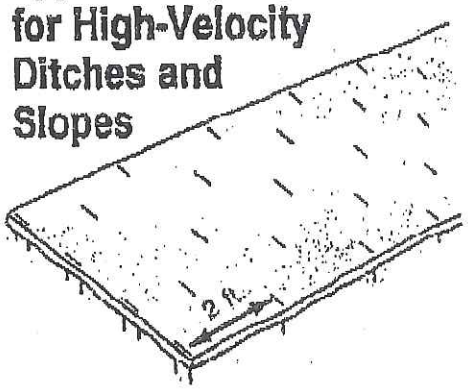
Hi-Velocity Curlex® Blankets

are recommended for the following water velocities:

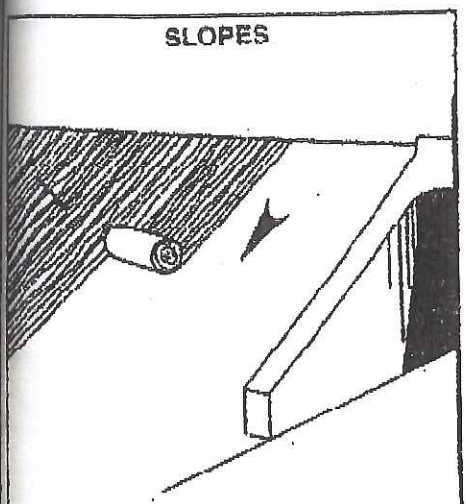
Soil Types	Velocity/Feet Per Second
Clay, Clay Loam, Silt Clay	11 FPS
Clay, Silty Clay, Sandy Clay Loam	9.8 FPS
Fine Sandy Loam, Silty Loam	8.6 FPS

These figures are based on ditch lining at over 3% grade up to 13%. On slope protection, the determining factor would be the grade of the slope, berms above and sheeting effect of water velocity.

Typical Stapling Pattern for High-Velocity Ditches and Slopes

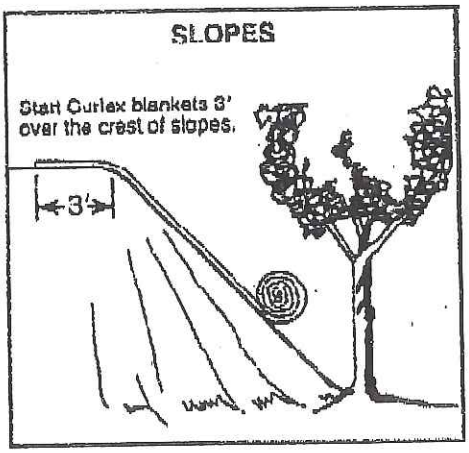


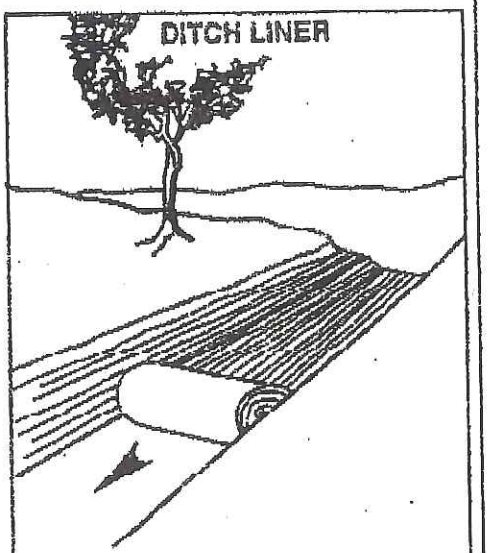
Use 4 staples across at the start of each roll and continue to staple throughout the length of the roll at 2 ft. intervals.
Overlap adjacent rolls 2" - 3" when used on horizontal installation. End and beginning of rolls overlap 6" minimum.



Curlex® Blankets can be installed horizontally or vertically on slopes. Grade and length of slope determine the easiest method.

Overlapping, check slots, and anchor ditches are not required. Butt the edges together on adjoining blankets.





Unroll blanket in the direction of water flow. When using two or more blankets side by side in ditch, do not put the seam (edge of adjoining blanket) in the center of the water flow. Offset 6 inches to 1 foot.
Bury upstream end 6 inches.

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Rev. 4/10/94

LANDLOK® TRM 450 Turf Reinforcement Mat

LANDLOK TRM 450 is manufactured at one of Synthetic Industries' facilities that has achieved ISO-9002 certification for its systematic approach to quality. LANDLOK TRM 450 turf reinforcement mat consists of a dense web of green polypropylene fibers positioned between two biaxially oriented nets and mechanically bound together by parallel stitching with polypropylene thread. The matrix possesses strength and elongation properties to limit stretching in a saturated condition. Every component of the matrix is stabilized against ultraviolet degradation and inert to chemicals normally found in a natural soil environment. After a 24 hour saturation period, LANDLOK TRM 450 conforms to the property values listed below[1], which have been derived from quality control testing performed by one of Synthetic Industries' GAI-LAP accredited laboratories:

PROPERTY	TEST METHOD	ENGLISH VALUES[2] *MARV*	ENGLISH VALUES[2] *TYPICAL*
Mechanical			
Tensile Strength	ASTM D5035[3]	170 x 125 lb/ft	250 x 180 lb/ft
Tensile Elongation	ASTM D5035[3]	50% (max)	25%
Tensile Strength @ 10% Elongation	ASTM D5035[3]	n/a	105 x 90 lb/ft
Endurance			
UV Resistance @ 1000 hrs	ASTM D4355	80%	90%
Physical			
Mass Per Unit Area	ASTM D5261	10.0 oz/yd^2	10.5 oz/yd^2
Thickness	ASTM D1777	0.50 in	0.60 in
Resiliency[4]	ASTM D1777	80%	90%
Moisture Absorption	ASTM D570	0.01% (max)	0.01% (max)
Porosity[5]	Calculated	95%	95%
Ground Cover Factor[6]	Light Projection Analysis	74%	85%
Performance			
Velocity[7]	---	---	10 ft/sec
Shear Stress[7]	---	---	4 lb/ft^2

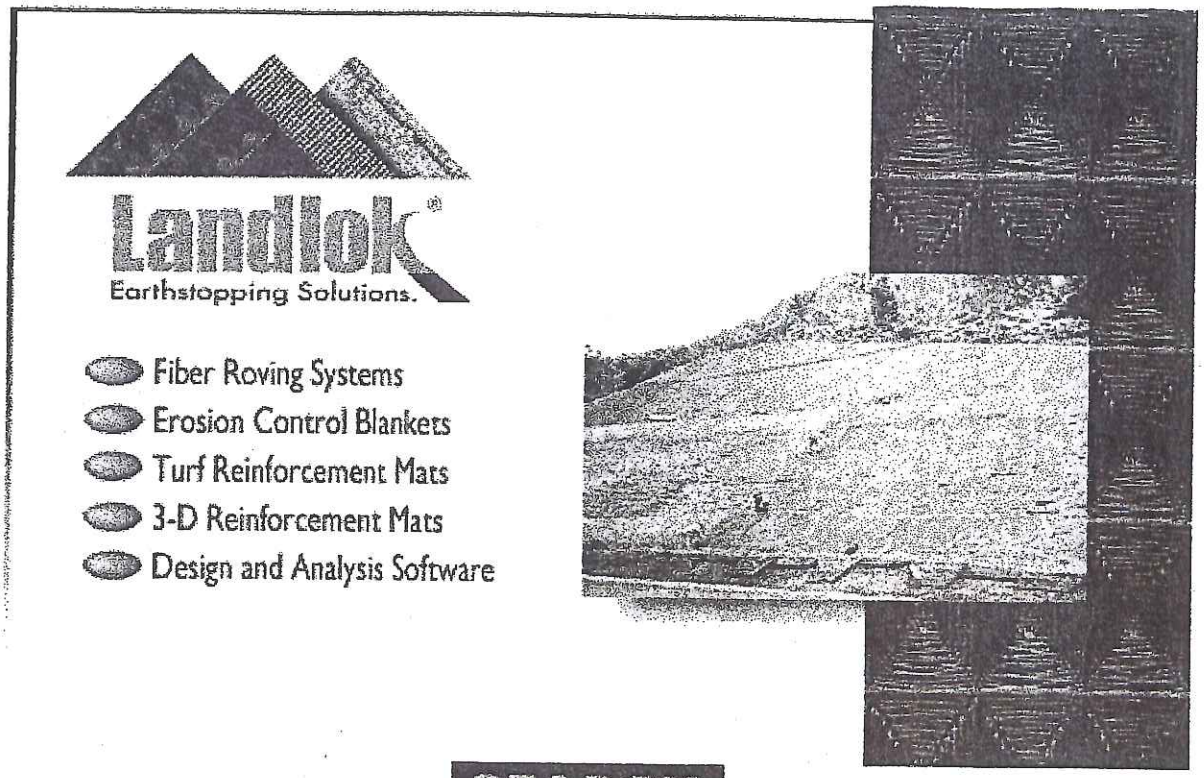
ROLL SIZES: 6.5 ft x 138.5 ft = 100 yd^2 (70 lbs)

SPECIAL ROLL SIZES: 3.25 ft x 138.5 ft = 50 yd^2 (40 lbs)
9.75 ft x 138.5 ft = 150 yd^2 (100 lbs)
13.0 ft x 138.5 ft = 200 yd^2 (135 lbs)

NOTES:

1. **The property values listed above are effective 12/3/96 and are subject to change without notice.**
2. Values for machine and cross-machine, respectively, under dry or saturated conditions. Minimum average roll values (MARV) are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported. Typical indicates mean or average of all test data.
3. Formerly test method ASTM D1682.
4. Resiliency defined as percent of original thickness retained after 3 cycles of a 100 psi load for 60 seconds followed by 60 seconds without load...thickness measured 30 measured after load removed by ASTM D1777.
5. Porosity calculation based upon mass per unit area, thickness, and specific gravity.
6. Ground Cover Factor represents "% shade" from Lumite Light Projection Test.
7. Maximum permissible design values listed are based on long-term (50 hrs), vegetated data obtained at an independent hydraulics testing facility. Additional values available upon request.

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444



General Description

Our LANDLOK® system of erosion control products combines technology with nature to provide a wide range of hydraulic and mechanical properties while promoting revegetation. Our temporary erosion control products hold seed and soil in place before degrading once vegetation is established. And our permanent erosion control products provide life-long solutions.

Temporary Erosion Control

Fiber Roving Systems (FRS)

LANDLOK® fibers are an "environmentally friendly" polypropylene Fiber Roving System (ECB) designed to protect newly seeded areas from erosion under moderate flow conditions and promote rapid vegetation establishment. Extensive three dimensional overlapping of LANDLOK® fibers provide protection from rainfall impact and runoff, preserve soil moisture and provide beneficial shading and temperature moderation to foster plant development.

Erosion Control Blankets (ECB)

LANDLOK® degradable erosion control blankets are flexible products designed to hold seeds and soil in place until vegetation is established. The natural looking high strength polypropylene mesh protects the soil surface from water and wind erosion while offering partial shading and heat storage to accelerate vegetative development.

Permanent Erosion Control

Turf Reinforcement Mats (TRM)

OK Erosion Control Products

LANDLOK® three-dimensional turf reinforcement mats are designed to provide balanced performance over time. Composed of UV-stabilized, non-biodegradable, polyolefin fibers mechanically bound between two high-strength, biaxially oriented nets, LANDLOK® erosion mats are ideal for high flow/velocity applications such as drainage channels and steep slopes.

The benefits include: excellent temporary erosion protection, rapid and uninhibited vegetative growth and permanent resistance to elevated hydralic forces.

Pyramat® Erosion Matrix

A three-dimensional textile matrix, PYRAMAT® is designed for maximum strength, durability and performance in demanding biotechnical erosion control applications.

Composed of UV-stabilized monofilament yarns woven into dimensionally stable pyramid-like openings for maximum soil filling and retention, PYRAMAT® erosion matrix stabilizes soils and reinforces vegetation to replace hard armor systems. Rugged construction, durability and functional longevity separate this high-survivability material from turf reinforcement mats.

Design & Analysis Software

Using EC-DESIGN®, a user can calculate and select most appropriate product for a variety of channel and slope erosion control applications. The calculations follow state-of-the-practice Federal Highway Administration (FHWA) procedures including maximum velocity and shear stress analyses, integration of compound channels, soil loss estimations and pull-down window screens. Once the most appropriate product is selected, the results, specifications and CAD drawings are printed or can be saved on a disk.

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Contact us:

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FAX: (423) 899-7619

Synthetic Industries, Inc.
4019 Industry Drive
Chattanooga, TN 37416 USA

APPENDIX B

DREDGE SPOIL AREA RFICS PHASE 1 REPORT, SEPTEMBER 13, 1999

DREDGE SPOIL AREA RFI/CS PHASE 1 REPORT
Snow and Choccolocco Creeks
Calhoun and Talladega Counties, Alabama

Solutia Inc. – Anniston Facility
USEPA I.D. No. ALD 004 019 048

September 13, 1999

Prepared for:

SOLUTIA INC.
300 Birmingham Highway
Anniston, Alabama 36201

Prepared by:

ROUX ASSOCIATES, INC.
1110 NASA Road One, Suite 207
Houston, Texas 77058

CONTENTS

TABLES

FIGURES

CONTENTS (continued)

APPENDICES

1.0 INTRODUCTION

Roux Associates, Inc. has prepared this report documenting the initial phase of sampling of the dredge spoil areas along Snow and Choccolocco Creeks in Calhoun and Talladega Counties (Figure 1), Alabama for Solutia Inc. (Solutia), as requested by the Alabama Department of Environmental Management (ADEM). Locations and physical evaluations of 27 known or suspected dredge spoil areas were included in the *Dredge Spoil Area Evaluation Report* submitted to ADEM in October 1998 (Table 1). The purpose of the initial phase of sampling the dredge spoil areas was to evaluate those dredge spoil areas that are slated to be stabilized, those located within 25 feet of the creek bank, and those that are scheduled to be removed in conjunction with an erosion control program to be implemented by the City of Anniston, Alabama. The following dredge spoil areas were sampled: Snow Creek Areas 1, 3, 4, 5, 6, 7, and 8; and Choccolocco Creek Areas 7, 9, 23, 24, 26, and 29 (Figure 2). The remaining 14 dredge spoil areas will be sampled in conjunction with the pending RFI/CS floodplain evaluation program.

The *Dredge Spoil Area RFI/CS Work Plan* for this sampling was submitted to ADEM in correspondence dated May 21, 1999. In correspondence dated July 23, 1999, ADEM approved the Work Plan subject to the additional requirement that dredge spoil areas to be removed in conjunction with the City of Anniston's erosion control program (Snow Creek Areas 4, 5, and 6) be sampled and analyzed. A revised Work Plan adding this requirement is provided in Appendix A. The revised Work Plan also adds Choccolocco Creek Area 29 to the Phase 1 sampling program. This area is located within 25 feet of the creek bank and was inadvertently left out of the initial Work Plan.

2.0 SAMPLING STRATEGY, METHODS, AND SAMPLE ANALYSIS

2.1 Sampling Strategy

A 50-feet by 50-feet grid was used to determine the number of samples to be collected from each area as described in the *Dredge Spoil Area RFI/CS Work Plan.* A 50-feet grid spacing was selected to provide representative samples from dredge spoil areas which vary widely in size. Each area was approximated as a rectangle. The maximum length and width of the areas were used as the length and width of the rectangle. The maximum number of samples for each area was defined as the number of squares of the grid that fell within the rectangle. The squares of the grid represent the boundaries for composite sampling. Each grid sample was a composite sample consisting of five (5) aliquots of sediment collected at randomly selected locations and depths within the composite boundaries. The number of samples taken for each area is indicated on Table 1.

The sampling strategy described above was followed with the following exceptions. As noted in the *Dredge Spoil Area RFI/CS Work Plan*, Snow Creek Areas 1, 3, and 7 and Choccolocco Creek Areas 7 and 29 are too small to fit within the grid spacing selected. One (1) composite sample consisting of five (5) aliquots each was taken from Snow Creek Areas 1 and 3. Snow Creek Areas 7 and 8 are both heavily wooded and accessibility is limited. A field decision was made to take 9 and 11 grab samples (instead of composite samples), respectively, from these areas at a spacing of 50 feet. Two (2) composite samples were taken from Choccolocco Creek Area 7, and four (4) composite samples were taken from Choccolocco Creek Area 29.

Snow Creek Areas 4, 5, and 6 were handled differently than the other dredge spoil areas because they are scheduled to be removed by the City of Anniston. Two (2) composite samples of five (5) aliquots each were taken from each of these areas for waste characterization purposes.

The dimensions of some of the dredge spoil areas appeared to be smaller than indicated in the *Dredge Spoil Area Evaluation Report.* The areas on Choccolocco Creek were

sampled within boundaries indicated by Natural Resource Conservation Service (NRCS) personnel that were on site during sampling. Based on this information, 11 samples were taken from Choccolocco Creek Area 24 instead of 15 as per the Work Plan. Two samples from Choccolocco Creek Area 24 were taken from 50 foot by 70 foot areas to include more of the known spoil area. Areas on Snow Creek were sampled within obvious fill boundaries. Aliquot and grab sample locations for each area are indicated on Figures 3 through 15.

2.2 Sampling Methods

Samples were collected during the period June 14 through June 18, 1999 by personnel from Roux Associates, Inc. and H.G.S., Inc. NRCS personnel accompanied the sampling team during sampling of Choccolocco Creek areas to facilitate identification of dredge spoil area boundaries. All sampling was conducted according to methods described in the Off-Site RFI/CS Work Plan (March 1999) with the following exception. Due to the difficulty in using a hand auger in the fill material in the dredge spoil areas, a field decision was made to use post-hole diggers instead of a hand auger. As a result, the maximum depth that samples were collected ranged from 15 inches to 36 inches depending on the hardness of the fill material in each area. The depths of each aliquot for each composite sample and the depths of each grab sample for Snow Creek Areas 7 and 8 are presented in Table 2.

All sampling devices were decontaminated between uses using a deionized (DI) water rinse, followed by a wash with Alconox® detergent and a final rinse with DI water. The samples were placed in glass jars, labeled and placed on ice in sample coolers, and maintained on ice until the end of the sampling period. Samples were subsequently shipped via Federal Express under chain-of-custody (COC) documentation to the laboratory. Each sampler used disposable gloves and changed gloves after each sample.

2.3 Sample Analysis

All composited samples, duplicates, and blanks were analyzed for PCBs by USEPA Method SW846 8082. In addition, one composite sample from each dredge spoil area, with the exception of Snow Creek Areas 4, 5, and 6 was analyzed for total mercury by USEPA Method SW846 6010B. Grab samples were collected from Snow Creek Areas 7 and 8 for total mercury analysis. The initial grab samples collected from Snow Creek Area 8 were submitted for PCB analysis only. As a result, an additional grab sample was collected from this area on August 17, 1999 for analysis of total mercury. All analyses were performed as presented in the Off-Site RFI/CS Work Plan. All data collection, management, review, validation and verification procedures included in the Off-Site RFI/CS Work Plan were followed. All analyses were performed by Savannah Laboratories and Environmental Services, Inc. of Savannah, Georgia.

3.0 RESULTS

Analytical results for the dredge spoil area sampling are presented in Table 3. Each area is discussed separately below. Laboratory data and chain of custody forms are provided as Appendix B.

3.1 Snow Creek

Seven (7) dredge spoil areas near or adjacent to Snow Creek were sampled. The composited sample from Snow Creek Area 1 (SC-1) was found to have a total PCB concentration of 19.6 milligrams/kilogram (mg/kg). The sample from Snow Creek Area 3 (SC-3) was found to have a total PCB concentration of 24.9 mg/kg.

Two (2) composited samples each were taken from Snow Creek Areas 4 through 6 (SC-4, SC-5, and SC-6). Concentrations of total PCBs for SC-4 were 13.8 and 17.4 mg/kg. Concentrations of total PCBs for SC-5 were 14.2 and 88.0 mg/kg. Concentrations of total PCBs for SC-6 were 19.9 and 30.3 mg/kg.

Nine (9) grab samples were taken from Snow Creek Area 7 (SC-7). The concentrations of total PCBs for these samples ranged from 0.5 to 19.0 mg/kg. Eleven grab samples were taken from Snow Creek Area 8 (SC-8). The concentrations of total PCBs for these samples ranged from 0.8 to 46.0 mg/kg.

Analysis for mercury was performed for areas SC-1, SC-3, SC-7, and SC-8. Mercury concentrations ranged from 0.19 to 0.27 mg/kg for these areas.

3.2 Choccolocco Creek

Two (2) composited samples each were taken from Choccolocco Creek Areas 7 and 9 (CC-7 and CC-9). Concentrations of total PCBs for CC-7 were 2.4 and 1.4 mg/kg. Concentrations of total PCBs for CC-9 were 0.4 and 0.3 mg/kg.

Six (6) composited samples were taken from Choccolocco Creek Area 23 (CC-23). The concentrations of total PCBs for these samples ranged from 2.0 to 10.8 mg/kg. Eleven composited samples were taken from Choccolocco Creek Area 24 (CC-24). The concentrations of total PCBs for these samples ranged from 1.2 to 8.9 mg/kg.

Two (2) composited samples were taken from Choccolocco Creek Area 26 (CC-26). The concentrations of total PCBs for these samples were 3.9 and 1.6 mg/kg. Four (4) composited samples were taken from Choccolocco Creek Area 29 (CC-29). The concentrations of total PCBs for these samples ranged from 2.0 to 4.6 mg/kg.

Analysis for mercury was performed for areas CC-7, CC-9, CC-23, CC-24, CC-26, and CC-29. Mercury concentrations ranged from 0.65 to 3.9 mg/kg for these areas.

3.3 Quality Control / Quality Assurance Procedures / Data Validation

Quality control/quality assurance (QA/QC) measures used in this investigation included the collection of duplicate samples, the collection of equipment blank samples and the use of trip blanks.

Selected samples were split in the field as duplicate samples and labeled as if they were a discrete sample. Duplicate samples were analyzed for PCBs only. Laboratory precision was calculated as relative percent deviation (RPD). Data were qualified as quantitative, qualitative, or unusable depending on the RPD. Quantitative data yielded RPD values of less than 60 per cent (%), qualitative data yielded RPD values of 60% to 100% and unusable data yielded RPD values over 100%. RPDs were calculated using the following formula:

$$RPD = \frac{(X - Y)}{(X + Y)(0.5)} \times 100\%$$

Where:

X = Primary sample concentration

Y = Duplicate sample concentration

The duplicate samples were collected at those dredge spoil areas identified as Snow Creek Area 8 (SC-8-2 and duplicate SC-8-20), Choccolocco Creek Area 9 (9-2 and duplicate 9-20) and Choccolocco Creek Area 24 (24-2 and duplicate 24-20). Only those PCBs with concentrations above laboratory detection limits were compared. All data qualified as quantitative, with the exception of Arochlor 1248 analyses from the Choccolocco Creek Area samples 24-2 and duplicate 24-20. These data qualified as qualitative. Calculations are provided as Appendix B.

All holding times were met by Savannah Laboratories and Environmental Services, Inc. All equipment and trip blanks were non-detect for all Arochlors. All recoveries were in acceptable percentages for internal laboratory QA/QC.

Respectfully submitted,

ROUX ASSOCIATES, INC.

Jeannette L. Schlichenmeyer

Staff Geologist

Mark N. Smith

Senior Hydrogeologist

for John R. Loper, P.E.
Vice President/ Principal Engineer

Table 1. Sample Information, for Dredge Spoil Areas, Snow and Choccolocco Creeks, Calhoun and Talledega Counties, AL. Page 1 of 1

Dredge Spoil Area	Location Lat. (° N) / Long. (° W)	Distance From Bank (ft)	Height/Depth (H/D) (ft)	Area (length x width) (ft x ft)	Number of Samples Taken*
Snow Creek					
Area 1	33° 39' 17.9800" / 85° 50' 13.1877"	26.6	H ~ 6	57 x 30	1
Area 3	33° 39' 14.1785" / 85° 50' 14.2223"	0	H = 7	40 x 13	1
Area 4	33° 39' 8.3975" / 85° 50' 13.6812"	0	H = 5	34 x 15	2
Area 5	33° 39' 8.2186" / 85° 50' 13.2113"	0	H = 5	33 x 15	2
Area 6	33° 39' 8.1003" / 85° 50' 12.8329"	0	H = 5	15 x 15	2
Area 7	33° 37' 24.7975" / 85° 49' 46.9691"	0	H = 3	450 x 40	9[G]
Area 8	33° 37' 24:8565" / 85° 49' 46.3722"	0	H = 3	550 x 80	11[G]
Choccolocco Creek					
Area 7	33° 34' 39.1138" / 85° 54' 07.6704"	500	D = 4	160 x 20	2
Area 9	33° 34' 39.5886" / 85° 54' 07.1254"	0	D = 0 to 7	100 x 75	2
Area 23	33° 35' 01.6099" / 85° 51' 09.9273"	20	D = 3	185 x 100	6
Area 24	33° 35' 02.0814" / 85° 50' 54.9943"	~5 (next to flood berm)	H ~10	280 x 165	11
Area 26	33° 35' 11.6729" / 85° 50' 32.8112"	~ 40	D = 5 to 6	140 x 60	2
Area 29	33° 35' 37.2064" / 85° 49' 48.6254"	10	D = 4 to 5	215 x 55	4

* All samples were composite samples of 5 aliquots unless indicated otherwise.

[G] Indicates sample was a grab sample.

Table 2. Sample Locations and Depths (inches), Dredge Spoil Areas, Snow and Choccolocco Creeks, Calhoun and Talledega Counties, AL.

Dredge Spoil Area

Snow Creek 1 (SC-1)	Aliquot	SC-1-1-1	SC-1-1-2	SC-1-1-3	SC-1-1-4	SC-1-1-5						
	Depth	10	27	36	18	30						
Snow Creek 3 (SC-3)	Aliquot	SC-3-1-1	SC-3-1-2	SC-3-1-3	SC-3-1-4	SC-3-1-5						
	Depth	30	24	18	15	18						
Snow Creek 4 (SC-4)	Aliquot	SC-4-1-1	SC-4-1-2	SC-4-1-3	SC-4-1-4	SC-4-1-5						
	Depth	27	24	30	24	18						
	Aliquot	SC-4-2-1	SC-4-2-2	SC-4-2-3	SC-4-2-4	SC-4-2-5						
	Depth	24	18	15	21	33						
Snow Creek 5 (SC-5)	Aliquot	SC-5-1-1	SC-5-1-2	SC-5-1-3	SC-5-1-4	SC-5-1-5						
	Depth	33	30	27	15	15						
	Aliquot	SC-5-2-1	SC-5-2-2	SC-5-2-3	SC-5-2-4	SC-5-2-5						
	Depth	24	30	33	15	15						
Snow Creek 6 (SC-6)	Aliquot	SC-6-1-1	SC-6-1-2	SC-6-1-3	SC-6-1-4	SC-6-1-5						
	Depth	24	18	12	18	15						
	Aliquot	SC-6-2-1	SC-6-2-2	SC-6-2-3	SC-6-2-4	SC-6-2-5						
	Depth	30	24	12	12	15						
Snow Creek 7 (SC-7)	Aliquot	SC-7-1	SC-7-2	SC-7-3	SC-7-4	SC-7-5	SC-7-6	SC-7-7	SC-7-8	SC-7-9		
	Depth	20	18	6-30	20	24	15	27	18	24		
Snow Creek 8 (SC-8)	Aliquot	SC-8-1	SC-8-2	SC-8-3	SC-8-4	SC-8-5	SC-8-6	SC-8-7	SC-8-8	SC-8-9	SC-8-10	SC-8-11
	Depth	9	24	20	9	10	8	6-30	10	6-30	21	28

(mercury sample for SC-8-1 taken at a depth of 12 inches)

Table 2. Sample Locations and Depths (inches), Dredge Spoil Areas, Snow and Choccolocco Creeks, Calhoun and Talledega Counties, AL.

Dredge Spoil Area						
Choccolocco Creek 7 (CC-7)	Aliquot	CC-7-1-1	CC-7-1-2	CC-7-1-3	CC-7-1-4	CC-7-1-5
	Depth	12	24	15	10	27
	Aliquot	CC-7-2-1	CC-7-2-2	CC-7-2-3	CC-7-2-4	CC-7-2-5
	Depth	20	12	6	24	8
Choccolocco Creek 9 (CC-9)	Aliquot	CC-9-1-1	CC-9-1-2	CC-9-1-3	CC-9-1-4	CC-9-1-5
	Depth	22	24	6	12	12
	Aliquot	CC-9-2-1	CC-9-2-2	CC-9-2-3	CC-9-2-4	CC-9-2-5
	Depth	10	18	20	24	16
Choccolocco Creek 23 (CC-23)	Aliquot	CC-23-1-1	CC-23-1-2	CC-23-1-3	CC-23-1-4	CC-23-1-5
	Depth	12	12	18	10	12
	Aliquot	CC-23-2-1	CC-23-2-2	CC-23-2-3	CC-23-2-4	CC-23-2-5
	Depth	12	14	18	18	15
	Aliquot	CC-23-3-1	CC-23-3-2	CC-23-3-3	CC-23-3-4	CC-23-3-5
	Depth	24	6	12	18	6-24
	Aliquot	CC-23-4-1	CC-23-4-2	CC-23-4-3	CC-23-4-4	CC-23-4-5
	Depth	18	8	12	24	6-24
	Aliquot	CC-23-5-1	CC-23-5-2	CC-23-5-3	CC-23-5-4	CC-23-5-5
	Depth	24	15	20	15	24
	Aliquot	CC-23-6-1	CC-23-6-2	CC-23-6-3	CC-23-6-4	CC-23-6-5
	Depth	12	15	12	15	18

Table 2. Sample Locations and Depths (inches), Dredge Spoil Areas, Snow and Choccolocco Creeks, Calhoun and Talledega Counties, AL.

Dredge Spoil Area

Choccolocco Creek 24 (CC-24)	Aliquot	CC-24-1-1	CC-24-1-2	CC-24-1-3	CC-24-1-4	CC-24-1-5
	Depth	5	12	15	18	24
	Aliquot	CC-24-2-1	CC-24-2-2	CC-24-2-3	CC-24-2-4	CC-24-2-5
	Depth	8	18	24	12	6
	Aliquot	CC-24-3-1	CC-24-3-2	CC-24-3-3	CC-24-3-4	CC-24-3-5
	Depth	18	24	12	30	8
	Aliquot	CC-24-4-1	CC-24-4-2	CC-24-4-3	CC-24-4-4	CC-24-4-5
	Depth	8	12	18	15	6
	Aliquot	CC-24-5-1	CC-24-5-2	CC-24-5-3	CC-24-5-4	CC-24-5-5
	Depth	24	24	8	12	8
	Aliquot	CC-24-6-1	CC-24-6-2	CC-24-6-3	CC-24-6-4	CC-24-6-5
	Depth	6	15	12	15	8
	Aliquot	CC-24-7-1	CC-24-7-2	CC-24-7-3	CC-24-7-4	CC-24-7-5
	Depth	10	24	12	6	4
	Aliquot	CC-24-8-1	CC-24-8-2	CC-24-8-3	CC-24-8-4	CC-24-8-5
	Depth	24	6	6	12	12
	Aliquot	CC-24-9-1	CC-24-9-2	CC-24-9-3	CC-24-9-4	CC-24-9-5
	Depth	8	18	15	15	12
	Aliquot	CC-24-10-1	CC-24-10-2	CC-24-10-3	CC-24-10-4	CC-24-10-5
	Depth	12	8	12	15	6

Table 2. Sample Locations and Depths (inches), Dredge Spoil Areas, Snow and Choccolocco Creeks, Calhoun and Talledega Counties, AL.

Dredge Spoil Area

Choccolocco Creek 24 (CC-24)	Aliquot	CC-24-11-1	CC-24-11-2	CC-24-11-3	CC-24-11-4	CC-24-11-5
	Depth	12	10	16	12	8
Choccolocco Creek 26 (CC-26)	Aliquot	CC-26-1-1	CC-26-1-2	CC-26-1-3	CC-26-1-4	CC-26-1-5
	Depth	15	18	18	12	24
	Aliquot	CC-26-2-1	CC-26-2-2	CC-26-2-3	CC-26-2-4	CC-26-2-5
	Depth	30	27	24	6	18
Choccolocco Creek 29 (CC-29)	Aliquot	CC-29-1-1	CC-29-1-2	CC-29-1-3	CC-29-1-4	CC-29-1-5
	Depth	24	30	24	12	8
	Aliquot	CC-29-2-1	CC-29-2-2	CC-29-2-3	CC-29-2-4	CC-29-2-5
	Depth	24	18	12	24	18
	Aliquot	CC-29-3-1	CC-29-3-2	CC-29-3-3	CC-29-3-4	CC-29-3-5
	Depth	30	20	12	15	18
	Aliquot	CC-29-4-1	CC-29-4-2	CC-29-4-3	CC-29-4-4	CC-29-4-5
	Depth	6	24	15	15	18

Table 3. Soil Analyses, Dredge Spoil Areas, Snow and Choccolocco Creeks, Calhoun and Talledega Counties, AL. Page 1 of 3

Area	Sample I.D.	Arochlor 1016 (mg/Kg)	Arochlor 1221 (mg/Kg)	Arochlor 1232 (mg/Kg)	Arochlor 1242 (mg/Kg)	Arochlor 1248 (mg/Kg)	Arochlor 1254 (mg/Kg)	Arochlor 1260 (mg/Kg)	Total PCBs (mg/Kg)	Mercury (mg/Kg)
Snow Creek										
SC-1	SC-1	<0.700	<1.400	<0.700	<0.700	2.200	12.000	5.400	19.600	0.25
SC-3	SC-3	<0.720	<1.400	<0.720	<0.720	3.300	15.000	6.600	24.900	0.20
SC-4	SC-4-1	<0.350	<0.710	<0.350	<0.350	2.300	7.700	3.800	13.800	NA
	SC-4-2	<0.700	<1.400	<0.700	<0.700	2.300	9.700	5.400	17.400	NA
SC-5	SC-5-1	<0.720	<1.400	<0.720	<0.720	<0.720	9.500	4.700	14.200	NA
	SC-5-2	<3.600	<7.300	<3.600	<3.600	29.000	43.000	16.000	88.000	NA
SC-6	SC-6-1	<0.720	<1.400	<0.720	<0.720	2.900	12.000	5.000	19.900	NA
	SC-6-2	<3.800	<7.600	<3.800	<3.800	<3.800	21.000	9.300	30.300	NA
SC-7	SC-7-1	<0.370	<0.750	<0.370	<0.370	<0.370	2.800	1.800	4.600	NA
	SC-7-2	<0.037	<0.075	<0.037	<0.037	0.044	0.440	0.780	1.264	NA
	SC-7-3	<0.038	<0.077	<0.038	<0.038	0.052	0.640	0.840	1.532	NA
	SC-7-4	<0.038	<0.076	<0.038	<0.038	0.067	0.580	0.470	1.117	0.19
	SC-7-5	<0.037	<0.075	<0.037	<0.037	<0.037	0.240	0.280	0.520	NA
	SC-7-6	<0.370	<0.750	<0.370	<0.370	0.980	1.800	2.500	5.280	NA
	SC-7-7	<0.180	<0.370	<0.180	<0.180	0.340	0.580	0.760	1.680	NA
	SC-7-8	<0.072	<0.150	<0.072	<0.072	0.270	0.600	0.630	1.500	NA
	SC-7-9	<1.800	<3.700	<1.800	<1.800	4.700	7.900	6.400	19.000	NA
SC-8	SC-8-1	<0.036	<0.074	<0.036	<0.036	0.190	0.470	0.510	1.170	0.27
	SC-8-2	<1.800	<3.600	<1.800	<1.800	6.200	13.000	9.500	28.700	NA
	SC-8-3	<0.076	<0.150	<0.076	<0.076	0.340	1.000	0.860	2.200	NA
	SC-8-4	<0.038	<0.077	<0.038	<0.038	0.140	0.290	0.320	0.750	NA
	SC-8-5	<0.073	<0.150	<0.073	<0.073	0.530	1.100	1.000	2.630	NA
	SC-8-6	<0.380	<0.760	<0.380	<0.380	1.500	3.100	2.200	6.800	NA
	SC-8-7	<0.750	<1.500	<0.750	<0.750	3.200	5.700	5.100	14.000	NA

NA=Not Analyzed.
mg/Kg = milligrams per kilogram or parts per million
<X.XXX = laboratory detection limit

Table 3. Soil Analyses, Dredge Spoil Areas, Snow and Choccolocco Creeks, Calhoun and Talledega Counties, AL. Page 2 of 3

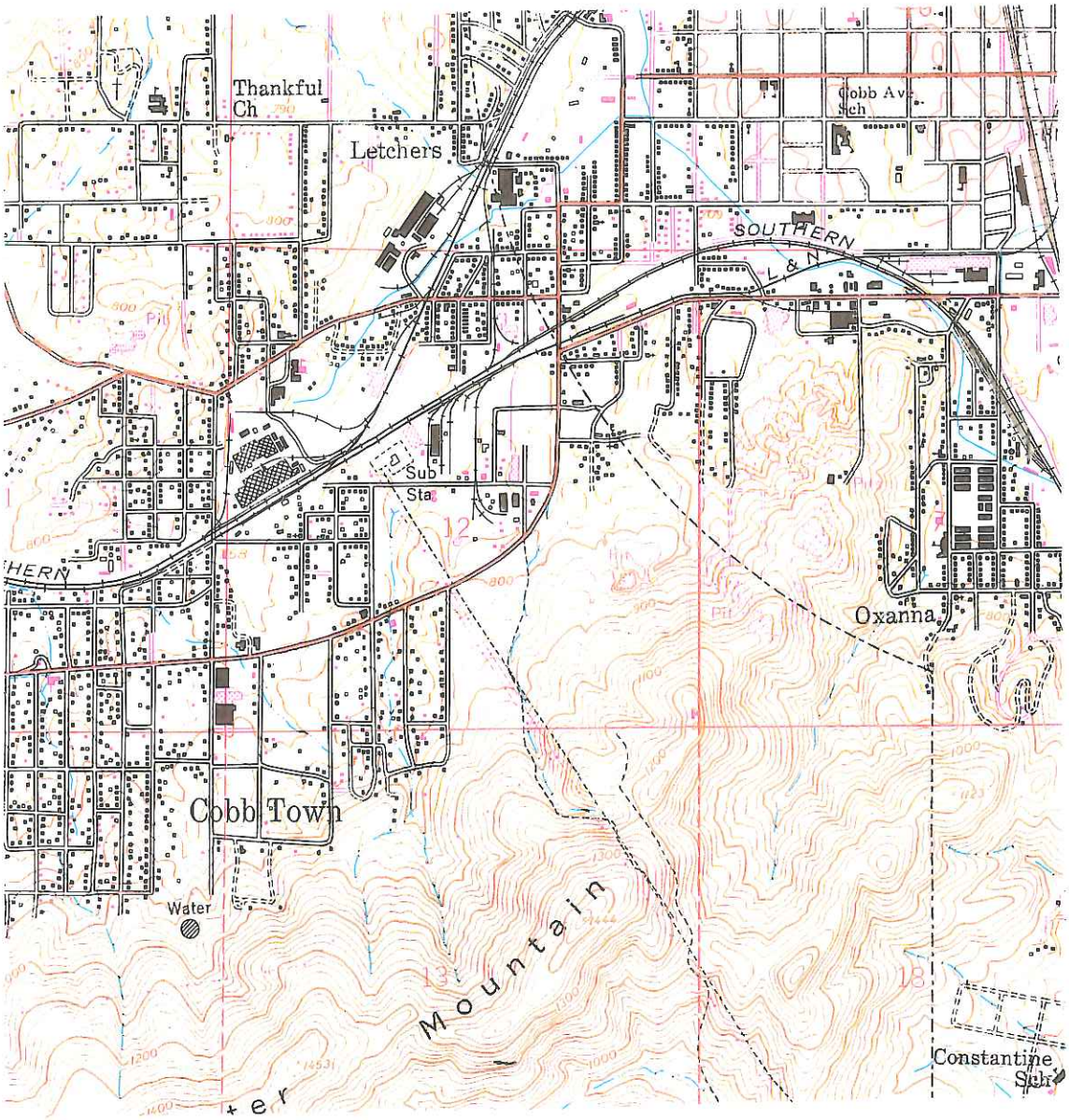
Area	Sample I.D.	Arochlor 1016 (mg/Kg)	Arochlor 1221 (mg/Kg)	Arochlor 1232 (mg/Kg)	Arochlor 1242 (mg/Kg)	Arochlor 1248 (mg/Kg)	Arochlor 1254 (mg/Kg)	Arochlor 1260 (mg/Kg)	Total PCBs (mg/Kg)	Mercury (mg/Kg)
Snow Creek										
SC-8	SC-8-8	<0.380	<0.760	<0.380	<0.380	1.100	2.300	2.000	5.400	NA
	SC-8-9	<0.370	<0.750	<0.370	<0.370	2.000	3.600	4.300	9.900	NA
	SC-8-10	<1.900	<3.800	<1.900	<1.900	8.400	16.000	9.800	34.200	NA
	SC-8-11	<1.900	<3.800	<1.900	<1.900	7.000	25.000	14.000	46.000	NA
	SC-8-20	<1.800	<3.700	<1.800	<1.800	6.000	12.000	9.100	27.100	NA
Choccolocco Creek										
CC-7	7-1	<0.180	<0.380	<0.180	<0.180	0.620	0.990	0.760	2.370	NA
	7-2	<0.038	<0.077	<0.038	<0.038	0.240	0.440	0.700	1.380	1.0
CC-9	9-1	<0.035	<0.071	<0.035	<0.035	0.130	0.130	0.140	0.400	3.9
	9-2	<0.036	<0.072	<0.036	<0.036	0.062	0.110	0.130	0.302	NA
	9-20	<0.035	<0.071	<0.035	<0.035	0.083	0.140	0.190	0.413	NA
CC-23	23-1	<0.360	<0.720	<0.360	<0.360	0.780	1.800	1.700	4.280	NA
	23-2	<0.390	<0.800	<0.390	<0.390	1.300	2.800	2.300	6.400	NA
	23-3	<0.072	<0.140	<0.072	<0.072	0.370	0.800	0.800	1.970	NA
	23-4	<0.190	<0.380	<0.190	<0.190	0.660	1.700	1.500	3.860	NA
	23-5	<0.760	<1.500	<0.760	<0.760	<0.760	6.100	4.700	10.800	0.65
	23-6	<0.380	<0.770	<0.380	<0.380	0.470	2.900	3.400	6.770	NA
CC-24	24-1	<0.170	<0.350	<0.170	<0.170	0.450	0.890	0.720	2.060	NA
	24-2	<0.180	<0.360	<0.180	<0.180	0.590	1.600	1.500	3.690	NA
	24-3	<0.370	<0.750	<0.370	<0.370	1.300	3.400	3.100	7.800	NA
	24-4	<0.200	<0.400	<0.200	<0.200	0.920	2.000	2.000	4.920	NA
	24-5	<0.069	<0.140	<0.069	<0.069	0.330	0.460	0.380	1.170	NA
	24-6	<0.180	<0.360	<0.180	<0.180	0.410	0.650	0.660	1.720	NA

NA=Not Analyzed.
mg/Kg = milligrams per kilogram or parts per million
<X.XXX = laboratory detection limit

Table 3. Soil Analyses, Dredge Spoil Areas, Snow and Choccolocco Creeks, Calhoun and Talledega Counties, AL. Page 3 of 3

Area	Sample I.D.	Arochlor 1016 (mg/Kg)	Arochlor 1221 (mg/Kg)	Arochlor 1232 (mg/Kg)	Arochlor 1242 (mg/Kg)	Arochlor 1248 (mg/Kg)	Arochlor 1254 (mg/Kg)	Arochlor 1260 (mg/Kg)	Total PCBs (mg/Kg)	Mercury (mg/Kg)
Choccolocco Creek										
CC-24	24-7	<0.360	<0.730	<0.360	<0.360	0.840	1.400	1.400	3.640	NA
	24-8	<0.760	<1.500	<0.760	<0.760	1.700	3.500	3.700	8.900	NA
	24-9	<0.360	<0.740	<0.360	<0.360	0.770	1.700	1.900	4.370	NA
	24-10	<0.350	<0.720	<0.350	<0.350	0.550	2.100	2.000	4.650	2.0
	24-11	<0.180	<0.360	<0.180	<0.180	0.610	0.930	0.750	2.290	NA
	24-20	<0.830	<1.700	<0.830	<0.830	1.200	2.500	2.600	6.300	NA
CC-26	26-1	<0.190	<0.380	<0.190	<0.190	1.500	1.500	0.930	3.930	2.6
	26-2	<0.170	<0.360	<0.170	<0.170	0.360	0.560	0.630	1.550	NA
CC-29	29-1	<0.190	<0.380	<0.190	<0.190	0.510	0.820	0.640	1.970	NA
	29-2	<0.370	<0.750	<0.370	<0.370	1.400	2.000	1.200	4.600	NA
	29-3	<0.076	<0.150	<0.076	<0.076	1.100	0.750	0.600	2.450	3.6
	29-4	<0.180	<0.370	<0.180	<0.180	0.660	1.500	1.100	3.260	NA

NA=Not Analyzed.
mg/Kg = milligrams per kilogram or parts per million
<XXX = laboratory detection limit



SOURCE:
U.S.G.S ANNISTON, ALABAMA
QUADRANGLE 1975
7.5 MINUTES SERIES (TOPOGRAPHIC)

Title:

SITE LOCATION MAP

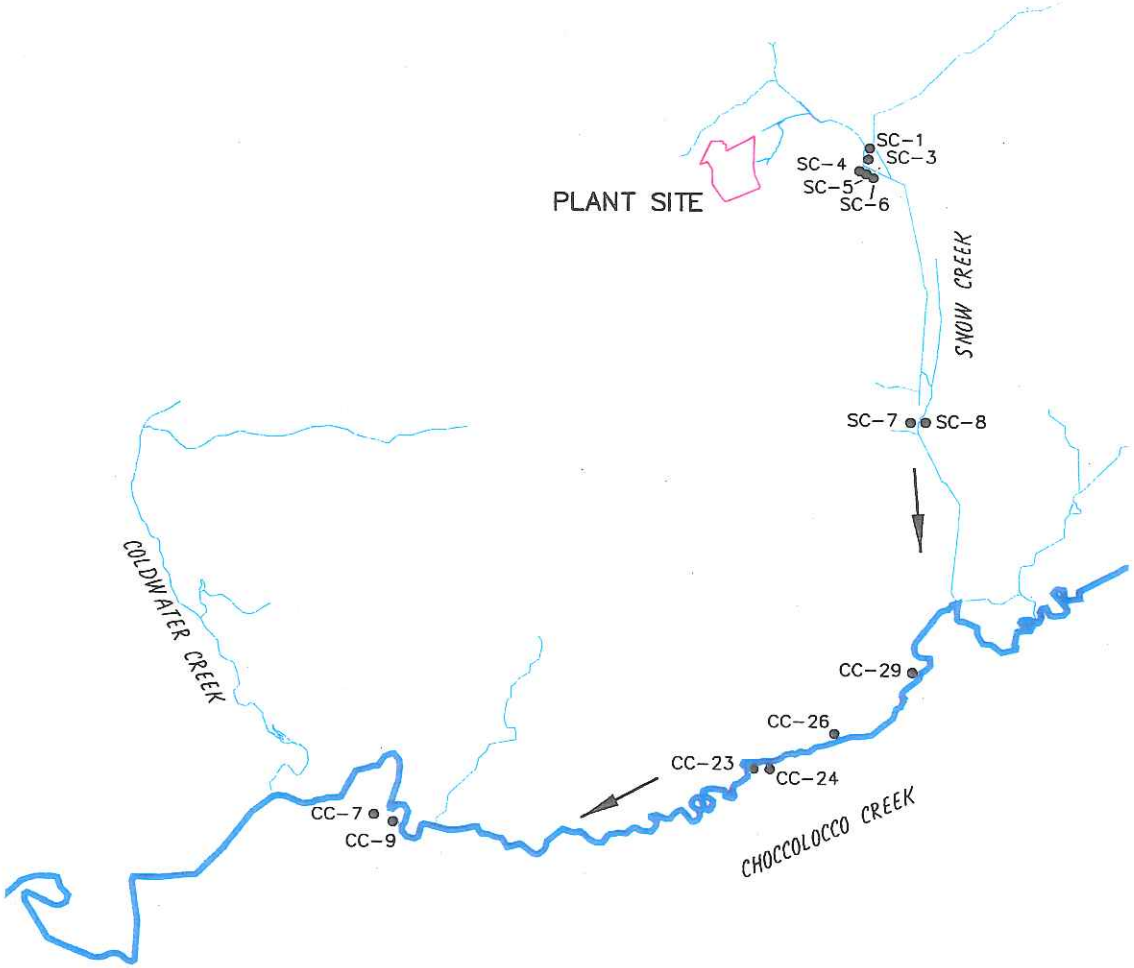
ANNISTON, ALABAMA

Prepared For:

SOLUTIA, INC.

ROUX ASSOCIATES INC Environmental Consulting & Management	Compiled by: J.L.S.	Date: 8/99	Figure 1
	Prepared by: M.J.S	Scale: SHOWN	
	Project Mgr: J.R.L.	Revision: FINAL	
	Proj No: 06638T04	File No: 38T04.1	

Figure 2 - Locations of Dredge Spoil Areas



LEGEND

SC-8	SNOW CREEK DREDGE SPOIL PILE
CC-24	CHOCCOLOCCO CREEK DREDGE SPOIL PILE
	DIRECTION OF FLOW

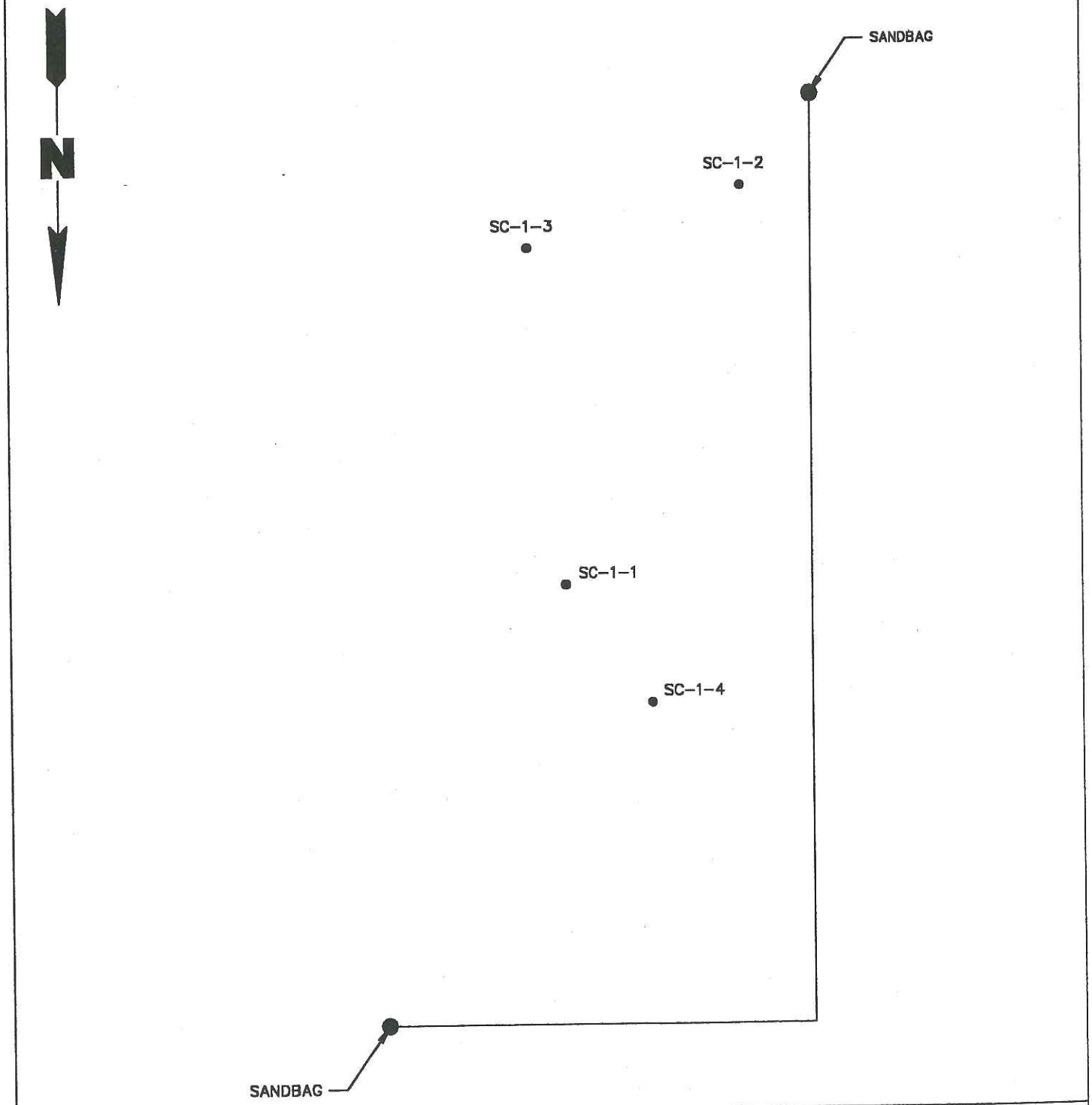
NOTES:

1. MAPPING DERIVED FROM DATA PROVIDED BY O'BRIEN & GERE, INC. BASED ON USGS 1/100,000 DLG DATA AND U.S. CENSUS BUREAU 1990 TIGER DATA. PORTIONS REVISED BASED ON USGS 7.5 MINUTE QUADRANGLES.
2. DREDGE SOIL AREAS BASED ON GPS SURVEY CONDUCTED BY GOLDER ASSOCIATES, INC., ARE APPROXIMATE ONLY.

0 2 MILES

GRAPHIC SCALE

10209003/10209SM2.DWG 7/20/99 SYR-54-RLP AK NES P: FRY700AL L: ON=*, OFF=*REF



Title:

SAMPLING LOCATIONS
DREDGE SPOIL AREA SC-1

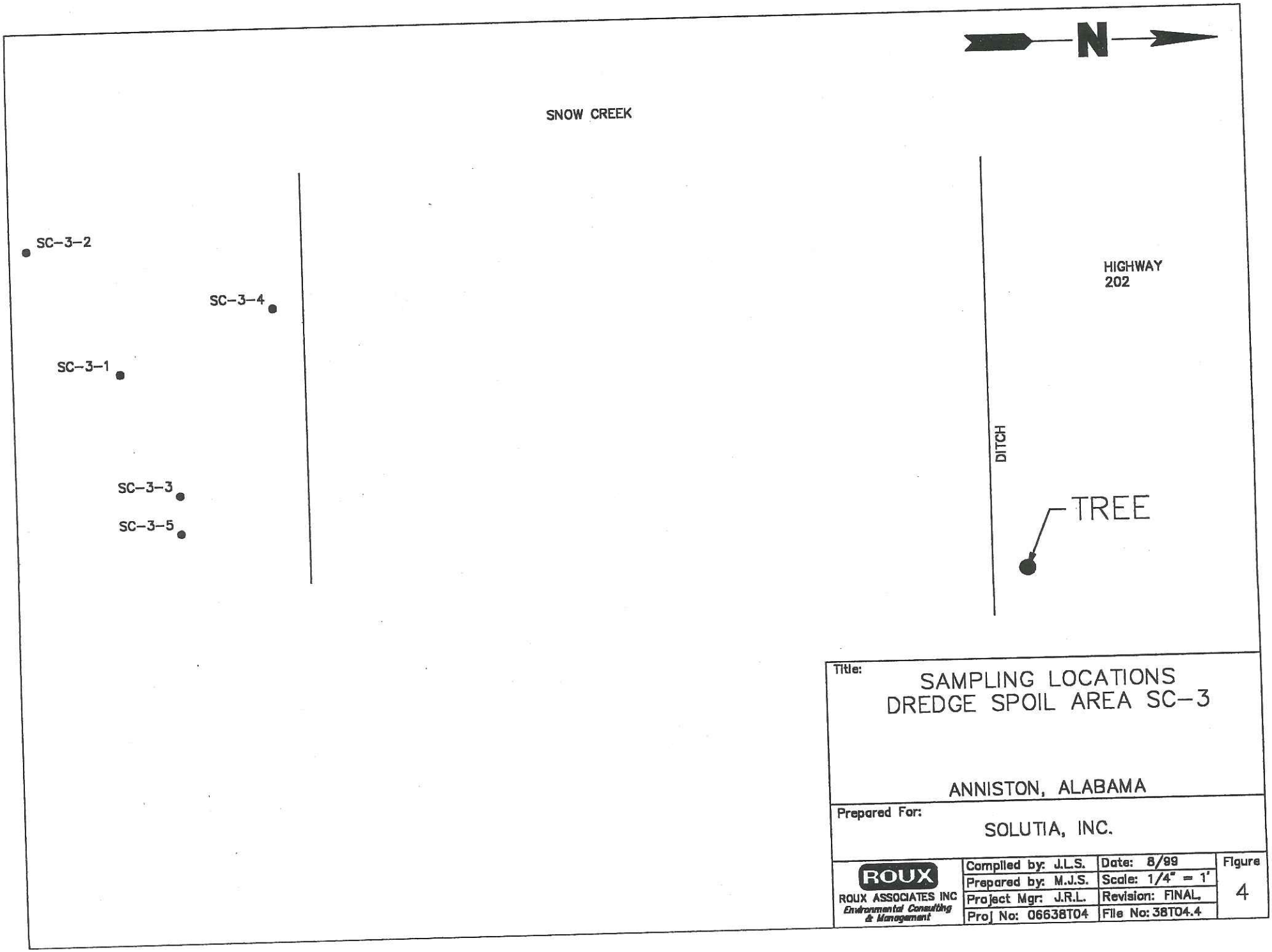
ANNISTON, ALABAMA

Prepared For:

SOLUTIA, INC.

ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99	Figure
Prepared by: M.J.S.	Scale: 1/8" = 1'	3
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No: 38T04.3	



Title:

SAMPLING LOCATIONS
DREDGE SPOIL AREA SC-3

ANNISTON, ALABAMA

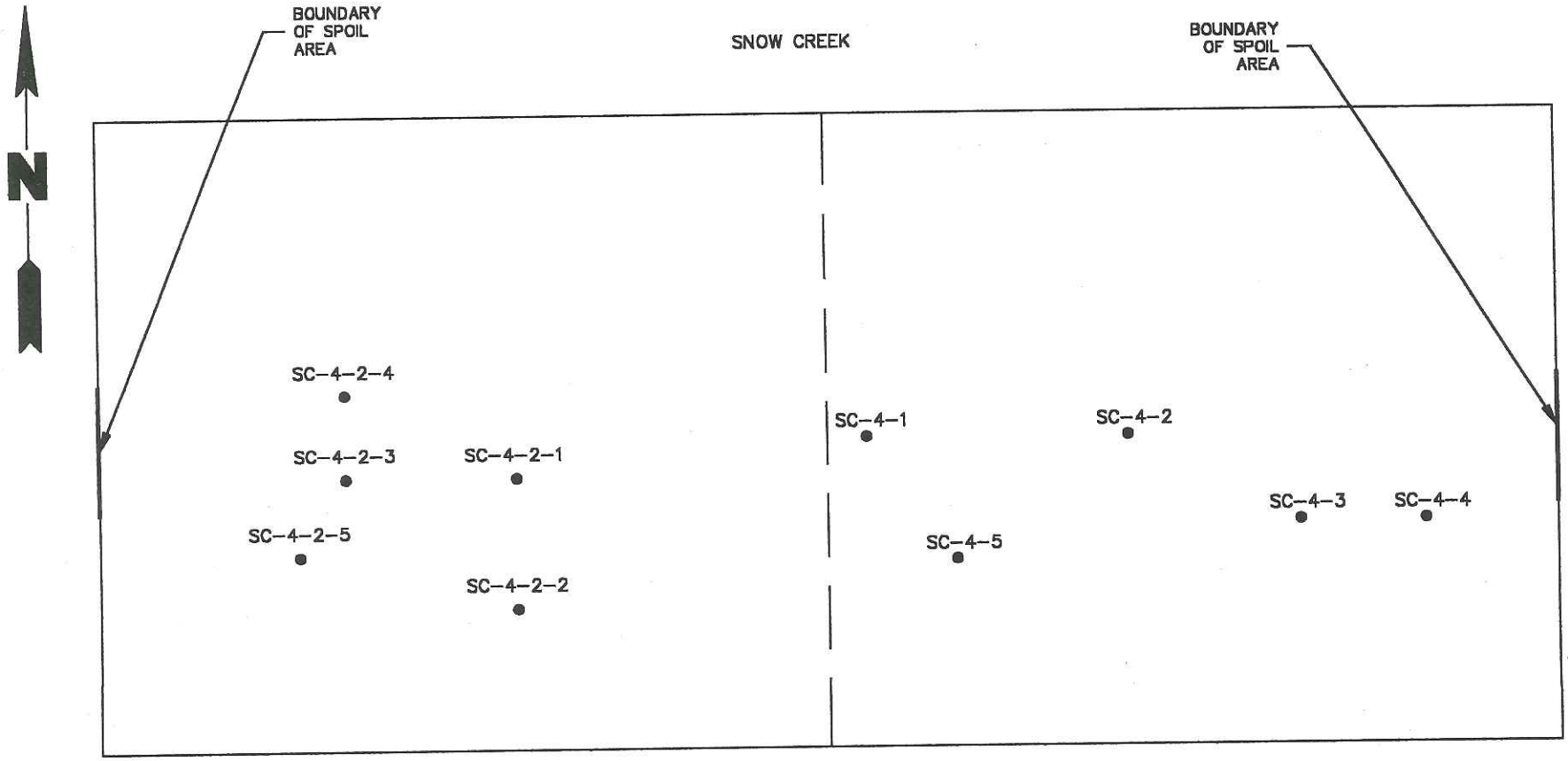
Prepared For:

SOLUTIA, INC.

ROUX
ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99
Prepared by: M.J.S.	Scale: 1/4" = 1'
Project Mgr: J.R.L.	Revision: FINAL
Proj No: 06638T04	File No: 38T04.4

Figure 4



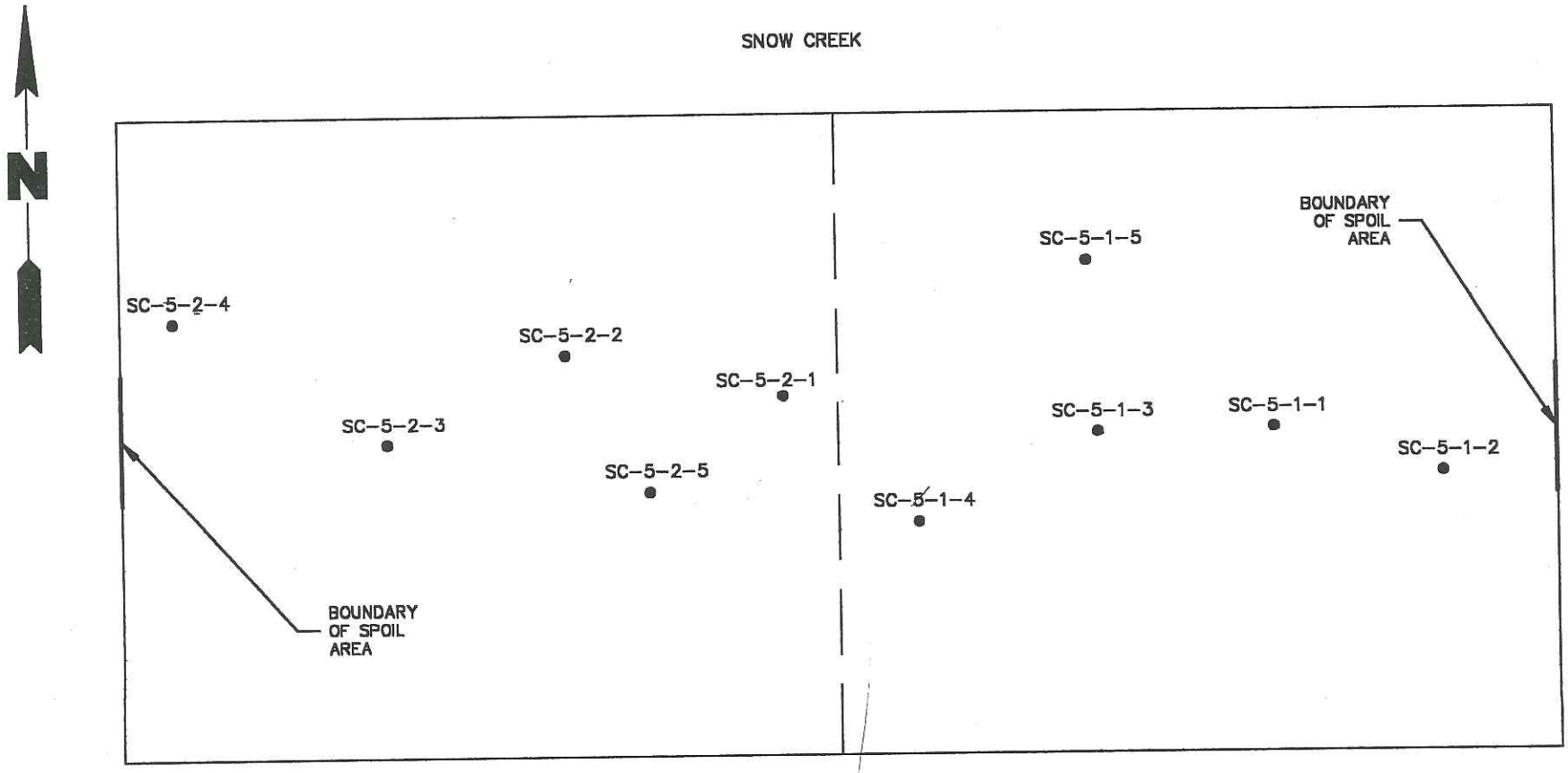
Title: SAMPLING LOCATIONS
DREDGE SPOIL AREA SC-4

ANNISTON, ALABAMA

Prepared For:
SOLUTIA, INC.

ROUX
ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99	Figure
Prepared by: M.J.S.	Scale: 1/4" = 1'	5
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No: 38T04.5	



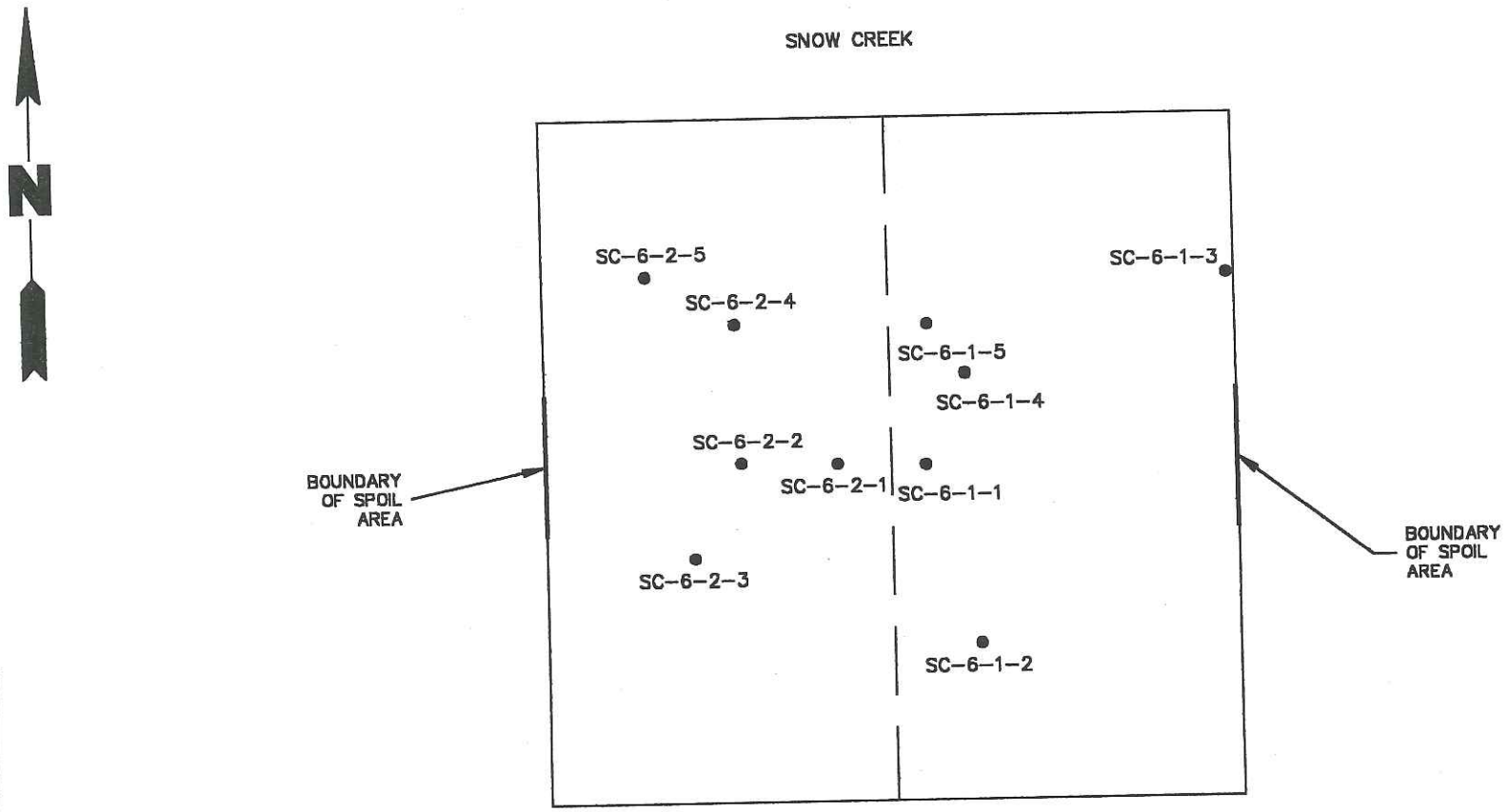
Title: SAMPLING LOCATIONS
DREDGE SPOIL AREA SC-5

ANNISTON, ALABAMA

Prepared For:
SOLUTIA, INC.

ROUX
ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99	Figure
Prepared by: M.J.S.	Scale: 1/4" = 1'	6
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No: 38T04.6	



Title: SAMPLING LOCATIONS
DREDGE SPOIL AREA SC-6

ANNISTON, ALABAMA

Prepared For:
SOLUTIA, INC.

ROUX
ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99	Figure 7
Prepared by: M.J.S.	Scale: 1/4" = 1'	
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No: 38T04.7	

N

SC-7-9

SC-7-8

SC-7-7

SC-7-6

SC-7-5

SC-7-4

SC-7-3

SC-7-2

SC-7-1

EVERGREEN CLOSEST TO CREEK

RAILROAD TRACKS

Title:

SAMPLING LOCATIONS
DREDGE SPOIL AREA SC-7

ANNISTON, ALABAMA

Prepared For:

SOLUTIA, INC.

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Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99
Prepared by: M.J.S.	Scale: 1"=50'
Project Mgr: J.R.L.	Revision: FINAL
Proj No: 06638T04	File No: 38T04.8

Figure 8

N

SC-8-11
SC-8-10
SC-8-9
SC-8-8
SC-8-7
SC-8-6
SC-8-5
SNOW CREEK
(APPROXIMATE BANK)
SC-8-4
SC-8-3
SC-8-2
SC-8-1
OPENING IN WOODS
YELLOW CONTROL BOX
RAILROAD
BRIDGE

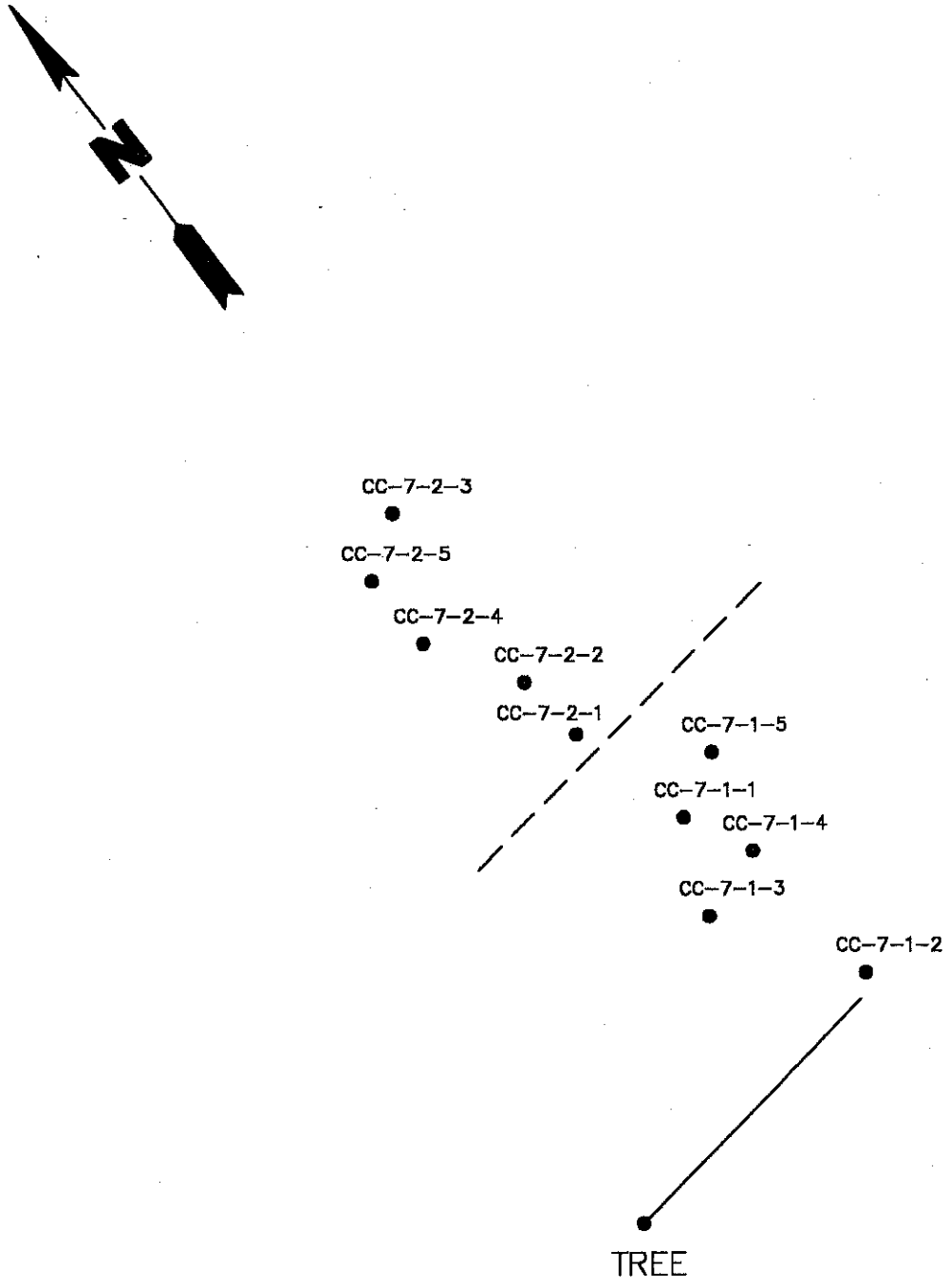
Title:
SAMPLING LOCATIONS
DREDGE SPOIL AREA SC-8

ANNISTON, ALABAMA

Prepared For:
SOLUTIA, INC.

ROUX
ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99	Figure 9
Prepared by: M.J.S.	Scale: 1"=50'	
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No: 38T04.9	



Title:

SAMPLING LOCATIONS
DREDGE SPOIL AREA CC-7

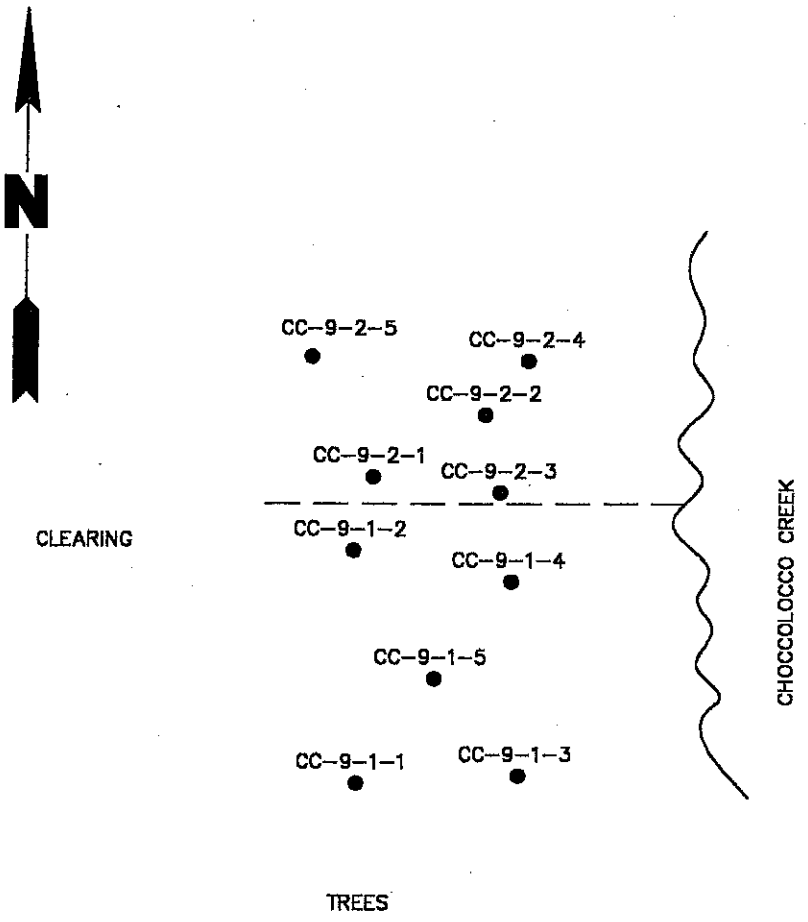
TALLADEGA COUNTY, ALABAMA

Prepared For:

SOLUTIA, INC.

ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99	Figure 10
Prepared by: M.J.S.	Scale: 1"=25'	
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No:38T04.10	



Title:

SAMPLING LOCATIONS
DREDGE SPOIL AREA CC-9

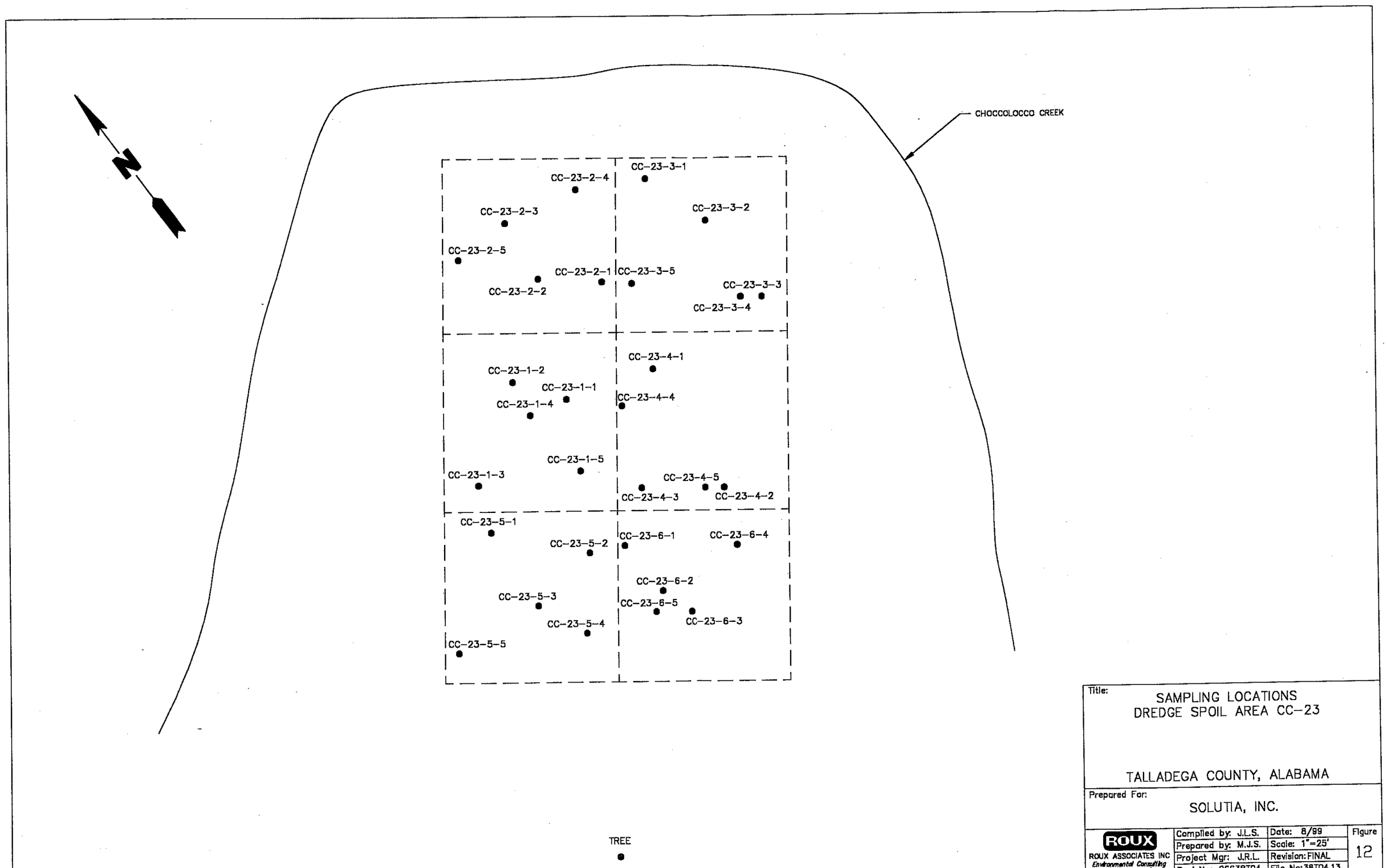
TALLADEGA COUNTY, ALABAMA

Prepared For:

SOLUTIA, INC.

ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99	Figure 11
Prepared by: M.J.S.	Scale: 1"=25'	
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No: 38T04.11	



Title:
SAMPLING LOCATIONS
DREDGE SPOIL AREA CC-23

TALLADEGA COUNTY, ALABAMA

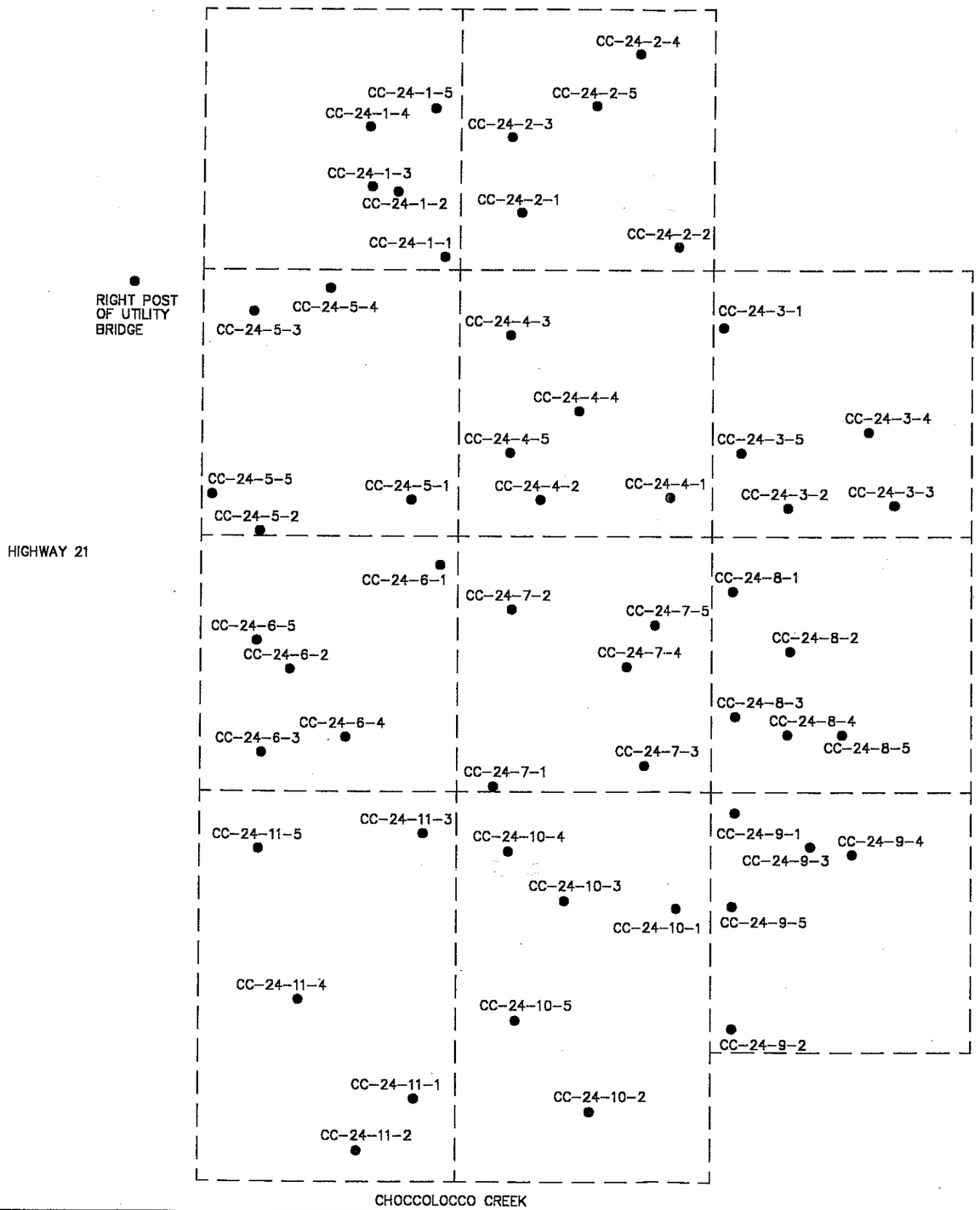
Prepared For:
SOLUTIA, INC.

ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99
Prepared by: M.J.S.	Scale: 1"=25'
Project Mgr: J.R.L.	Revision: FINAL
Proj No: 06638T04	File No:38T04.13

Figure 12

N



Title:

SAMPLING LOCATIONS
DREDGE SPOIL AREA CC-24

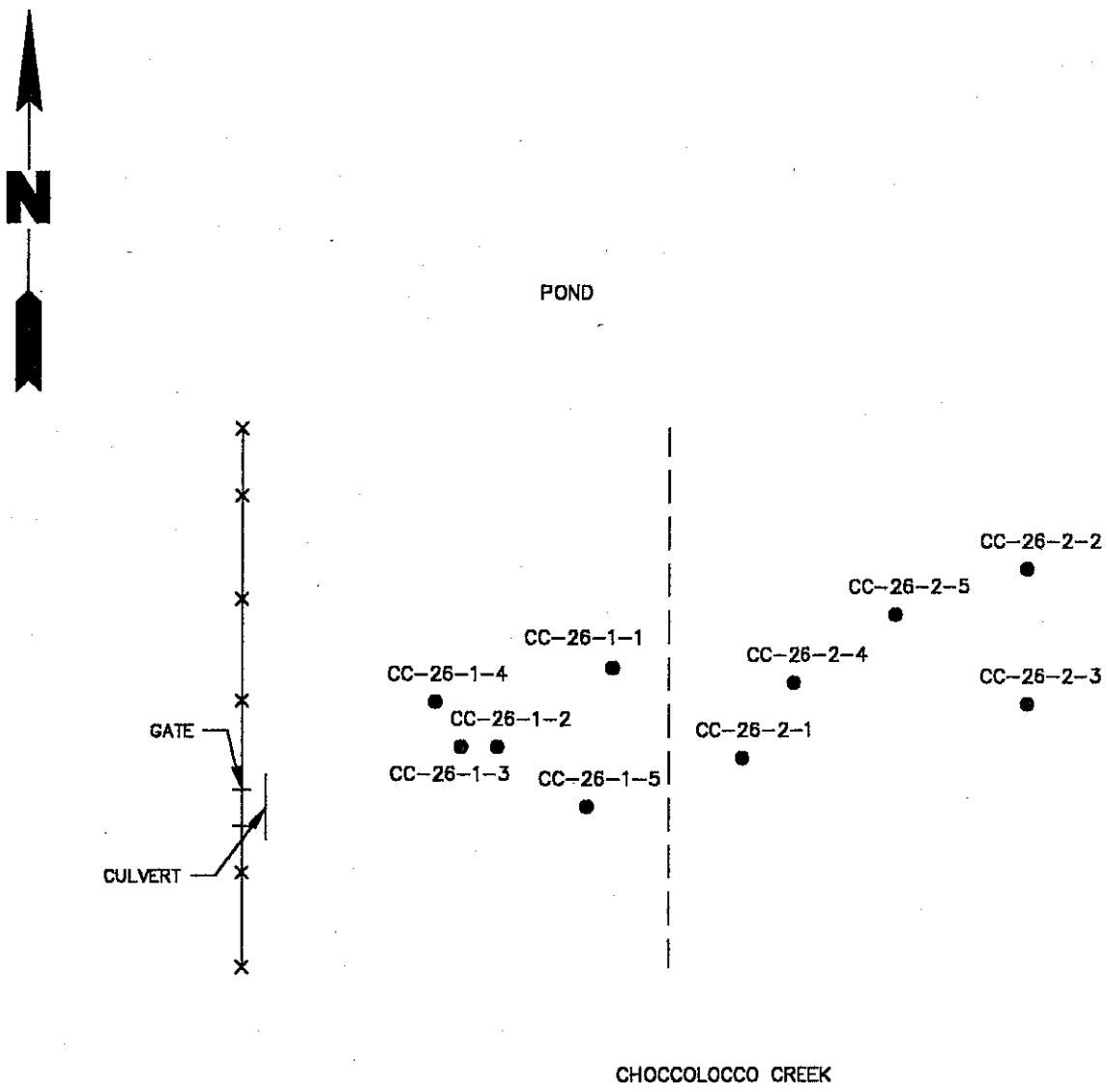
TALLADEGA COUNTY, ALABAMA

Prepared For:

SOLUTIA, INC.

ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99	Figure
Prepared by: M.J.S.	Scale: 1"=25'	13
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No:38T04.12	



Title:

SAMPLING LOCATIONS
DREDGE SPOIL AREA CC-26

CALHOUN COUNTY, ALABAMA

Prepared For:

SOLUTIA, INC.

ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99	Figure
Prepared by: M.J.S.	Scale: 1"=25'	14
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No: 38T04.14	

N

CHOCCOLOCCO CREEK

DIRT PILE

CC-29-1-1
CC-29-1-3
CC-29-1-4
CC-29-1-2
CC-29-1-5
CC-29-2-1
CC-29-2-4
CC-29-2-2
CC-29-2-3
CC-29-2-5
CC-29-3-5
CC-29-3-4
CC-29-3-3
CC-29-3-2
CC-29-3-2
CC-29-4-4
CC-29-4-2
CC-29-4-1
CC-29-4-5
CC-29-4-3

DIRT PILE

Title:
SAMPLING LOCATIONS
DREDGE SPOIL AREA CC-29

CALHOUN COUNTY, ALABAMA

Prepared For:
SOLUTIA, INC.

ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99	Figure 15
Prepared by: M.J.S.	Scale: 1"=25'	
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No: 38T04.15	

APPENDIX A

REVISED DREDGE SPOIL AREA RFI/CS WORK PLAN

REVISED DREDGE SPOIL AREA RFI/CS WORK PLAN
Snow and Choccolocco Creeks
Calhoun and Talladega Counties, Alabama

Solutia Inc. – Anniston Facility
USEPA I.D. No. ALD 004 019 048

September 13, 1999

Solutia Inc.
300 Birmingham Highway
Anniston, Alabama 36201

CONTENTS

TABLES

1.0 INTRODUCTION

In October 1998, Solutia Inc. (Solutia) submitted to the Alabama Department of Environmental Management (ADEM) a *Dredge Spoil Area Evaluation Report* that described Solutia's efforts to locate and evaluate dredge spoil areas along Snow and Choccolocco Creeks in Calhoun and Talladega Counties, Alabama. This report also presented recommendations to ensure the future stability of these areas. ADEM, by correspondence dated April 19, 1999, has requested that Solutia prepare a work plan to address sampling at each dredge spoil area.

2.0 SCOPE OF WORK

The *Dredge Spoil Area Evaluation Report* identified eight (8) dredge spoil areas along Snow Creek and 19 dredge spoil areas along Choccolocco Creek, for a total of 27 areas. In a letter to ADEM dated April 24, 1999 Solutia proposed that three (3) of the dredge spoil areas along Snow Creek (Areas 4, 5, and 6) be removed to permit the City of Anniston to carry out erosion control measures in the near future and that the areas be sampled prior to removal. The 27 dredge spoil areas will be sampled for polychlorinated biphenyls (PCBs) and mercury, as requested by ADEM, in two phases. Phase 1 sampling will include areas to be removed by the City of Anniston; areas to be stabilized, as identified in the *Dredge Spoil Area Evaluation Report*; and stable areas that are less than 25 feet from Snow or Choccolocco Creeks. These areas are Snow Creek Areas 1, 3, 4, 5, 6, 7, and 8; and Choccolocco Creek Areas 7, 9, 23, 24, 26 and 29. The remaining 14 areas will be sampled in Phase 2 as part of the pending flood plain phase of the Off-Site RFI/CS investigation.

3.0 SAMPLING STRATEGY

Twenty-four (24) dredge spoil areas will be sampled in two (2) phases. The location, size, and distance of each area from either Snow or Choccolocco Creek are provided in Table 1. A 50-feet by 50-feet grid was used to determine the number of samples to be collected from each area. A fifty-feet grid spacing was selected to provide representative samples from dredge spoil areas which vary widely in size. Each area was approximated as a rectangle. The maximum length and width of the areas were used as the length and width of the rectangle. The maximum number of samples for each area was defined as

the number of squares of the grid that fell within the rectangle. The squares of the grid represent the boundaries for composite sampling. Each grid sample will be a composite sample consisting of five (5) aliquots of sediment collected at randomly selected locations and depths within the composite boundaries. The maximum number of samples for each area is indicated on Table 1.

Seven areas, Snow Creek Areas 1,2, 3, and 7 and Choccolocco Creek Areas 7, 28B, and 29 are too small to fit within the grid spacing selected. One composite sample will be taken from each of the following areas: Snow Creek Areas 1 through 3, at randomly selected locations and depths at each area. Two (2) composite samples will be taken from Choccolocco Creek Areas 7 and 28B at randomly selected locations and depths. Four (4) composite samples will be taken from Choccolocco Creek Area 29 at randomly selected locations and depths. Nine (9) composite samples will be taken from Snow Creek Area 7 at randomly selected locations and depths. All composite locations will be determined from a known location at each area.

Snow Creek Areas 4, 5, and 6 will be handled differently than the other dredge spoil areas because they are scheduled to be removed by the City of Anniston. Two (2) composite samples of five (5) aliquots each will be taken from each of these areas for waste characterization purposes.

4.0 SAMPLING METHODS

Samples will be collected according to methods described in the Off-Site RFI/CS Work Plan (March 1999). All health and safety, sample handling, documentation, and custody procedures described in this plan will be followed.

5.0 SAMPLE ANALYSIS

All composited samples, duplicates, and blanks will be analyzed for PCBs by USEPA Method SW846 8082. In addition, one composite sample from each dredge spoil area will be analyzed for total mercury by USEPA Method SW846 6010B, with the exception of Snow Creek Areas 4, 5, and 6. All analyses will be conducted as presented in the Off-

Site RFI/CS Work Plan. All data collection, management, review, validation and verification procedures included in the Off-Site RFI/CS Work Plan will be followed.

6.0 SCHEDULE AND REPORTING

Phase 1 sampling will commence within 30 days of ADEM approval of this work plan and receipt of access agreements from affected property owners, whichever is later. Phase 1 sampling will be completed within two (2) weeks. Laboratory analyses will be completed within six (6) weeks of the completion of sampling. Data review, validation, and verification and a report of the results for Phase 1 sampling will be completed within six (6) weeks of receipt of laboratory data. The schedule for Phase 2 sampling will be included in the pending flood plain investigation work plan to be submitted later this year.

The Dredge Spoil Area Phase 1 Sampling Final Report will describe all sampling locations, methods and results. Sample locations will be identified with sufficient detail to allow additional sampling of individual piles if determined necessary. Sample locations and results will be summarized in a table and presented on appropriate figures for documentation purposes. Copies of all analytical results and chain-of-custody forms will be included as an appendix.

Table 1. Dredge Spoil Area Sample Information, Snow and Choccolocco Creeks, Calhoun and Talladega Counties, Alabama.

Dredge Spoil Area	Location Lat. (° N) / Long. (°W)	Distance From Bank (ft)	Height/Depth (H/D) (ft)	Area (length x width) (ft x ft)	Maximum Number of Samples
Snow Creek					
Area 1	33° 39' 17.9800" / 85° 50' 13.1877"	26.6	H ~ 6	57 x 30	1
Area 2	33° 39' 18.0002" / 85° 50' 14.3286"	30	H = 3	50 x 27	1
Area 3	33° 39' 14.1785" / 85° 50' 14.2223"	0	H = 7	40 x 13	1
Area 7	33° 37' 24.7975" / 85° 49' 46.9691"	0	H = 3	450 x 40	9
Area 8	33° 37' 24.8565" / 85° 49' 46.3722"	0	H = 3	550 x 80	11
Choccolocco Creek					
Area 1	33° 34' 48.9501" / 85° 54' 49.7044"	70	D = 4	130 x 100	4
Area 4	33° 34' 59.9733" / 85° 53' 59.5825"	75	D = 3 to 5	100 x 85	2
Area 5	33° 34' 52.4686" / 85° 54' 03.9470"	200	D = 3 to 5	100 x 120	4
Area 7	33° 34' 39.1138" / 85° 54' 07.6704"	500	D = 4	160 x 20	2
Area 9	33° 34' 39.5886" / 85° 54' 07.1254"	0	D = 0 to 7	100 x 75	2
Area 10	33° 34' 33.1961" / 85° 53' 43.2474"	200	H = 2 / D=3	250 x 110	10
Area 12	33° 34' 33.2024" / 85° 53' 22.0937"	80	D = 4 to 5	100 x 90	2
Area 15	33° 34' 34.0765" / 85° 53' 13.1504"	150	D = 3 to 4	70 x 150	3
Area 16	33° 34' 30.8762" / 85° 53' 00.6391"	100	H ~ 2 / D = 2 to 5	165 x 100	6
Area 18	33° 34' 38.1790" / 85° 52' 13.0771"	500	H = 3 / D = 2	130 x 150	6
Area 19	33° 34' 31.3623" / 85° 51' 58.8287"	250	D = 5 to 6	100 x 65	2
Area 23	33° 35' 01.6099" / 85° 51' 09.9273"	20	D = 3	185 x 100	6
Area 24	33° 35' 02.0814" / 85° 50' 54.9943"	~5 (next to flood berm)	H ~10	280 x 165	15
Area 25	33° 35' 05.1703" / 85° 50' 45.5931"	70	D = 4 to 5	110 x 100	4
Area 26	33° 35' 11.6729" / 85° 50' 32.8112"	~ 40	D = 5 to 6	140 x 60	2
Area 28A	33° 35' 20.6653" / 85° 50' 05.1416"	80	D = 5 to 6	240 x 70	4
Area 28B	33° 35' 26.1406" / 85° 49' 59.4665"	80	D = 6 to 7	155 x 45	3
Area 29	33° 35' 37.2064" / 85° 49' 48.6254"	10	D = 4 to 5	215 x 55	4
Area 31	33° 35' 52.9926" / 85° 49' 43.2965"	300	H = 2 / D = 2	135 x 230	8

Maximum Total Number of Samples = 112

APPENDIX B

LABORATORY DATA SHEETS

SL SAVANNAH LABORATORIES
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5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.savlabs.com

LOG NO: S9-14052
Received: 19 JUN 99
Reported: 02 JUL 99
REVISED 28 JUL 99
Client PO. No.: 4503076264

Mr. Jerry Hopper
Solutia Inc.
300 Birmingham Highway
Anniston, AL 36201

Contract No.: S7219
Project: DREDGE SPOIL AREAS
Sampled By: Client
Code: 174690728

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
14052-1	24-1	06-14-99/10:55
14052-2	24-2	06-14-99/11:50
14052-3	24-3	06-14-99/14:35
14052-4	24-4	06-14-99/14:30
14052-5	24-5	06-14-99/16:00

PARAMETER	14052-1	14052-2	14052-3	14052-4	14052-5
PCB's (8082)					
Aroclor-1016, ug/kg dw	<170	<180	<370	<200	<69
Aroclor-1221, ug/kg dw	<350	<360	<750	<400	<140
Aroclor-1232, ug/kg dw	<170	<180	<370	<200	<69
Aroclor-1242, ug/kg dw	<170	<180	<370	<200	<69
Aroclor-1248, ug/kg dw	450	590	1300	920	330
Aroclor-1254, ug/kg dw	890	1600	3400	2000	460
Aroclor-1260, ug/kg dw	720	1500	3100	2000	380
Surrogate - TCX	60 %	46 %	*F33	49 %	45 %
Date Extracted	06.22.99	06.22.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.28.99	06.28.99	06.28.99	06.28.99	06.28.99
Dilution factor	5.0	5.0	10.0	5.0	2.0
Batch ID	06220	06220	06220	06220	06220
Instrument ID	SGJECD	SGJECD	SGJECD	SGJECD	SGJECD
Percent Solids	95	92	89	84	96

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14052-6	24-6	06-14-99/16:20
14052-7	24-7	06-14-99/17:15
14052-8	24-8	06-15-99/16:50
14052-9	24-9	06-15-99/16:40
14052-10	24-11	06-15-99/17:35

PARAMETER	14052-6	14052-7	14052-8	14052-9	14052-10
PCB's (8082)					
Aroclor-1016, ug/kg dw	<180	<360	<760	<360	<180
Aroclor-1221, ug/kg dw	<360	<730	<1500	<740	<360
Aroclor-1232, ug/kg dw	<180	<360	<760	<360	<180
Aroclor-1242, ug/kg dw	<180	<360	<760	<360	<180
Aroclor-1248, ug/kg dw	410	840	1700	770	610
Aroclor-1254, ug/kg dw	650	1400	3500	1700	930
Aroclor-1260, ug/kg dw	660	1400	3700	1900	750
Surrogate - TCX	49 %	*F33	*F33	*F33	62 %
Date Extracted	06.22.99	06.22.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.25.99	06.25.99	06.25.99	06.28.99	06.28.99
Dilution factor	5.0	10.0	20.0	10.0	5.0
Batch ID	06220	06220	06220	06220	06220
Instrument ID	SGJECD	SGJECD	SGJECD	SGJECD	SGJECD
Percent Solids	93	91	87	91	94

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14052-11	24-20	06-15-99/14:40
14052-12	29-1	06-15-99/09:00
14052-13	29-2	06-15-99/09:05
14052-14	29-4	06-15-99/09:40
14052-15	26-2	06-15-99/10:35

PARAMETER	14052-11	14052-12	14052-13	14052-14	14052-15
PCB's (8082)					
Aroclor-1016, ug/kg dw	<830	<190	<370	<180	<170
Aroclor-1221, ug/kg dw	<1700	<380	<750	<370	<360
Aroclor-1232, ug/kg dw	<830	<190	<370	<180	<170
Aroclor-1242, ug/kg dw	<830	<190	<370	<180	<170
Aroclor-1248, ug/kg dw	1200	510	1400	660	360
Aroclor-1254, ug/kg dw	2500	820	2000	1500	560
Aroclor-1260, ug/kg dw	2600	640	1200	1100	630
Surrogate - TCX	*F33	45 %	*F33	51 %	44 %
Date Extracted	06.22.99	06.22.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.26.99	06.28.99	06.26.99	06.28.99	06.28.99
Dilution factor	20.0	5.0	10.0	5.0	5.0
Batch ID	06220	06220	06220	06220	06220
Instrument ID	SGJECD	SGJECD	SGJECD	SGJECD	SGJECD
Percent Solids	79	87	89	90	94

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
14052-16	7-1	06-15-99/13:25
14052-17	9-2	06-15-99/14:55
14052-18	9-20	06-15-99/14:58
14052-19	23-1	06-16-99/09:15
14052-20	23-2	06-16-99/09:25

PARAMETER	14052-16	14052-17	14052-18	14052-19	14052-20
PCB's (8082)					
Aroclor-1016, ug/kg dw	<180	<36	<35	<360	<390
Aroclor-1221, ug/kg dw	<380	<72	<71	<720	<800
Aroclor-1232, ug/kg dw	<180	<36	<35	<360	<390
Aroclor-1242, ug/kg dw	<180	<36	<35	<360	<390
Aroclor-1248, ug/kg dw	620	62	83	780	1300
Aroclor-1254, ug/kg dw	990	110	140	1800	2800
Aroclor-1260, ug/kg dw	760	130	190	1700	2300
Surrogate - TCX	48 %	45 %	40 %	*F33	*F33
Date Extracted	06.22.99	06.22.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.28.99	06.25.99	06.25.99	06.28.99	06.28.99
Dilution factor	5.0	1.0	1.0	10.0	10.0
Batch ID	06220	06220	06220	06220	06220
Instrument ID	SGJECD	SGJECD	SGJECD	SGJECD	SGJECD
Percent Solids	89	92	94	92	84

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LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
14052-21	23-3	06-16-99/11:05
14052-22	23-4	06-16-99/10:55
14052-23	23-6	06-16-99/12:45
14052-24	SC-6-1	06-17-99/08:15
14052-25	SC-6-2	06-17-99/09:20

PARAMETER	14052-21	14052-22	14052-23	14052-24	14052-25
PCB's (8082)					
Aroclor-1016, ug/kg dw	<72	<190	<380	<720	<3800
Aroclor-1221, ug/kg dw	<140	<380	<770	<1400	<7600
Aroclor-1232, ug/kg dw	<72	<190	<380	<720	<3800
Aroclor-1242, ug/kg dw	<72	<190	<380	<720	<3800
Aroclor-1248, ug/kg dw	370	660	470	2900	<3800
Aroclor-1254, ug/kg dw	800	1700	2900	12000	21000
Aroclor-1260, ug/kg dw	800	1500	3400	5000	9300
Surrogate - TCX	47 %	*F33	*F33	*F33	*F33
Date Extracted	06.22.99	06.22.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.28.99	06.28.99	06.28.99	06.28.99	06.28.99
Dilution factor	2.0	5.0	10.0	20.0	100.0
Batch ID	0622P	0622P	0622P	0622P	0622P
Instrument ID	SGKECD	SGKECD	SGKECD	SGKECD	SGKECD
Percent Solids	92	87	87	92	88

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14052-26	SC-5-1	06-17-99/09:00
14052-50	SC-5-2	06-17-99/09:55
14052-51	SC-4-1	06-17-99/10:58
14052-52	SC-4-2	06-17-99/10:50
14052-53	SC-7-1	06-17-99/16:20

PARAMETER	14052-26	14052-50	14052-51	14052-52	14052-53
PCB's (8082)					
Aroclor-1016, ug/kg dw	<720	<3600	<350	<700	<370
Aroclor-1221, ug/kg dw	<1400	<7300	<710	<1400	<750
Aroclor-1232, ug/kg dw	<720	<3600	<350	<700	<370
Aroclor-1242, ug/kg dw	<720	<3600	<350	<700	<370
Aroclor-1248, ug/kg dw	<720	29000	2300	2300	<370
Aroclor-1254, ug/kg dw	9500	43000	7700	9700	2800
Aroclor-1260, ug/kg dw	4700	16000	3800	5400	1800
Surrogate - TCX	*F33	*F33	*F33	*F33	*F33
Date Extracted	06.22.99	06.22.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.28.99	06.28.99	06.28.99	06.28.99	06.28.99
Dilution factor	20.0	100.0	10.0	20.0	10.0
Batch ID	0622P	0622P	0622P	0622P	0622P
Instrument ID	SGKECD	SGKECD	SGKECD	SGKECD	SGKECD
Percent Solids	92	92	94	94	89

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LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
14052-54	SC-7-2	06-17-99/16:25
14052-55	SC-7-3	06-17-99/16:35
14052-56	SC-7-5	06-17-99/17:20
14052-57	SC-7-6	06-17-99/17:30
14052-58	SC-7-7	06-17-99/17:40

PARAMETER	14052-54	14052-55	14052-56	14052-57	14052-58
PCB's (8082)					
Aroclor-1016, ug/kg dw	<37	<38	<37	<370	<180
Aroclor-1221, ug/kg dw	<75	<77	<75	<750	<370
Aroclor-1232, ug/kg dw	<37	<38	<37	<370	<180
Aroclor-1242, ug/kg dw	<37	<38	<37	<370	<180
Aroclor-1248, ug/kg dw	44	52	<37	980	340
Aroclor-1254, ug/kg dw	440	640	240	1800	580
Aroclor-1260, ug/kg dw	780	840	280	2500	760
Surrogate - TCX	64 %	58 %	56 %	*F33	54 %
Date Extracted	06.22.99	06.22.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.25.99	06.25.99	06.29.99	06.26.99	06.29.99
Dilution factor	1.0	1.0	1.0	10.0	5.0
Batch ID	0622P	0622P	0622Q	0622Q	0622Q
Instrument ID	SGKECD	SGKECD	SGJECD	SGJECD	SGJECD
Percent Solids	89	87	89	89	90

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LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
14052-59	SC-7-8	06-17-99/18:10
14052-60	SC-7-9	06-17-99/18:15
14052-61	SC-8-1	06-18-99/09:30
14052-62	SC-8-2	06-18-99/09:25
14052-63	SC-8-3	06-18-99/10:00

PARAMETER	14052-59	14052-60	14052-61	14052-62	14052-63
PCB's (8082)					
Aroclor-1016, ug/kg dw	<72	<1800	<36	<1800	<76
Aroclor-1221, ug/kg dw	<150	<3700	<74	<3600	<150
Aroclor-1232, ug/kg dw	<72	<1800	<36	<1800	<76
Aroclor-1242, ug/kg dw	<72	<1800	<36	<1800	<76
Aroclor-1248, ug/kg dw	270	4700	190	6200	340
Aroclor-1254, ug/kg dw	600	7900	470	13000	1000
Aroclor-1260, ug/kg dw	630	6400	510	9500	860
Surrogate - TCX	52 %	*F33	55 %	*F33	43 %
Date Extracted	06.22.99	06.22.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.29.99	06.29.99	06.28.99	06.29.99	06.28.99
Dilution factor	2.0	50.0	1.0	50.0	2.0
Batch ID	0622Q	0622Q	0622O	0622Q	0622O
Instrument ID	SGJECD	SGJECD	SGJECD	SGJECD	SGJECD
Percent Solids	91	91	90	92	87

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LOG NO: S9-14052
Received: 19 JUN 99
Reported: 02 JUL 99
REVISED 28 JUL 99
Client PO. No.: 4503076264

Mr. Jerry Hopper
Solutia Inc.
300 Birmingham Highway
Anniston, AL 36201

Contract No.: S7219
Project: DREDGE SPOIL AREAS
Sampled By: Client
Code: 174690728

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
14052-64	SC-8-4	06-18-99/10:18
14052-65	SC-8-5	06-18-99/10:52
14052-66	SC-8-6	06-18-99/11:05
14052-67	SC-8-7	06-18-99/11:38
14052-68	SC-8-9	06-18-99/12:52

PARAMETER	14052-64	14052-65	14052-66	14052-67	14052-68
PCB's (8082)					
Aroclor-1016, ug/kg dw	<38	<73	<380	<750	<370
Aroclor-1221, ug/kg dw	<77	<150	<760	<1500	<750
Aroclor-1232, ug/kg dw	<38	<73	<380	<750	<370
Aroclor-1242, ug/kg dw	<38	<73	<380	<750	<370
Aroclor-1248, ug/kg dw	140	530	1500	3200	2000
Aroclor-1254, ug/kg dw	290	1100	3100	5700	3600
Aroclor-1260, ug/kg dw	320	1000	2200	5100	4300
Surrogate - TCX	42 %	53 %	*F33	*F33	*F33
Date Extracted	06.22.99	06.22.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.28.99	06.29.99	06.26.99	06.29.99	06.26.99
Dilution factor	1.0	2.0	10.0	20.0	10.0
Batch ID	0622O	0622Q	0622Q	0622Q	0622Q
Instrument ID	SGJECD	SGJECD	SGJECD	SGJECD	SGJECD
Percent Solids	87	90	88	88	89

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LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
14052-69	SC-8-8	06-18-99/11:58
14052-70	SC-8-11	06-18-99/12:45
14052-71	SC-8-20	06-18-99/09:28
14052-72	SC-8-10B	06-18-99/11:07

PARAMETER	14052-69	14052-70	14052-71	14052-72
PCB's (8082)				
Aroclor-1016, ug/kg dw	<380	<1900	<1800	<1900
Aroclor-1221, ug/kg dw	<780	<3800	<3700	<3800
Aroclor-1232, ug/kg dw	<380	<1900	<1800	<1900
Aroclor-1242, ug/kg dw	<380	<1900	<1800	<1900
Aroclor-1248, ug/kg dw	1100	7000	6000	8400
Aroclor-1254, ug/kg dw	2300	25000	12000	16000
Aroclor-1260, ug/kg dw	2000	14000	9100	9800
Surrogate - TCX	*F33	*F33	*F33	*F33
Date Extracted	06.22.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.26.99	06.29.99	06.29.99	06.29.99
Dilution factor	10.0	50.0	50.0	50.0
Batch ID	0622Q	0622Q	0622Q	0622Q
Instrument ID	SGJECD	SGJECD	SGJECD	SGJECD
Percent Solids	86	88	90	87

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LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
14052-37	24-10	06-15-99/17:15
14052-38	29-3	06-15-99/09:25
14052-39	26-1	06-15-99/10:40
14052-40	7-2	06-15-99/13:55
14052-41	9-1	06-15-99/14:50

PARAMETER	14052-37	14052-38	14052-39	14052-40	14052-41
PCB's (8082)					
Aroclor-1016, ug/kg dw	<350	<76	<190	<38	<35
Aroclor-1221, ug/kg dw	<720	<150	<380	<77	<71
Aroclor-1232, ug/kg dw	<350	<76	<190	<38	<35
Aroclor-1242, ug/kg dw	<350	<76	<190	<38	<35
Aroclor-1248, ug/kg dw	550	1100	1500	240	130
Aroclor-1254, ug/kg dw	2100	750	1500	440	130
Aroclor-1260, ug/kg dw	2000	600	930	700	140
Surrogate - TCX	*F33	45 %	*F33	56 %	62 %
Date Extracted	06.22.99	06.24.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.28.99	06.28.99	06.28.99	06.25.99	06.25.99
Dilution factor	10.0	2.0	5.0	1.0	1.0
Batch ID	0622P	0624O	0622P	0622P	0622P
Instrument ID	SGKECD	SGKECD	SGKECD	SGKECD	SGKECD
Mercury (7471)					
Mercury, mg/kg dw	2.0	3.6	2.6	1.0	3.9
Preparation Date	06.25.99	06.25.99	06.25.99	06.25.99	06.25.99
Date Analyzed	06.26.99	06.26.99	06.26.99	06.26.99	06.26.99
Dilution factor	10	20	20	10	20
Batch ID	0625T	0625T	0625T	0625T	0625T

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14052-37	24-10	06-15-99/17:15
14052-38	29-3	06-15-99/09:25
14052-39	26-1	06-15-99/10:40
14052-40	7-2	06-15-99/13:55
14052-41	9-1	06-15-99/14:50

PARAMETER	14052-37	14052-38	14052-39	14052-40	14052-41
Percent Solids	93	87	88	87	94

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LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
14052-42	23-5	06-16-99/12:20
14052-43	SC-3	06-17-99/13:20
14052-44	SC-1	06-17-99/14:15
14052-45	SC-7-4	06-17-99/16:40

PARAMETER	14052-42	14052-43	14052-44	14052-45
PCB's (8082)				
Aroclor-1016, ug/kg dw	<760	<720	<700	<38
Aroclor-1221, ug/kg dw	<1500	<1400	<1400	<76
Aroclor-1232, ug/kg dw	<760	<720	<700	<38
Aroclor-1242, ug/kg dw	<760	<720	<700	<38
Aroclor-1248, ug/kg dw	<760	3300	2200	67
Aroclor-1254, ug/kg dw	6100	15000	12000	580
Aroclor-1260, ug/kg dw	4700	6600	5400	470
Surrogate - TCX	*F33	*F33	*F33	51 %
Date Extracted	06.22.99	06.22.99	06.22.99	06.22.99
Date Analyzed	06.28.99	06.28.99	06.28.99	06.25.99
Dilution factor	20.0	20.0	20.0	1.0
Batch ID	0622P	0622P	0622P	0622P
Instrument ID	SGKECD	SGKECD	SGKECD	SGKECD
Mercury (7471)				
Mercury, mg/kg dw	0.65	0.20	0.25	0.19
Preparation Date	06.25.99	06.25.99	06.25.99	06.25.99
Date Analyzed	06.26.99	06.26.99	06.26.99	06.26.99
Dilution factor	5.0	1.0	2.0	1.0
Batch ID	0625T	0625T	0625T	0625T
Percent Solids	87	92	94	88

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
14052-73	SC-R1	06-17-99/18:20
14052-74	SC-R2	06-18-99/11:38
14052-75	SC-R3	06-18-99

PARAMETER	14052-73	14052-74	14052-75
PCB's (8082)			
Aroclor-1016, ug/l	<1.0	<1.0	<1.0
Aroclor-1221, ug/l	<2.0	<2.0	<2.0
Aroclor-1232, ug/l	<1.0	<1.0	<1.0
Aroclor-1242, ug/l	<1.0	<1.0	<1.0
Aroclor-1248, ug/l	<1.0	<1.0	<1.0
Aroclor-1254, ug/l	<1.0	<1.0	<1.0
Aroclor-1260, ug/l	<1.0	<1.0	<1.0
Surrogate - TCX	55 %	55 %	60 %
Date Extracted	06.22.99	06.22.99	06.22.99
Date Analyzed	06.24.99	06.24.99	06.24.99
Dilution factor	1.0	1.0	1.0
Batch ID	0622R	0622R	0622R
Instrument ID	SGNECD	SGNECD	SGNECD

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
14052-76	Method Blank	
14052-77	Lab Control Standard % Recovery	
14052-78	LCS Accuracy Control Limit (%R)	
14052-88	Analyst Name (First Initial.Last Name)	
14052-90	Method Blank	

PARAMETER	14052-76	14052-77	14052-78	14052-88	14052-90
PCB's (8082)					
Aroclor-1016, ug/kg dw	<33	48 %	34-138 %	S.Graves	<33
Aroclor-1221, ug/kg dw	<67	---	---	S.Graves	<66
Aroclor-1232, ug/kg dw	<33	---	---	S.Graves	<33
Aroclor-1242, ug/kg dw	<33	---	---	S.Graves	<33
Aroclor-1248, ug/kg dw	<33	---	---	S.Graves	<33
Aroclor-1254, ug/kg dw	<33	---	---	S.Graves	<33
Aroclor-1260, ug/kg dw	<33	55 %	39-138 %	S.Graves	<33
Surrogate - TCX	45 %	57 %	---	---	51 %
Date Extracted	06.22.99	06.22.99	---	---	06.24.99
Date Analyzed	06.25.99	06.25.99	---	---	06.28.99
Dilution factor	1.0	1.0	---	---	1.0
Batch ID	0622P	0622P	---	---	0624O
Instrument ID	SGKECD	SGKECD	---	---	SGKECD
Mercury (7471)					
Mercury, mg/kg dw	<0.020	85 %	80-120 %	L.REEVES	---
Preparation Date	06.25.99	06.25.99	---	---	---
Date Analyzed	06.26.99	06.26.99	---	---	---
Dilution factor	1.0	1.0	---	---	---
Batch ID	0625T	0625T	---	---	---

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
14052-91	Lab Control Standard % Recovery	
14052-92	Analyst Name (First Initial.Last Name)	

PARAMETER	14052-91	14052-92
PCB's (8082)		
Aroclor-1016,	48 %	A.MCNEELY
Aroclor-1260,	53 %	A.MCNEELY
Surrogate - TCX	46 %	---
Date Extracted	06.24.99	---
Date Analyzed	06.28.99	---
Dilution factor	1.0	---
Batch ID	06240	---
Instrument ID	SGKECD	---
Aroclor-1221, ug/kg dw	---	A.MCNEELY
Aroclor-1232, ug/kg dw	---	A.MCNEELY
Aroclor-1242, ug/kg dw	---	A.MCNEELY
Aroclor-1248, ug/kg dw	---	A.MCNEELY
Aroclor-1254, ug/kg dw	---	A.MCNEELY
Mercury (7471)		

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
14052-79	Method Blank	
14052-80	Lab Control Standard % Recovery	
14052-81	LCS Accuracy Control Limit (%R)	
14052-82	Method Blank	
14052-83	Lab Control Standard % Recovery	

PARAMETER	14052-79	14052-80	14052-81	14052-82	14052-83
PCB's (8082)					
Aroclor-1016, ug/kg dw	<33	120 %	34-138 %	<33	73 %
Aroclor-1221, ug/kg dw	<67	---	---	<67	---
Aroclor-1232, ug/kg dw	<33	---	---	<33	---
Aroclor-1242, ug/kg dw	<33	---	---	<33	---
Aroclor-1248, ug/kg dw	<33	---	---	<33	---
Aroclor-1254, ug/kg dw	<33	---	---	<33	---
Aroclor-1260, ug/kg dw	<33	49 %	39-138 %	<33	54 %
Surrogate - TCX	67 %	58 %	---	45 %	49 %
Date Extracted	06.22.99	06.22.99	---	06.22.99	06.22.99
Date Analyzed	06.29.99	06.29.99	---	06.26.99	06.26.99
Dilution factor	1.0	1.0	---	1.0	1.0
Batch ID	0622Q	0622Q	---	0622O	0622O
Instrument ID	SGJECD	SGJECD	---	SGJECD	SGJECD

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
14052-84	LCS Accuracy Control Limit (%R)	

PARAMETER	14052-84
PCB's (8082)	
Aroclor-1016,	34-138 %
Aroclor-1260,	39-138 %

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
14052-85	Method Blank	
14052-86	Lab Control Standard % Recovery	
14052-87	LCS Accuracy Control Limit (%R)	
14052-89	Analyst Name (First Initial.Last Name)	

PARAMETER	14052-85	14052-86	14052-87	14052-89
PCB's (8082)				
Aroclor-1016, ug/l	<1.0	84 %	45-134 %	B.WREN
Aroclor-1221, ug/l	<2.0	---	---	B.WREN
Aroclor-1232, ug/l	<1.0	---	---	B.WREN
Aroclor-1242, ug/l	<1.0	---	---	B.WREN
Aroclor-1248, ug/l	<1.0	---	---	B.WREN
Aroclor-1254, ug/l	<1.0	---	---	B.WREN
Aroclor-1260, ug/l	<1.0	92 %	41-144 %	B.WREN
Surrogate - TCX	55 %	75 %	30-150 %	B.WREN
Date Extracted	06.22.99	06.22.99	06.22.99	B.WREN
Date Analyzed	06.23.99	06.23.99	06.23.99	B.WREN
Dilution factor	1.0	1.0	1.0	B.WREN
Batch ID	0622R	0622R	0622R	B.WREN
Instrument ID	SGNECD	SGNECD	SGNECD	B.WREN

Methods: EPA SW-846, Update III.

*F33 = Because the sample was diluted prior to analysis, surrogate recoveries are not reported.

Elizabeth F. Beauchamp, Project Manager

Final Page Of Report

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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- [ ] 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
- [ ] 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- [ ] 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER	PAGE	OF
Solutia Dredge Spoil Areas		450307/6264	1	6

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
AL	Jeannette Schlichenmeyer	281-335-4000	281-335-8600

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia Inc.	Jerry Hopper

CLIENT ADDRESS (CITY, STATE, ZIP): 300 Birmingham Highway Anniston AL 36201

MATRIX TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent, etc.)

REQUIRED ANALYSES: PCB; Mercury; PH/PRESERVATIVE

- [x] STANDARD REPORT DELIVERY
- [ ] EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc.)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
6/14/99	10:55		24-1		X			1	
6/14/99	11:50		24-2		X			1	
6/14/99	14:35		24-3		X			1	
6/14/99	14:30		24-4		X			1	
6/14/99	16:00		24-5		X			1	
6/14/99	16:20		24-6		X			1	
6/14/99	17:15		24-7		X			1	
6/15/99	16:50		24-8		X			1	
6/15/99	16:40		24-9		X			1	
6/15/99	17:15		24-10		X			1 ✓	Need PCB & Mercury
6/15/99	17:35		24-11		X			1	
6/15/99	14:40		24-20		X			1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
S. Crawford	6/14/99		Jeannette L. Schlichenmeyer	6/18/99				
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Jeannette L. Schlichenmeyer	6/14/99		809587128011 FedEx					

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
E Strang	6/19/99	9:55	[x] YES [ ] NO		59-14052	

SAVANNAH LABORATORY COPY

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- [x] 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- [ ] 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
- [ ] 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- [ ] 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
- [ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1183

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Solutia Dredge Spoil Areas | PROJECT NO. | P.O. NUMBER: 4503076264 | MATRIX TYPE | REQUIRED ANALYSES | PAGE 2 OF 6

PROJECT LOC. (State): AL | SAMPLER(s) NAME: Jeannette Schlichenmeyer | PHONE: 281-335-4000 | FAX: 281-335-8600

CLIENT NAME: Solutia | CLIENT PROJECT MANAGER: Jerry Hopper

CLIENT ADDRESS (CITY, STATE, ZIP): 300 Birmingham Highway Anniston Alabama 36201

STANDARD REPORT DELIVERY [x] | EXPEDITED REPORT DELIVERY (surcharge) [ ] | Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	MATRIX: AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	REQUIRED ANALYSES: PCB	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
6/15/99	09:00		29-1	X				1		1	
6/15/99	09:05		29-2	X				1		1	
6/15/99	09:25		29-3	X				1		1	Need PCB+Mercury
6/15/99	09:40		29-4	X				1		1	
6/15/99	10:40		26-1	X				1		1	Need PCB + Mercury
6/15/99	10:35		26-2	X				1		1	
6/15/99	13:24		7-1	X				1		1	
6/15/99	13:55		7-2	X				1		1	Need PCB + Mercury
6/15/99	14:50		9-1	X				1		1	Need PCB + Mercury
6/15/99	14:55		9-2	X				1		1	
6/15/99	14:58		9-20	X				1		1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
S. Campbell	6/9/99		Jeannette Schlichenmeyer	6/18/99				
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Jeannette Schlichenmeyer	6/14/99		809587128018 FedEx					

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
	6/19/99	9:55	[x] YES [ ] NO		59-14052	

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☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER	MATRIX TYPE	REQUIRED ANALYSES	PAGE
Solutia Dredge Spoil Areas		4503076264		PCB	3 OF 6

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
AL	Jeannette Schlichemeyer	281-335-4000	281-335-8600

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Jerry Hopper

CLIENT ADDRESS (CITY, STATE, ZIP): 300 Birmingham Highway Anniston, AL 36201

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: ____

SAMPLE DATE	SAMPLE TIME	SL NO	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED	PRESERVATIVE	REMARKS
6/16/99	09:15		23-1		X			1		
6/16/99	09:25		23-2		X			1		
6/16/99	~~11:05~~ 12:20		23-3		X			1		
6/16/99	10:55		23-4		X			1		
6/16/99	~~11:05~~ 12:30		23-5		X			1		Need PCBs+Mercury
6/16/99	12:45		23-6		X			1		
6/17/99	08:15		SC-4-1		X			1		
6/17/99	09:20		SC-4-2		X			1		
6/17/99	09:00		SC-5-1		X			1		
6/17/99	09:55		SC-5-2		X			1		
6/17/99	10:58		SC-6-1		X			1		
6/17/99	10:50		SC-6-2		X			1		
					X					

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	6/19/99	9	Jeannette Schlichemeyer	6/19/99				
RECEIVED BY: (SIGNATURE) EMPTY CONTAINERS	DATE	TIME	RECEIVED BY: (SIGNATURE) 8095877280 11	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	6/19/99	9:55	☑ YES ☐ NO		59-1405 2	

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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[ ] 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
[ ] 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Solutia Dredge Spoil Areas
PROJECT NO.:
P.O. NUMBER: 4503076264
PROJECT LOC. (State): AL
SAMPLER(s) NAME: Jeannette Schlichenmeyer
PHONE: 281-335-4000
FAX: 281-335-8600
CLIENT NAME: Solutia
CLIENT PROJECT MANAGER: Jerry Hopper
CLIENT ADDRESS (CITY, STATE, ZIP): 300 Birmingham Highway Anniston AL 36201

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: PCB, Mercury — PRESERVATIVE

PAGE 4 OF 6

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	PCB	Mercury									REMARKS
6/17/99	13:20		SC-3		X			1	1									
6/17/99	14:15		SC-1		X			1	1									
6/17/99	~~16:20~~		SC-7-1		X			1										
6/17/99	~~16:25~~ 16:20 sis		SC-7-2		X			1										
6/17/99	~~16:30~~ 16:35 sis		SC-7-3		X			1										
6/17/99	16:40		SC-7-4		X			1	1									
6/17/99	17:20		SC-7-5		X			1										
6/17/99	17:30		SC-7-6		X			1										
6/17/99	17:40		SC-7-7		X			1										
6/17/99	18:10		SC-7-8		X			1										
6/17/99	18:15		SC-7-9		X			1										
6/17/99	18:20		SC-R1	~~X~~	X			1										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
S. Campbell	6/9/99		Jeannette L. Schlichenmeyer	6/18/99				
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Jeannette L. Schlichenmeyer	6/14/99		809 587 1128011					

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	6/19/99	9:55	[X] YES [ ] NO		99-14052	

SAVANNAH LABORATORY COPY

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Dredge Spoil Areas		4503076264

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
AL	Jeannette Schlichenmeyer	281-335-4000	281-335-8000

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia	Jerry Hopper

CLIENT ADDRESS (CITY, STATE, ZIP): 300 Birmingham Highway Anniston AL 36201

MATRIX TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: PCB's

PAGE 5 OF 6

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SL NO	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
6/18/99	09:30		SC-8-1		X			1	
6/18/99	09:25		SC-8-2		X			1	
6/18/99	10:00		SC-8-3		X			1	
6/18/99	10:18		SC-8-4		X			1	
6/18/99	10:52		SC-8-5		X			1	
6/18/99	11:05		SC-8-6		X			1	
6/18/99	11:38		SC-8-7		X			1	
			~~SC-8-8~~ 2nd						
6/18/99	12:52		SC-8-9		X			1	
6/18/99	11:58		SC-8-10 8 jar		X			1	
6/18/99	12:45		SC-8-11		X			1	
6/18/99	11:38		SC-R2	X				1	
6/18/99			SC-R3	X				1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
S. Campbell	6/19/99		Jeannette Schlichenmeyer	6/19/1999				
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Jeannette Schlichenmeyer	6/19/99		80958 T128011					

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
	6/19/99	935	☐ YES ☐ NO		99-1402	

SAVANNAH LABORATORY COPY

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Solutia Dredge Spoil Areas		4503076264

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
AL	Jeannette Schliekermeyer	281-335-4000	281-335-8600

CLIENT NAME	CLIENT PROJECT MANAGER
Solutia Inc	Jerry Hopper

CLIENT ADDRESS (CITY, STATE, ZIP): 300 Birmingham Highway

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: PCB

PRESERVATIVE

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
6/18/99	09:28		SC-8-20	X				1	
6/18/99	11:07		SC-8-10B	X				1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	6/19/99		Jeannette L. Schliekermeyer	6/18/99				
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Jeannette L. Schliekermeyer	6/19/99		809587 128011 FedEx					

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	6/19/99	9155	☐ YES ☐ NO		99-14052	

SAVANNAH LABORATORY COPY

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.savlabs.com

LOG NO: S9-15509
Received: 18 AUG 99
Reported: 23 AUG 99

Mr. Jerry Hopper
Solutia Inc.
300 Birmingham Highway
Anniston, AL 36201

Contract No.: S7219
Project: DREDGE SOIL PILES/SC-8-1
Sampled By: Client
Code: 175990823

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
15509-1	SC-8-1	08-17-99

PARAMETER	15509-1
Mercury (7471)	
Mercury, mg/kg dw	0.27
Preparation Date	08.19.99
Date Analyzed	08.19.99
Dilution factor	1.0
Batch ID	0819R
Percent Solids	89

SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-15509
Received: 18 AUG 99
Reported: 23 AUG 99

Mr. Jerry Hopper
Solutia Inc.
300 Birmingham Highway
Anniston, AL 36201

Contract No.: S7219
Project: DREDGE SOIL PILES/SC-8-1
Sampled By: Client
Code: 175990823

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
15509-2	Method Blank	
15509-3	Lab Control Standard % Recovery	
15509-4	LCS Accuracy Control Limit (%R)	
15509-5	User Specified	

PARAMETER	15509-2	15509-3	15509-4	15509-5
Mercury (7471)				
Mercury, mg/kg dw	<0.020	87 %	80-120 %	BJB
Preparation Date	08.19.99	08.19.99	---	---
Date Analyzed	08.19.99	08.19.99	---	---
Dilution factor	1.0	1.0	---	---
Batch ID	0819R	0819R	---	---

Methods: EPA SW-846, Update III.

Elizabeth F. Beauchamp, Project Manager

Final Page Of Report

Solutia, Inc.
~~MONSANTO~~
~~CHEMICAL COMPANY~~

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number Dredge Soil Pits Snow Creek
Project Location Anniston, AL
Laboratory Savannah Labs
Sample(s) SC-8-1

SAMPLE IDENTITY	Date Sampled	SAMPLE BOTTLE / CONTAINER DESCRIPTION: Soil - unpreserved clear glass 75 ml Mercuric	TOTAL
SC-8-1	17 Aug 99	1	1

Not used

1

Relinquished by: [illegible]	Organization: HGS Engineering	Date 8/17/99	Time 1325	Seal Intact? Yes No N/A
Received by: Jerry A. Hoffer	Organization: Solutia, Inc.	Date 8/17/99	Time 1325	
Relinquished by: Jerry A. Hoffer	Organization: Solutia Inc.	Date 8/17/99	Time 1630	Seal Intact? Yes No N/A
Received by: [illegible]	Organization: SLES	Date 8/18/99	Time 9:00	

Special Instructions/Remarks: Sample taken 17 Aug 99 1020 Analyze for Mercury only

5915509

Delivery Method: ☐ In Person ☒ Common Carrier Federal Express (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

812653218172

APPENDIX C

DATA VALIDATION CALCULATIONS

ROUX

CALCULATION FORM

CLIENT/PROJECT Solutia - Anniston Offsite PAGE 1 OF 1
BY MNS DATE 8-5-99 PROJECT NO. 06638T04
CHECKED BY JLS DATE 8/17/99
DESCRIPTION Data Validation

Duplicate Comparisons

Sample ID.	24-2 (ppb)	24-20 (ppb)
A-1016	< 180	< 830
A-1221	< 360	< 1700
A-1232	< 180	< 830
A-1242	< 180	< 830
A-1248	590	1200
A-1254	1600	2500
A-1260	1300	2600
Moisture (%)	8	21

A-1248
X = 24-2
Y = 24-20

$$\frac{(590 - 1200)}{([590 + 1200]/2)} \times 100 = Z$$

$$100 \times \frac{610 \checkmark}{895 \checkmark} = 68.2$$

68.2% = Z

Data qualifies as qualitative

100% > Z > 60% - Samples diluted

Dilution factors
24-2 5.0
24-20 20.0

A-1254 = $\frac{900 \checkmark}{2050 \checkmark} \times 100$ ✓ = 43.9% ✓

Data - Quantitative
< 60%

A-1260 = $\frac{1100 \checkmark}{2050 \checkmark} \times 100$ ✓ = 53.7% < 60%

Data - Quantitative

ROUX

CALCULATION FORM

CLIENT/PROJECT Solutia - Anniston Offsite
BY MNS DATE 8-5-99
CHECKED BY JLS DATE 8/17/99
DESCRIPTION Data Validation

PAGE 1 OF 1
PROJECT NO. 06638T04

Duplicate Samples

	SC-8-2 (ppb)	SC-8-20 (ppb)
A-1016	<1800	<1800
A-1221	<3600	<3700
A-1232	<1800	<1800
A-1242	<1800	<1800
A-1248	6200	6000
A-1254	13000	12000
A-1260	9500	9100
Moisture	8%	10%
Dilution factor	50.0	50.0

A-1248 $= \frac{200^{V}}{6100^{V}} \times 100 = 3.3\%$ < 60% ✓ Data - Quantitative

A-1254 $= \frac{1000^{V}}{12500^{V}} \times 100 = 8\%$ ✓ Data - Quantitative

A-1260 $= \frac{400^{V}}{9300^{V}} \times 100 = 4.3\%$ ✓ Data - Quantitative

ROUX

CALCULATION FORM

CLIENT/PROJECT Solutia - Anniston Offsite
BY MNS DATE 8-5-99 PAGE 1 OF 1
CHECKED BY JLS DATE 8/17/99 PROJECT NO. 06638704
DESCRIPTION Data Validation

Duplicate Comparisons

Sample ID	9-Z (ppb)	9-Z0 (ppb)
A-1016	<36	<35
A-1221	<72	<71
A-1232	<36	<35
A-1242	<36	<35
A-1248	62	83
A-1254	110	140
A-1260	130	190
Moisture %	8	6

A-1248 Samples Not diluted

$= \frac{21\ V}{72.5V} \times 100 = 30.0\%$ ✓ $< 60\%$ Data - Quantitative

A-1254 $= \frac{30\ V}{125\ V} \times 100 = 24\%$ ✓ Data - Quantitative

A-1260 $= \frac{60\ V}{160\ V} \times 100 = 37.5\%$ ✓ Data - Quantitative

APPENDIX C

SNOW CREEK SEDIMENT REMOVAL ACTION COMPLETION REPORT, FEBRUARY 2010

Solutia Inc.
702 Clydesdale Avenue
Anniston, Alabama 36201-5328
Tel 256-231-8400

February 5, 2010

Ms. Pamela J. Langston Scully, P.E.
Remedial Project Manager
United States Environmental Protection Agency Region IV
Atlanta Federal Center
61 Forsyth St., S.W.
Atlanta, GA 30303

Re: **Snow Creek Sediment Removal Action Completion Report**
Anniston PCB Site (Docket No. CV-02PT-0749-E)
Anniston, Alabama

Dear Ms. Langston Scully:

On behalf of Pharmacia Corporation and Solutia Inc. (P/S), as parties to the Partial Consent Decree (PCD) for the Anniston Polychlorinated Biphenyl (PCB) Site, please find enclosed eight hard copies and 10 electronic copies of the *Snow Creek Sediment Removal Action Completion Report*. This document details the sediment removal work completed during November 2009 in a portion of Snow Creek in conjunction with the City of Anniston's Flood Control Project. All such work was conducted in accordance with Section VI, Paragraph 7 of the Administrative Order on Consent for Removal Action (Exhibit C to the PCD). If you should have any questions or need additional information, please do not hesitate to contact me at (256) 231-8404.

Sincerely,

E. Gayle Macolly
Manager, Remedial Projects

enclosures: 8 hard copies, 10 electronic copies

cc: Mr. Jeffery W. Kitchens (ADEM)
Mr. G. Douglas Jones, Esquire (Haskell Slaughter Young & Redicker, LLC)
Mr. Thomas Dahl (Dahl Environmental Associates)

Snow Creek Sediment Removal Action Completion Report

Anniston PCB Site

Docket No. CV-02-PT-0749-E

February 2010

SOLUTIA

SNOW CREEK SEDIMENT REMOVAL ACTION COMPLETION REPORT
ANNISTON PCB SITE
(DOCKET NO. CV-02-PT-0749-E)

February 2010

Revision 0

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Atlanta Federal Center

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Prepared by:

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702 Clydesdale Avenue

Anniston, Alabama 36201

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1.0 INTRODUCTION

The City of Anniston, Alabama (City) identified a need to remove accumulated sediments from a reach of Snow Creek (Creek) located between Pine Street and Glen Addie Avenue as part of its efforts to improve stream flow and reduce flooding potential in this area of the City. The proposed work is located within the footprint of Operable Unit 1/Operable Unit 2 of the Anniston PCB Site. The general location of the area of interest is shown on Figure 1. Previous environmental studies conducted in this reach of the Creek indicated the presence of polychlorinated biphenyl (PCB) compounds in Creek sediments and in three Dredge Spoil Areas (Dredge Spoil Areas 4, 5 and 6) located along the southern bank of the Creek in this area.

Given the potential for release of PCBs associated with the City's desired removal activities, Solutia Inc. and Pharmacia Corporation (P/S) met with the City to develop an appropriate scope of work and associated controls. During this meeting, it was agreed that the proposed scope of work would be expanded to include removal of the three Dredge Spoil Areas. While the City Public Works Department intended to self-perform the work, it was decided that the desired technical approach would be for P/S to provide direct support to:

- Address removal of sediments containing PCBs at concentrations greater than 50 milligrams per kilogram (mg/kg);
- Provide for off-site disposal of all PCB-containing sediments removed; and
- Provide construction and management of soil and sediment erosion controls to prevent downstream release.

P/S subsequently developed a proposed Scope of Work for review by the City. Following the City's review and approval, the Scope of Work was submitted to the United States Environmental Protection Agency (USEPA) for approval in correspondence dated October 5, 2009. In correspondence dated October 29, 2009, the USEPA confirmed that the proposed removal work could be performed as part of P/S's response obligations under the Partial Consent Decree (PCD) entered by the

United States District Court for the Northern District of Alabama on August 4, 2003 (Docket No. CV-02-PT-0749-E). The USEPA subsequently approved the proposed scope of work following the addition (Amendment No. 1) of a provision to collect post-removal composite samples from underlying residuals for analysis for PCBs for characterization and documentation purposes.

The proposed removal work commenced on November 16, 2009 and was completed on November 18, 2009. Post-removal composite sampling of residual materials was completed on November 19, 2009. All work was performed under the oversight of the USEPA. This report documents the scope of work performed, provides the results of monitoring and sampling activities, and provides copies of all off-site disposal records.

Section 1.0 of this report is an introduction presenting an overview of the project and its components. Section 2.0 describes the scope of work performed and describes any deviations from the approved plans. Section 3.0 presents the results of air monitoring, surface water monitoring and post-removal sediment sampling activities. Monitoring and sampling results are also presented in tabular form. Appendices include copies of the approved scope of work, daily construction reports, a photographic log of construction activities, residual sediment sampling report, and waste manifests.

2.0 SNOW CREEK SEDIMENT REMOVAL ACTIVITIES

2.1 Proposed Scope of Work

The *City of Anniston, Alabama Snow Creek Sediment Removal Scope of Work*, as amended (Appendix A [SOW]), defines the specific work to be performed, outlines the roles and responsibilities of the City and P/S, and provides additional details regarding each removal area and pre-characterization data previously collected. The purpose of the Snow Creek sediment removal activities was to remove accumulated sediments in the previously identified areas employing methods that would minimize the potential for any impact to downstream waterways.

P/S were responsible for:

- Installing and operating sediment and surface water controls;
- Performing turbidity testing of surface water and dust monitoring of air to ensure effectiveness of controls;
- Removing any sediments containing greater than 50 mg/kg of PCBs (limited to western half of Dredge Spoil Area 5) with subsequent placement in lined roll-off box;
- Transporting and disposing of all removed sediments at approved off-site locations;
- Providing City workers with disposable booties and coveralls and decontaminating City equipment upon completion; and
- Preparing a report documenting the removal action activities.

The City was responsible for:

- Acquiring access at designated removal areas to allow for the performance of the planned work;
- Clearing brush and overgrowth from the proposed removal areas prior to the commencement of work;

- Providing equipment and labor to remove sediments from defined areas containing less than 50 mg/kg PCBs for subsequent placement in trucks or roll-off boxes provided by P/S; and
- Re-establishing vegetative cover on the Creek bank and Creek bank walls, or equivalent protection as deemed appropriate by the City.

Prior to the commencement of work, sediment and surface water controls were to be constructed including placement of hay bales and/or jute and silt fence as necessary to prevent sedimentation. Routine monitoring to be performed included daily upstream and downstream turbidity testing of the Creek and dust monitoring of the work area. If downstream turbidity testing results exceeded upstream readings by a factor of 10, all work was to be temporarily suspended to provide an opportunity to re-evaluate the effectiveness of controls. Similarly, if dust monitoring using a respirable dust monitor indicated a sustained reading of 0.5 milligrams per cubic meter for more than two minutes, work would be suspended while dust control practices and engineering controls were re-evaluated.

P/S were to provide construction oversight for the project and convene daily safety meetings to review the intended scope of work and emphasize the importance of maintaining sediment and surface water controls. All materials removed, including decontamination control materials and personal protective equipment, were to be disposed off site at an appropriate landfill. Materials containing less than 50 mg/kg PCBs were to be transported and disposed at Waste Management's Three Corners Landfill (Subtitle D, Municipal Waste Landfill) located in Piedmont, Alabama. Sediments containing greater than 50 mg/kg PCBs were to be transported and disposed at Chemical Waste Management's Toxic Substances and Control Act (TSCA) Landfill in Emelle, Alabama.

Following removal of the sediments and Dredge Spoil Areas, P/S were to collect representative composite samples from each removal area. A single composite sample was to be collected from residual soil/sediment underlying each removal area, with the

exception of Dredge Spoil Area 5 where two samples were to be collected in order to segregate greater and less than 50 mg/kg PCB concentration material. All samples were to be analyzed for PCBs using immunoassay field screening test methods (USEPA Method 4020).

Photographs of all work performed were to be taken daily. Following completion of the SOW, work activities performed were to be documented in a completion report which would include all testing results, photographs, daily construction logs, and manifests.

2.2 Actual Work Performed

Taylor Corporation (Taylor) was selected as the contractor to perform the work on behalf of P/S. Williams Service provided construction management oversight of the work on behalf of P/S, and the USEPA provided agency oversight of all work outlined in the SOW. Genesis Project, Inc. (Genesis) was selected by P/S to perform post-removal sampling and analysis tasks.

On November 6 and 9, 2009, Williams Service took receipt of hazardous waste roll-off boxes from Action Resources, Inc. for potential use on the project. Mobilization of equipment and associated work did not occur, however, until November 16, 2009 due to inclement weather associated with Hurricane Ida.

On November 16, 2009, Taylor mobilized mechanical equipment, testing equipment, and materials to the site. Upon arrival at the site, a safety kick-off meeting regarding the use of personal protective equipment appropriate for the handling of PCBs and watching out for each other was convened. Dredge Spoil Areas 4, 5 and 6 were located and staked out so that Taylor Land Surveying could survey in and mark the locations. Sediment and surface water controls consisting of perimeter hay bales and silt fence were then placed around the Dredge Spoil Areas to be removed, and an air monitor was placed in the proposed work area. Dredge Spoil Area 6 and the eastern portion of Dredge Spoil Area 5 were subsequently removed and loaded directly into tri-axle

dump trucks provided by Taylor and transported to Three Corners Landfill. Both of these dredge spoil areas contained less than 50 mg/kg PCBs based on pre-characterization data (Appendix A). Additionally, Williams Service met with the City personnel to prepare for the arrival of the City's equipment on November 17, 2009.

Prior to the recommencement of work on November 17, 2009, a safety meeting was held to discuss trips, slips, and falls due to wet conditions. Work commenced with the receipt and placement of approximately eight loads of 24-modified stone and fabric for construction of access roads to provide access for the City to the edges of the Creek bank. In addition, hay bales and silt fence were placed across the Creek for sediment control purposes. Following the installation of the access roads and sediment controls, City personnel began sediment removal activities (less than 50 mg/kg PCBs) on the north side of the Creek. Taylor completed the removal of the western half of Dredge Spoil Area 5 (greater than 50 mg/kg PCBs) and placed the material into hazardous waste roll-off box A-1 which was then transported to and staged at a designated hazardous waste storage area on Solutia Inc. property. Taylor also completed removal of Dredge Spoil Area 4 (less than 50 mg/kg PCBs). The City completed its work on the northern portion of the Creek at approximately 4 pm. Soils comprising Dredge Spoil Area 4 and the sediments removed from the north side of the Creek were placed directly into tri-axle dump trucks provided by Taylor and transported to Three Corners Landfill. Disturbed areas were seeded and mulched prior termination of work for the day.

On November 18, 2009 a safety meeting about traffic controls in congested areas was held prior to the recommencement of work. Taylor arrived at the site and began to deploy additional silt fence with hay bales to allow the City to begin sediment removal activities on the south side of the Creek. A load of "crusher run" was also received and distributed across the site by Taylor. A manhole and drainage cross pipe located on the south side of the Creek were sandbagged and graveled prior to removal of a tree stump located in the Creek. Sediment removal was completed by the City at noon Central Time. All sediments removed were placed directly into tri-axle dump trucks provided

by Taylor and transported to Three Corners Landfill, with the exception of sediments and debris placed into two non-hazardous roll-off boxes supplied by Taylor. All equipment was decontaminated on site on a gravel pad using wire brushes and approved for removal from the site by USEPA oversight personnel. All outside carriers reported to Taylor's headquarters for decontamination at approximately 2:00 p.m. Central Time as witnessed by Williams Service. The site was inspected prior to demobilization, and placement of seed and mulch on disturbed locations was confirmed. Decontamination materials and personal protective equipment were placed in a non-hazardous roll-off box for proper disposal. Additionally, silt fences, hay bales, and other sediment and surface water management controls were removed from the Creek and placed in a non-hazardous roll-off box for proper disposal.

Taylor Land Surveying restaked the corners of removed Dredge Spoil Areas 4, 5 and 6 on November 19, 2009 to identify sampling areas for Genesis.

On November 20, 2009, two of the four non-hazardous roll-off boxes were delivered to Three Corners Landfill for disposal. The remaining two non-hazardous roll-off boxes were delivered to Three Corners Landfill on November 23, 2009. The A-1 hazardous waste roll-off box was transported to Chemical Waste Management's TSCA Landfill in Emelle, Alabama on November 23, 2009. A total of 404.81 tons of non-hazardous waste containing sediments and other debris with PCB concentrations below 50 mg/kg were disposed at Waste Management's Three Corners Landfill in Piedmont, Alabama. A total of 11.70 tons of sediments (western half of Dredge Spoil Area 5) containing PCBs at concentrations greater than 50 mg/kg were disposed at Chemical Waste Management's TSCA Landfill in Emelle, Alabama. A summary of waste disposal activities is provided in Table 1, and copies of waste manifest forms are provided in Appendix E.

There were no significant deviations from the approved SOW. Copies of daily construction reports are included as Appendix B, and a photographic log of

construction activities is provided in Appendix C. Monitoring and sampling activities are described in the next section.

3.0 MONITORING AND SAMPLING ACTIVITIES

Monitoring and sampling activities performed during the removal action included ambient air monitoring, surface water turbidity testing and post-excavation, composite sampling of removal areas. Air monitoring was performed continuously during the performance of work using a Thermo Electron Corporation MIE DataRAM 4, Model DR-4000 real-time particulate monitor. There were no measured exceedances of the 0.5 milligrams per cubic meter action level established for the site. Ambient air monitoring data are summarized in Table 2. Turbidity testing of surface water was conducted at regular intervals on a daily basis at locations upstream and downstream from the location of the work being performed using a HF scientific, inc model DRT-15CE portable turbidimeter. Downstream testing results never exceeded upstream readings by more than a factor of 1.6 (factor of 10 established as control limit). Turbidity testing data are presented in Table 3.

On November 19, 2009, Genesis completed post-excavation soil and sediment sampling at the site. The purpose of the sampling was to characterize residuals that were not removed as part of the removal action. Prior to sampling, the dredge spoil footprints were identified and labeled (i.e., EX-SC-4, EX-SC-5-1, EX-SC-5-2, and EX-SC-6). Three-point composite soil samples were subsequently collected from each location at a depth of 0 to 3 inches. In addition to these samples, five-point composite sediment samples were collected from 0 to 3 inches from the northern and southern bank removal areas (i.e., EX-NS-1 and EX-SS-1). All of the samples were subsequently field screened for PCBs using USEPA Method 4020. A copy of the Genesis sampling report, including a figure showing the sampling locations and a table summarizing the results, is provided in Appendix D.

Foundry fill was routinely observed during performance of the Snow Creek Removal Action work. Observed foundry fill included multi-colored sands, spent coke, slag, assorted metals and a wide variety of refractive debris. Representative samples were collected and logged for possible future analyses. The extensive presence of foundry

fill suggests that other potential responsible parties exist for PCB-impacts to sediments in and along Snow Creek. Photographs of foundry materials observed are included in the photographic log presented in Appendix C.

Table 1
Snow Creek Sediment Removal Action
Waste Disposal Summary

Waste Type	Manifest Number	Container	Date	Tons
Non-Hazardous	11047014	Dump Truck	11/16/09	15.25
	11047015	Dump Truck	11/16/09	9.01
	11047020	Dump Truck	11/17/09	18.77
	11047016	Dump Truck	11/17/09	19.37
	11047018	Dump Truck	11/17/09	19.93
	11047019	Dump Truck	11/17/09	20.62
	11047027	Dump Truck	11/17/09	19.41
	11047026	Dump Truck	11/17/09	21.53
	11047025	Dump Truck	11/17/09	21.00
	11047024	Dump Truck	11/17/09	20.21
	11047022	Dump Truck	11/17/09	18.55
	11047028	Dump Truck	11/18/09	18.03
	11047023	Dump Truck	11/18/09	22.59
	11047021	Dump Truck	11/18/09	19.38
	11047029	Dump Truck	11/18/09	16.71
	11047030	Dump Truck	11/18/09	19.03
	11047053	Dump Truck	11/18/09	19.10
	11047052	Dump Truck	11/18/09	19.33
	11047051	Dump Truck	11/18/09	8.17
	11047050	Dump Truck	11/18/09	19.78
	11047046	Roll-Off Box	11/20/09	2.36
	11047047	Roll-Off Box	11/20/09	15.54
	11047048	Roll-Off Box	11/23/09	18.49
	11047049	Roll-Off Box	11/23/09	2.65
	Total Non-Hazardous			**404.81**
TSCA Regulated	001075869	Roll-Off Box	11/23/09	11.70
	Total TSCA Regulated			**11.70**

Notes:

1. Non-Hazardous material disposed at Waste Management's Three Corners Landfill in Piedmont, Alabama.
2. TSCA regulated material disposed at Chemical Waste Management's TSCA Landfill in Emelle, Alabama.

Table 2
Snow Creek Sediment Removal Action
Ambient Air Monitoring Data

Date	Time	Reading (mg/m3)	Comments
11/16/2009	12:00	0.0	
	12:55	0.0	
	13:30	0.0	
	14:45	0.0	
	15:15	0.0	
	16:45	0.1	
11/17/2009	7:00	na	No testing due to rain.
	8:00	na	No testing due to rain.
	8:55	0.0	
	9:30	0.0	
	10:25	0.0	
	11:20	0.1	
	12:15	0.0	
	13:05	0.0	
	14:00	0.0	
	15:00	0.1	
	15:55	0.0	
11/18/2009	6:00	0.0	
	7:05	0.2	
	8:15	0.1	
	9:30	0.0	
	10:28	0.1	
	11:05	0.1	
	12:15	0.0	

na= no analysis

Table 3
Snow Creek Sediment Removal Action
Turbidity Monitoring Data

		Turbidity		
Date	**Time**	**Upstream**	**Downstream**	**Difference**
11/16/09	13:00	11.30	12.30	8.85%
11/17/09	8:20	7.67	11.88	54.89%
11/17/09	10:00	9.97	11.67	17.05%
11/17/09	11:34	14.20	9.91	-30.21%
11/17/09	12:15	13.21	9.20	-30.36%
11/17/09	14:30	12.47	17.24	38.25%
11/18/09	7:00	8.09	12.10	49.57%
11/18/09	8:30	8.92	6.10	-31.61%
11/18/09	10:00	5.48	6.41	16.97%
11/18/09	11:30	14.45	12.91	-10.66%

Notes:

1. Location refers to upstream and downstream of work performed proximate to Snow Creek.
2. Turbidity measurements in nephelometric turbidity units (NTUs).

Figure 1

Snow Creek Sediment Removal Project Location

APPENDIX A

PROJECT SCOPE OF WORK AND APPROVAL CORRESPONDENCE

SOLUTIA

Solutions for a better life.™

Solutia Inc.
702 Clydesdale Avenue
Anniston, Alabama 36201-5328
Tel 256-231-8400

October 5, 2009

Ms. Pamela J. Langston Scully
Remedial Project Manager
United States Environmental Protection Agency
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303-3104

Re: Anniston PCB Site – Snow Creek Sediment Removal

Dear Ms. Langston Scully:

The City of Anniston (City) has requested support in removing accumulated sediments from a reach of Snow Creek (Creek) located between Pine Street and Glen Addie Avenue as part of its efforts to improve stream flow and reduce flooding potential in this area. Solutia Inc. and Pharmacia Corporation (P/S), as Parties to the Partial Consent Decree (PCD), would like to support the City in its efforts to remove the designated sediments and also propose to remove three Dredge Spoil Areas located along the Creek bank in this area as part of these activities. Please find attached a Scope of Work document describing the proposed activities, responsibilities and schedule for the performance of the work for your review and approval.

The City would like to commence the proposed work in early to mid-October 2009, and we look forward to receiving your approval to proceed. In the interim, please don't hesitate to contact me if you have any questions or require additional information.

Sincerely,

E. Gayle Macolly
Manager, Remedial Projects

attachment

cc: Mr. Jeffery Kitchens (ADEM)
Mr. G. Douglas Jones, Esq.
Mr. Thomas Dahl

CITY OF ANNSTON, ALABAMA
SNOW CREEK SEDIMENT REMOVAL
SCOPE OF WORK

Background: The City of Anniston Public Works Department (City) desires to remove accumulated sediments from Snow Creek (Creek) between Pine Street and Glen Addie Avenue in order to improve stream flow and reduce flooding potential. The scope of removal involves 250 to 500 cubic yards of sediment along the north and south sides of the Creek in this area. In addition, the City would like to remove three Dredge Spoil Areas located on the south side of the Creek (Snow Creek [SC] - 4, 5 and 6) which were created as a result of previous removal activities in this area. The volume of the three Dredge Spoil Areas to be removed is approximately 200 to 250 cubic yards. Previous sampling conducted by Solutia Inc. (Solutia) has indicated the presence of polychlorinated biphenyls (PCBs) in sediments in this area of the Creek, as summarized below.

- Sampling of Creek sediments conducted by Solutia during the Resource Conservation and Recovery Act (RCRA) Off-Site Facility Investigation indicated PCB concentrations ranging from 4 milligram per kilogram (mg/kg) to 34 mg/kg in sediments immediately upstream of Area 1(*Off-Site RCRA Facility Investigation [RFI] Report, Solutia Inc., Anniston, Alabama*, June 2000, BB&L – Figure 3-20, Table 3-15; See Attachment A).
- Sampling of Creek sediments conducted by Solutia in conjunction with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Remedial Investigation of Operable Unit 1/Operable Unit 2 confirmed the RCRA program results (*Preliminary Site Characterization Summary Report for OU-1/OU-2*, December 2007, Arcadis BBL – Figure 3-3, Table 3-7; See Attachment B).
- Composite sampling of the subject Dredge Spoil Areas conducted by Solutia in conjunction with RCRA RFI Program indicated PCB concentrations ranging from 13.8 mg/kg to 88.0 mg/kg. Concentrations exceeding 50.0 mg/kg were limited to the western half of Dredge Spoil Area SC-5 (*Dredge Spoil Area RFI/CS Phase 1 Report, Snow and Choccolocco Creek*, September 13, 1999, Roux Associates, Inc. – Figures 5, 6, and 7, Table 3; See Attachment C).

Purpose: Remove accumulated sediments in specified areas in a manner that minimizes any potential for release or impact to downstream waterways.

Responsibilities:

- Solutia Inc./Pharmacia Corporation (P/S)
  - Install and operate sediment and surface water controls to mitigate sediment release to Creek.
  - Perform upstream and downstream turbidity testing during intrusive activities in the Creek to ensure effective control of sediments during removal activities.
  - Perform dust monitoring to ensure control of fugitive dust emissions, if any.
  - Remove sediments pre-classified as containing greater than 50 mg/kg PCBs (western half of Dredge Spoil Area SC-5) and place in lined roll-off box.
  - Provide transportation and disposal of all removed sediments. Sediments classified as containing less than 50 mg/kg PCBs will be transported to and disposed at Waste Management's Three Corners Landfill (Subtitle D, Municipal Waste Landfill).

Sediments containing greater than 50 mg/kg PCBs will be transported to and disposed at Waste Management's Toxic Substances and Control Act (TSCA) Landfill in Emelle, AL.
    - Provide City workers with disposable booties and coveralls.
    - Decontaminate City equipment after use.
    - Prepare report documenting all activities performed upon completion of work.
- City of Anniston Public Works Department
    - Acquire access at the designated areas to allow for the performance of planned work.
    - Clear brush and overgrowth from proposed removal areas.
    - Provide operated equipment to remove sediments from defined areas containing less than 50 mg/kg PCBs and load into lined roll-off boxes provided by P/S.
    - Re-establish vegetative cover on Creek bank walls, or provide equivalent protection (e.g. rip-rap), as deemed appropriate by the City.
    - Re-establish vegetative cover on Creek bank underlying Dredge Spoil Areas to be removed.

Scope of Work:

- Install sediment and surface water controls prior to commencement of work, as follows:
    - Divert Creek away from removal areas using sand bags or super sacks filled with sand (if required).
    - Place jute and/or hay bales at leading (upstream) edge and along the sides of the proposed removal areas.
    - Check off area immediately downstream of removal area with silt fence and/or hay bales.
    - Install silt fence along perimeters of Dredge Spoil Areas to be removed and maintain under cover if left disturbed at end of work day.
- Perform daily upstream and downstream turbidity testing of Creek during the performance of all removal and restoration activities. If downstream reading exceeds upstream reading by a factor of 10, temporarily suspend work activities, re-evaluate the effectiveness of sediment and surface water controls, and make any modifications necessary to reduce turbidity levels prior to the recommencement of work.
- Perform dust monitoring during the performance of work using a respirable dust monitor (Mini-ram device or equivalent) to ensure control of fugitive dust emissions, if any. If the instrument sustains a reading greater than 0.5 milligrams per cubic meter for more than two minutes, work will be temporarily suspended and dust control practices and engineering controls will be immediately evaluated to determine improvements required to reduce concentrations below this level.
- Convene daily safety meetings prior to the performance of work to review intended scope of daily work and emphasize the maintenance of controls.
- Maintain daily photographic log of all work activities.
- Remove accumulated sediments in defined areas without disturbance below the existing water level on that working day.
- Load removed sediments into lined roll-off boxes placed on polyethylene sheeting. Transport roll-off boxes to appropriate landfill depending on PCB concentrations. If loading is completed too late for direct transport, temporarily stage roll-off box overnight at secure hazardous waste storage area on Solutia Inc. property.

- Restore areas as appropriate.
- Place all equipment used in removal activities on polyethylene sheeting and decontaminate.
- Dispose of sediment, decontamination control materials and personal protective equipment into roll-off boxes for transport to appropriate landfill.
- Prepare completion report documenting all work performed and providing copies of all testing results, photographs, daily construction logs, and manifests.

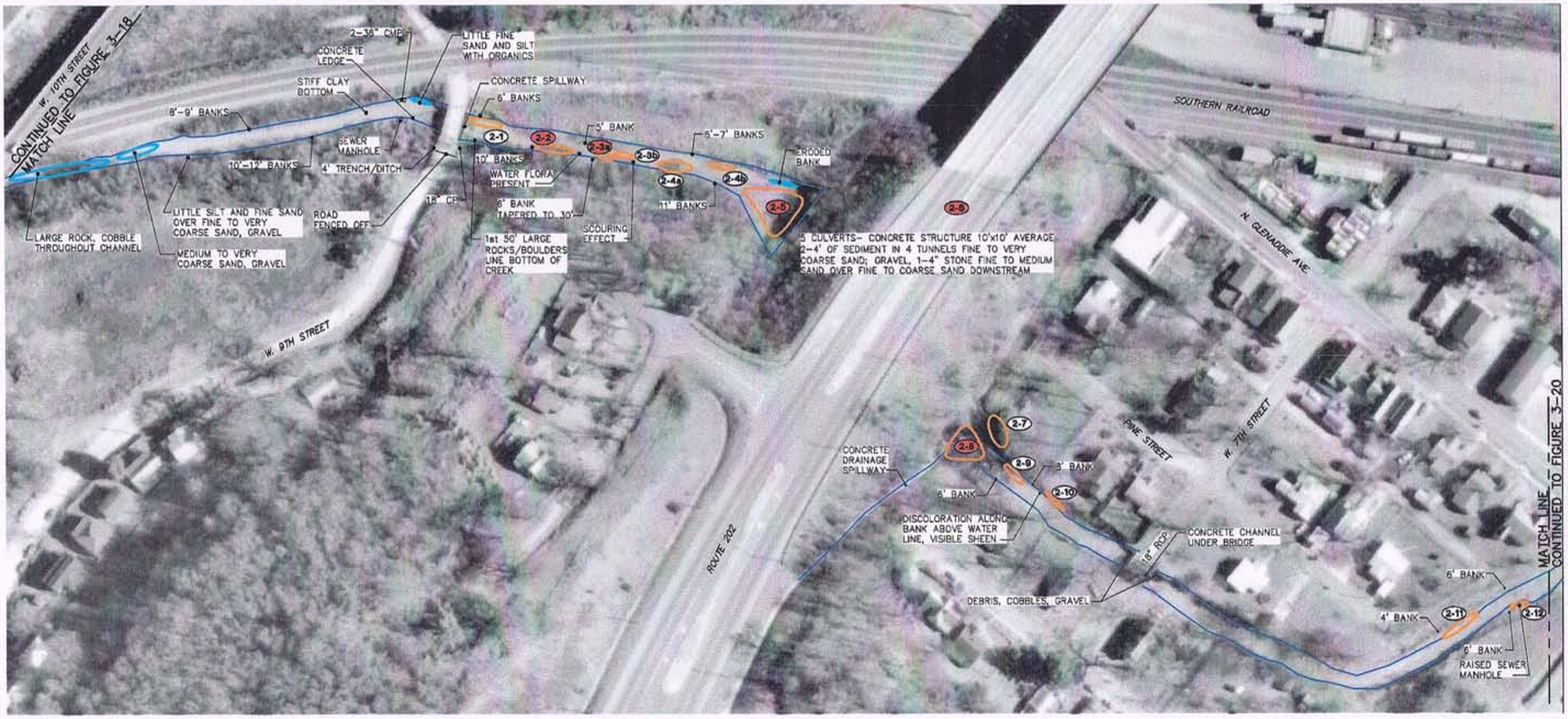
Schedule: The work will be performed in early to mid-October 2009, as dictated by the City's schedule and availability of necessary labor and equipment, and is expected to require one week to complete. Work will be performed during dry weather conditions and may be performed in segments or delayed if necessary to avoid significant storm events.

ATTACHMENT A

Figure 3-20 and Table 3-15

Off-Site RCRA Facility Investigation Report

June 2000



LEGEND

- 1-1 SEDIMENT DEPOSIT
- OTHER CREEK FEATURE
- 1-1 SAMPLED SEDIMENT DEPOSIT

ABBREVIATIONS:

RCP REINFORCED CONCRETE PIPE

CP CONCRETE PIPE

NOTES:

1. BASE AERIAL PHOTOGRAPHY FLOWN BY LOCKWOOD MAPPING IN 1999.
2. LABELS ARE OBSERVATIONS MADE BY FIELD PERSONNEL

APPROXIMATE GRAPHIC SCALE

SOLUTIA INC.
ANNISTON, ALABAMA

OFF-SITE RFI REPORT

SNOW CREEK - SEDIMENT DEPOSIT LOCATIONS AND CREEK CHARACTERIZATION

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE **3-20**

X: 10209X04.TF
L: ON=* OFF=*REF*
P: D2BSPEC.PCP
6/27/00 SYR-54-GMS NES
10209051/10209G04.DWG

Table 3-15

Solutia Inc.
Anniston, Alabama
Off-Site RFI Report

Summary of Snow Creek Sediment Data

Field Sample ID	Sample ID	Sediment Depth to Top (in)	Sediment Depth to Bottom (in)	Textural Class	Sediment Deposit Strata	Mercury (mg/kg)	Total Organic Carbon (mg/kg)	Total PCB (mg/kg)
14-SED-1 (0-2)	S10001	0	2		background	ND(0.0062)		0.40 J
14-SED-1 (2-8)	S10002	2	8		background	0.045		ND(0.081)
14-SED-2 (0-2)	S10003	0	2		background	0.035		0.41
14-SED-2 (2-8)	S10004	2	8		background	0.032		0.45 J
14-SED-2 (8-15)	S10005	8	15		background	0.028		0.064 J
14-SED-3 (0-2)	S10006	0	2		background	ND(0.0054)		0.24
14-SED-3 (2-9)	S10007	2	9		background	0.031		0.11 J
14-SED-3 (9-14)	S10008	9	14		background	0.039		ND(0.082)
14-SED-4 (0-2)	S10009	0	2		background	0.055		0.97
14-SED-4 (2-4)	S10010	2	4		background	0.023		0.14
14-SED-4 (4-15)	S10011	4	15		background	0.03		ND(0.082)
16-SED-1 (0-2)	S10012	0	2		background	0.011 B		ND(0.083)
16-SED-1 (2-7)	S10013	2	7		background	0.029		ND(0.077)
16-SED-2 (0-2)	S10014	0	2		background	0.013 B		ND(0.082)
16-SED-2 (2-8)	S10015	2	8		background	0.020 B		ND(0.079)
16-SED-3 (0-2)	S10016	0	2		background	0.0081 B		0.043 J
16-SED-3 (2-7)	S10017	2	7		background	0.013 B		ND(0.079)
16-SED-4 (0-2)	S10018	0	2		background	0.11		0.24 J
16-SED-4 (2-6.5)	S10019	2	6.5		background	0.017 B		ND(0.078)
S-SED-DUP-1	S10020	2	7		background	0.0083 B		

See notes on page 7.

Table 3-15

Solutia Inc.
Anniston, Alabama
Off-Site RFI Report

Summary of Snow Creek Sediment Data

Field Sample ID	Sample ID	Sediment Depth to Top (in)	Sediment Depth to Bottom (in)	Textural Class	Sediment Deposit Strata	Mercury (mg/kg)	Total Organic Carbon (mg/kg)	Total PCB (mg/kg)
S-1-01 (0-2)	S10021	0	2	fine	terrace	ND(0.013)	24000	3.8 J
S-1-01 (2-8)	S10022	2	8	fine	terrace	8.6 J	33000	31 J
S-1-02 (0-2)	S10023	0	2	fine	terrace		17000	8
S-1-04 (0-2)	S10024	0	2	fine	terrace	0.26 N	91000	14
S-1-04 (2-5)	S10025	2	5	fine	terrace	1.3 J	7900	17
S-1-05 (0-2)	S10026	0	2	fine	terrace		36000	11 J
S-1-07 (0-2)	S10027	0	2	fine	channel		59000	16 J
S-1-07 (2-12)	S10028	2	12	fine	channel		3200	1.2 J
S-1-07 (12-23)	S10029	12	23	fine	channel		ND(500)	ND(0.17)
S-1-08 (0-2)	S10030	0	2	fine	other		70000	32 J
S-1-08 (2-12)	S10031	2	12	fine	other		27000	12
S-SED-D1	S10032	2	12	fine	other		28000	4.3
S-1-08 (12-14.5)	S10033	12	14.5	fine	other		57000	37 J
S-1-10 (0-2)	S10034	0	2	fine	terrace		44000	12 J
S-1-10 (2-12)	S10035	2	12	fine	terrace		46000	29 J
S-1-10 (12-16.5)	S10036	12	16.5	fine	terrace		44000	18
S-1-11A (0-2)	S10037	0	2	fine	terrace		6500	2.2
S-1-11A (2-12)	S10038	2	12	fine	terrace		ND(500)	ND(0.20)
S-1-11A (12-24)	S10039	12	24	fine	terrace		2700	0.39 J
S-1-11B (0-2.5)	S10040	0	2.5	coarse	terrace		18000	12

See notes on page 7.

Table 3-15

Solutia Inc.
Anniston, Alabama
Off-Site RFI Report

Summary of Snow Creek Sediment Data

Field Sample ID	Sample ID	Sediment Depth to Top (in)	Sediment Depth to Bottom (in)	Textural Class	Sediment Deposit Strata	Mercury (mg/kg)	Total Organic Carbon (mg/kg)	Total PCB (mg/kg)
S-1-12 (0-2)	S10041	0	2	fine	terrace		7600	0.67
S-1-12 (2-5)	S10042	2	5	fine	terrace		ND(500)	2.1
S-1-16 (0-2)	S10043	0	2	coarse	terrace		2700	28
S-1-16 (2-5)	S10044	2	5	coarse	terrace		1200	32
S-2-02 (0-3.5)	S10045	0	3.5	fine	aggrading bar		16000	19
S-2-3A (0-3)	S10046	0	3	fine	channel	3.2 J*	12000	3.8
S-SED-D2	S10047	0	3	fine	channel	1.2 J*		
S-2-05 (0-2)	S10048	0	2	coarse	aggrading bar		ND(500)	5.4
S-2-05 (2-5)	S10049	2	5	coarse	aggrading bar		9600	6.4
S-2-08 (0-2)	S10050	0	2	coarse	channel		18000	20
S-2-08 (2-12)	S10051	2	12	coarse	channel		12000	20
S-2-08 (12-16)	S10052	12	16	coarse	channel		1600	4.0
S-2-06B (0-2)	S10053	0	2	coarse	other		ND(500)	13
S-2-06B (2-12)	S10054	2	12	coarse	other		1800	11
S-2-06B (12-20.5)	S10055	12	20.5	coarse	other		3000	34
S-2-06C (0-2)	S10056	0	2	coarse	other		2200	30
S-2-06C (2-12)	S10057	2	12	coarse	other		5000	14
S-2-06C (12-24)	S10058	12	24	coarse	other		5000	23
S-2-06C (24-27)	S10059	24	27	coarse	other		9600	15
S-2-06A (0-2)	S10060	0	2	coarse	other		12000	22

See notes on page 7.

Table 3-15

Solutia Inc.
Anniston, Alabama
Off-Site RFI Report

Summary of Snow Creek Sediment Data

Field Sample ID	Sample ID	Sediment Depth to Top (in)	Sediment Depth to Bottom (in)	Textural Class	Sediment Deposit Strata	Mercury (mg/kg)	Total Organic Carbon (mg/kg)	Total PCB (mg/kg)
S-2-06A (2-5)	S10061	2	5	coarse	other		2700	8.9
S-2-16 (0-2)	S10062	0	2	coarse	channel		13000	4.0
S-2-16 (2-4)	S10063	2	4	coarse	channel		16000	3.3
S-3-01 (0-2)	S10064	0	2	coarse	channel		12000	3.3
S-3-01 (2-8)	S10065	2	8	coarse	channel		12000	4.8
S-3-02 (0-2)	S10066	0	2	coarse	terrace		22000	8.1
S-3-02 (2-12)	S10067	2	12	coarse	terrace		24000	11
S-3-02 (12-15.5)	S10068	12	15.5	coarse	terrace		32000	17
S-3-05 (0-2)	S10069	0	2	fine	channel		20000	1.4
S-3-05 (2-10.5)	S10070	2	10.5	fine	channel		11000	2.1
S-3-07 (0-2)	S10071	0	2	coarse	aggrading bar		9600	0.66
S-3-07 (2-8)	S10072	2	8	coarse	aggrading bar		18000	0.76
S-4-02 (0-2)	S10073	0	2	fine	terrace		15000	1.1
S-4-02 (2-4)	S10074	2	4	fine	terrace		3000	0.58 J
S-5-01 (0-3.5)	S10075	0	3.5	coarse	terrace		1400	0.65
S-SED-D4	S10076	0	3.5	coarse	terrace		ND(500)	0.76
S-5-02 (0-3.5)	S10077	0	3.5	fine	terrace		8700	4.5
S-5-03 (0-2)	S10078	0	2	fine	terrace		15000	5.8
S-5-03 (2-4)	S10079	2	4	fine	terrace		ND(500) J	1.6
S-5-04 (0-2)	S10080	0	2	coarse	terrace		ND(500) J	1.8

See notes on page 7.

Table 3-15

Solutia Inc.
Anniston, Alabama
Off-Site RFI Report

Summary of Snow Creek Sediment Data

Field Sample ID	Sample ID	Sediment Depth to Top (in)	Sediment Depth to Bottom (in)	Textural Class	Sediment Deposit Strata	Mercury (mg/kg)	Total Organic Carbon (mg/kg)	Total PCB (mg/kg)
S-5-04 (2-6)	S10081	2	6	coarse	terrace		2300	1.9
S-5-05 (0-2)	S10082	0	2	coarse	aggrading bar		ND(500)	1.2
S-5-05 (2-4)	S10083	2	4	coarse	aggrading bar		ND(500)	1.9
S-5-06 (0-2)	S10084	0	2	fine	aggrading bar		ND(500)	2.7
S-5-06 (2-5)	S10085	2	5	fine	aggrading bar		ND(500)	2.3
S-5-13 (0-3.5)	S10086	0	3.5	coarse	aggrading bar		ND(500)	1.3
S-5-14A (0-2)	S10087	0	2	coarse	aggrading bar		1200	1.5
S-5-14A (2-5)	S10088	2	5	coarse	aggrading bar		ND(500)	0.92
S-5-14B (0-2)	S10089	0	2	coarse	aggrading bar		ND(500)	1.6
S-5-14B (2-5.5)	S10090	2	5.5	coarse	aggrading bar		ND(500)	1.6
S-5-24 (0-2)	S10091	0	2	coarse	channel		ND(500)	1.2
S-5-24 (2-12)	S10092	2	12	coarse	channel		ND(500)	1.2
S-6-01 (0-2)	S10093	0	2	coarse	aggrading bar		ND(500)	1.3
S-6-01 (2-12)	S10094	2	12	coarse	aggrading bar		ND(500)	4.7
S-6-02 (0-2)	S10095	0	2	fine	channel	0.51 N	4700	5.8
S-6-02 (2-5)	S10096	2	5	fine	channel	R	8300	5.6
S-6-03 (0-2)	S10097	0	2	fine	channel		36000	41 J
S-6-03 (2-12)	S10098	2	12	fine	channel		5600	7.3
S-SED-D5	S10099	2	12	fine	channel		4100	11 J
S-6-05 (0-2)	S10100	0	2	fine	terrace		13000	2.2 J

See notes on page 7.

Table 3-15

Solutia Inc.
Anniston, Alabama
Off-Site RFI Report

Summary of Snow Creek Sediment Data

Field Sample ID	Sample ID	Sediment Depth to Top (in)	Sediment Depth to Bottom (in)	Textural Class	Sediment Deposit Strata	Mercury (mg/kg)	Total Organic Carbon (mg/kg)	Total PCB (mg/kg)
S-6-05 (2-6.5)	S10101	2	6.5	fine	terrace		19000	3.9
S-6-07 (0-2)	S10102	0	2	fine	channel		ND(500)	0.43
S-6-07 (2-12)	S10103	2	12	fine	channel		32000	0.077 J
S-6-07 (12-24)	S10104	12	24	fine	channel		32000	ND(0.22)
S-6-07 (24.26.5)	S10105	24	26.5	fine	channel		250000	ND(0.20)
S-6-09 (0-2)	S10106	0	2	fine	aggrading bar		3400	3.3
S-6-09 (2-6.5)	S10107	2	6.5	fine	aggrading bar		11000	2.1
S-6-10 (0-2)	S10108	0	2	fine	terrace	0.58 N	3100	1.5
S-6-10 (2-12)	S10109	2	12	fine	terrace	2.6 J	14000	4.9
S-6-13 (0-2)	S10110	0	2	fine	aggrading bar		5100	3.9
S-6-13 (2-7.5)	S10111	2	7.5	fine	aggrading bar		25000	8.1
S-6-15 (0-2)	S10112	0	2	fine	aggrading bar		ND(500)	1.3
S-6-15 (2-12.5)	S10113	2	12.5	fine	aggrading bar		13000	4.5
S-6-04 (0-3.5)	S10114	0	3.5	coarse	channel		1200	4.4
S-6-17 (0-2)	S10115	0	2	coarse	aggrading bar		8500	9.5
S-6-17 (2-10)	S10116	2	10	coarse	aggrading bar		16000	6.3
S-6-21 (0-2)	S10117	0	2	coarse	aggrading bar		5900	1.7
S-6-21 (2-4.5)	S10118	2	4.5	coarse	aggrading bar		6200	1.8
S-6-23 (0-2)	S10119	0	2	fine	aggrading bar		3600	1.1
S-6-23 (2-7)	S10120	2	7	fine	aggrading bar		9400	1.6

See notes on page 7.

Table 3-15

Solutia Inc.
Anniston, Alabama
Off-Site RFI Report

Summary of Snow Creek Sediment Data

Field Sample ID	Sample ID	Sediment Depth to Top (in)	Sediment Depth to Bottom (in)	Textural Class	Sediment Deposit Strata	Mercury (mg/kg)	Total Organic Carbon (mg/kg)	Total PCB (mg/kg)
S-6-25 (0-2.5)	S10121	0	2.5	coarse	aggrading bar		5500	4.4
S-6-26 (0-2)	S10122	0	2	fine	terrace		9100	ND(0.17)
S-6-26 (2-12)	S10123	2	12	fine	terrace		10000	ND(0.18)
S-6-26 (12-24)	S10124	12	24	fine	terrace		7000	ND(0.17)
S-6-26 (24-33)	S10125	24	33	fine	terrace		3800	ND(0.17)
S-SED-D6	S10126	2	12	fine	terrace		8100	ND(0.17)
S-6-27 (0-2)	S10127	0	2	coarse	aggrading bar		2400	2.1
S-6-27 (2-12)	S10128	2	12	coarse	aggrading bar		35000	2.8
S-6-27 (12-15.5)	S10129	12	15.5	coarse	aggrading bar		1600	5.6
S-SED-D7	S10130	2	12	coarse	aggrading bar		54000	5.0
S-SED-D3	S10131	12	20.5	coarse	other		8400	60

Notes:

J - The compound/analyte was positively identified; however, the associated numerical value is an estimated concentration only.
N - The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
B - The reported value was obtained from a reading less than the contract required detection limit (CRDL) but greater than or equal to the instrument detection limit (IDL).
* - Duplicate analysis not within control limit.
R - The sample results were rejected.
ND - Not detected. (Number in parentheses denotes the quantitation limit.

ATTACHMENT B

Figure 3-3 and Table 3-7

Preliminary Site Characterization Summary Report for OU-1/OU-2

December 2007

12/10/07 ROCH-85EAB
annioston
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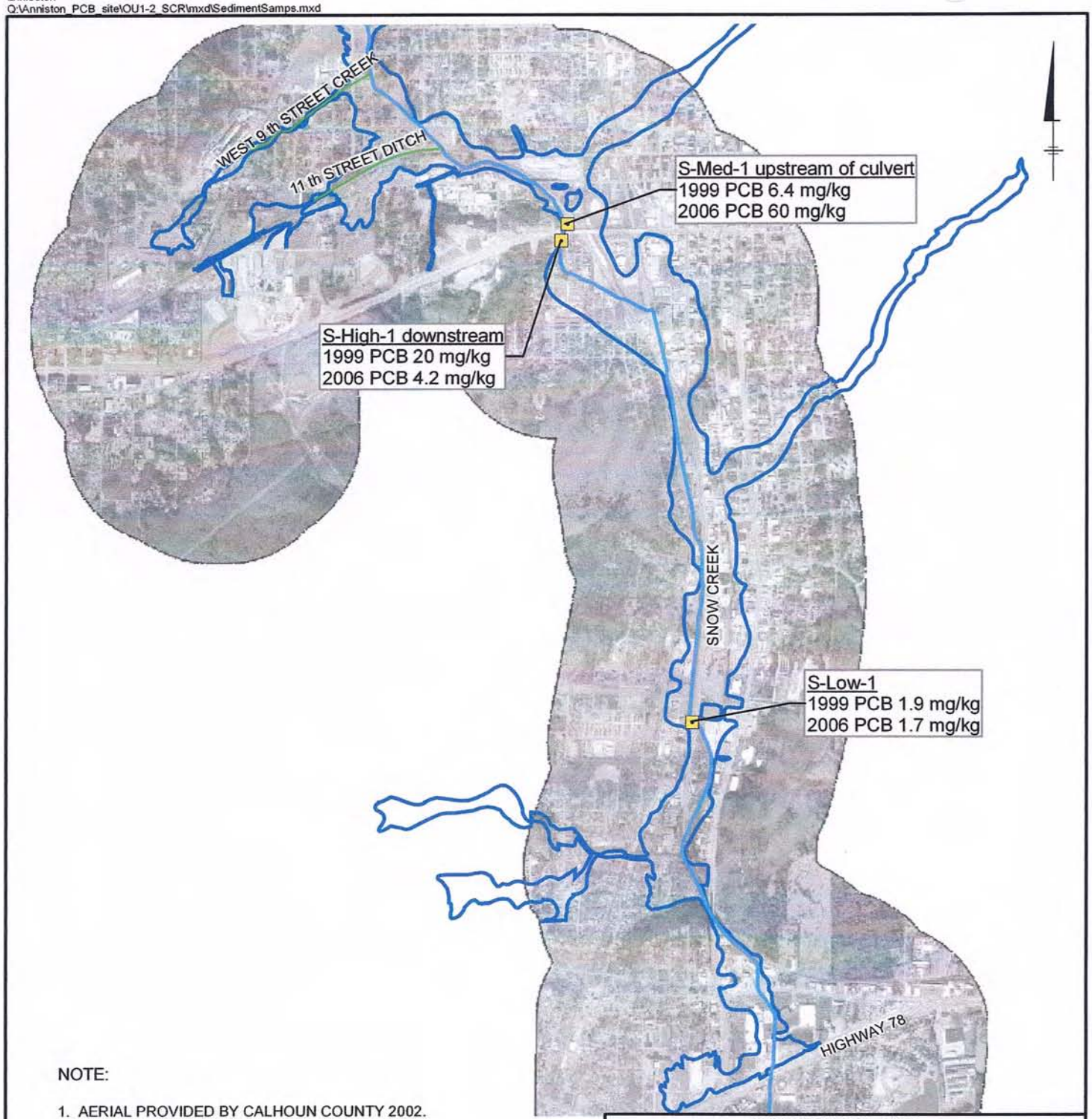


NOTE:

1. AERIAL PROVIDED BY CALHOUN COUNTY 2002.

LEGEND:

- SEDIMENT SAMPLE LOCATION
- SNOW CREEK
- 100-YEAR FLOODPLAIN AND DRAINAGE

0 2,500 5,000 Feet

GRAPHIC SCALE

ANNISTON PCB SITE
ANNISTON, ALABAMA
PRELIMINARY SITE CHARACTERIZATION SUMMARY REPORT FOR OU-1/OU-2

SEDIMENT SAMPLING LOCATIONS AND PCB RESULTS

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
3-3

TABLE 3-7
OU-1/OU-2 INVESTIGATION SEDIMENT DATA

PRELIMINARY SITE CHARACTERIZATION SUMMARY REPORT FOR OU-1/OU-2
ANNISTON PCB SITE, ANNISTON, ALABAMA

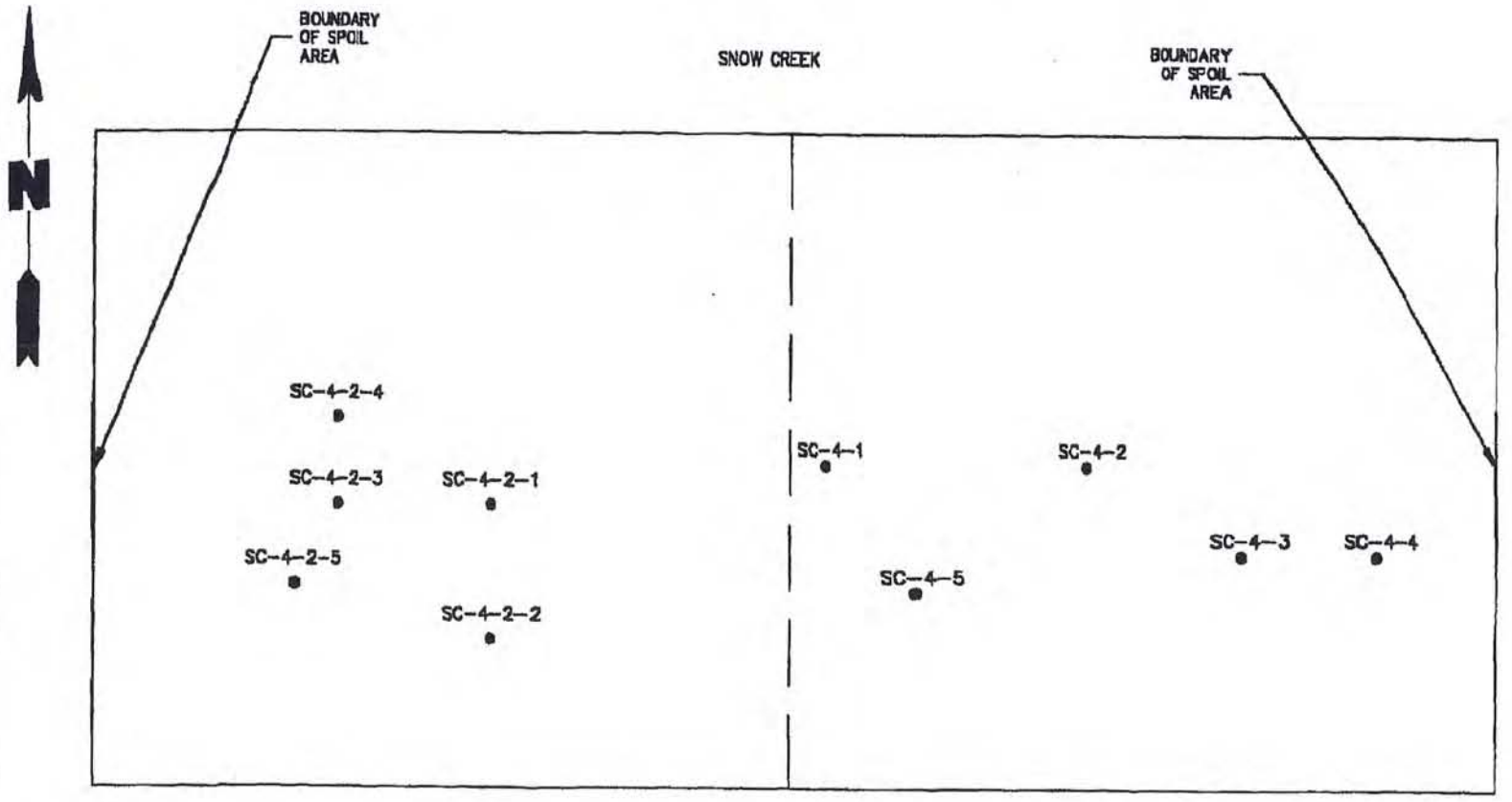
Location ID			S-LOW-1	S-MED-1	S-HIGH-1	S-HIGH-1
Sample ID			S10136	S10134	S10135	S10137
QC Notes						Dup (S10135)
SAMPLEDATE			8/17/06	8/17/06	8/17/06	8/17/06
Description			brown fine sand with medium to coarse sand and gravel	brown fine sand, some medium to coarse sand, little gravel	grey brown fine sand, a little medium to coarse sand, a little organic matter	grey brown fine sand, a little medium to coarse sand, a little organic matter
Depth Top (in)			0	0	0	0
Depth Bottom (in)		Screening Values	6	8	18	18
Solids, Percent	%	N/A	94.9	77.9	75.2	78.2
Total Organic Carbon	mg/kg	N/A	4150	16400 J	12700 J	2980 J
Aroclor-1016	mg/kg	0.033	0.11 U	4.3 U	0.22 U	0.21 U
Aroclor-1221	mg/kg	0.067	0.11 U	4.3 U	0.22 U	0.21 U
Aroclor-1232	mg/kg	0.033	0.11 U	4.3 U	0.22 U	0.21 U
Aroclor-1242	mg/kg	0.033	0.22	4.3 U	1100 J	0.29 J
Aroclor-1248	mg/kg	0.033	0.11 U	4.3 U	0.22 U	0.21 U
Aroclor-1254	mg/kg	0.033	0.97	46	2.2	1.5
Aroclor-1260	mg/kg	0.033	0.51	14	0.92	0.53
Aroclor-1262	mg/kg	N/A	0.11 U	4.3 U	0.22 U	0.21 U
Aroclor-1268	mg/kg	0.033	0.11 U	4.3 U	0.22 U	0.21 U
Total PCBs	mg/kg	N/A	1.7	60	4.22 J	2.32 J
1,1,1-Trichloroethane	ug/kg	213	5.7 U	5.6 UJ	6.1 U	6 U
1,1,2,2-Tetrachloroethane	ug/kg	850	5.7 UJ	5.6 UJ	6.1 UJ	6 UJ
1,1,2-trichloro-1,2,2-trifluoroethane	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
1,1,2-Trichloroethane	ug/kg	518	5.7 U	5.6 UJ	6.1 U	6 U
1,1-Dichloroethane	ug/kg	0.575	5.7 U	5.6 UJ	6.1 U	6 U
1,1-Dichloroethene	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
1,2,4-Trichlorobenzene	ug/kg	5062	5.7 UJ	5.6 UJ	6.1 UJ	6 UJ
1,2-Dibromo-3-chloropropane	ug/kg	N/A	5.7 UJ	5.6 UJ	6.1 UJ	6 UJ
1,2-Dibromoethane	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
1,2-Dichlorobenzene	ug/kg	294	5.7 UJ	5.6 UJ	6.1 UJ	6 UJ
1,2-Dichloroethane	ug/kg	260	5.7 U	5.6 UJ	6.1 U	6 U
1,2-Dichloropropane	ug/kg	333	5.7 U	5.6 UJ	6.1 U	6 U
1,3-Dichlorobenzene	ug/kg	1315	5.7 UJ	5.6 UJ	6.1 UJ	6 UJ
1,4-Dichlorobenzene	ug/kg	318	5.7 UJ	5.6 UJ	6.1 UJ	6 UJ
2-Butanone	ug/kg	42.4	6.7	1.8 J	7 J	6.3 J
2-Hexanone	ug/kg	58.2	5.7 U	5.6 UJ	6.1 U	6 U
4-Methyl-2-pentanone	ug/kg	25.1	5.7 U	5.6 UJ	6.1 U	6 U
Acetone	ug/kg	N/A	37	21 J	57 J	51 J
Benzene	ug/kg	142	5.7 U	5.6 UJ	1.6 J	2 J
Bromochloromethane	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
Bromodichloromethane	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
Bromoform	ug/kg	492	5.7 U	5.6 UJ	6.1 U	6 U
Bromomethane	ug/kg	1.37	5.7 U	5.6 UJ	6.1 U	6 U
Carbon Disulfide	ug/kg	23.9	3.8 J	3.8 J	7.1	8.6 J
Carbon Tetrachloride	ug/kg	1450	5.7 U	5.6 UJ	6.1 U	6 U
Chlorobenzene	ug/kg	291	5.7 U	5.6 UJ	6.1 U	6 U
Chloroethane	ug/kg	N/A	5.7 UJ	5.6 UJ	6.1 UJ	6 UJ
Chloroform	ug/kg	121	5.7 U	5.6 UJ	6.1 U	6 U
Chloromethane	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
cis-1,2-Dichloroethene	ug/kg	19.4	5.7 U	5.6 UJ	6.1 U	6 U
cis-1,3-Dichloropropene	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
Cyclohexane	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
Dibromochloromethane	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
Dichlorodifluoromethane	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
Ethylbenzene	ug/kg	175	5.7 U	5.6 UJ	6.1 U	6 U
Isopropylbenzene	ug/kg	N/A	5.7 UJ	5.6 UJ	6.1 UJ	6 UJ
m,p-Xylenes	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
Methyl Acetate	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
Methyl tert-butyl ether	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U
Methylcyclohexane	ug/kg	N/A	5.7 U	5.6 UJ	6.1 U	6 U

ATTACHMENT C

Figures 5, 6 and 7 and Table 3

Dredge Spoil Area RFI/CS Phase 1 Report, Snow and Choccolocco Creeks

September 1999



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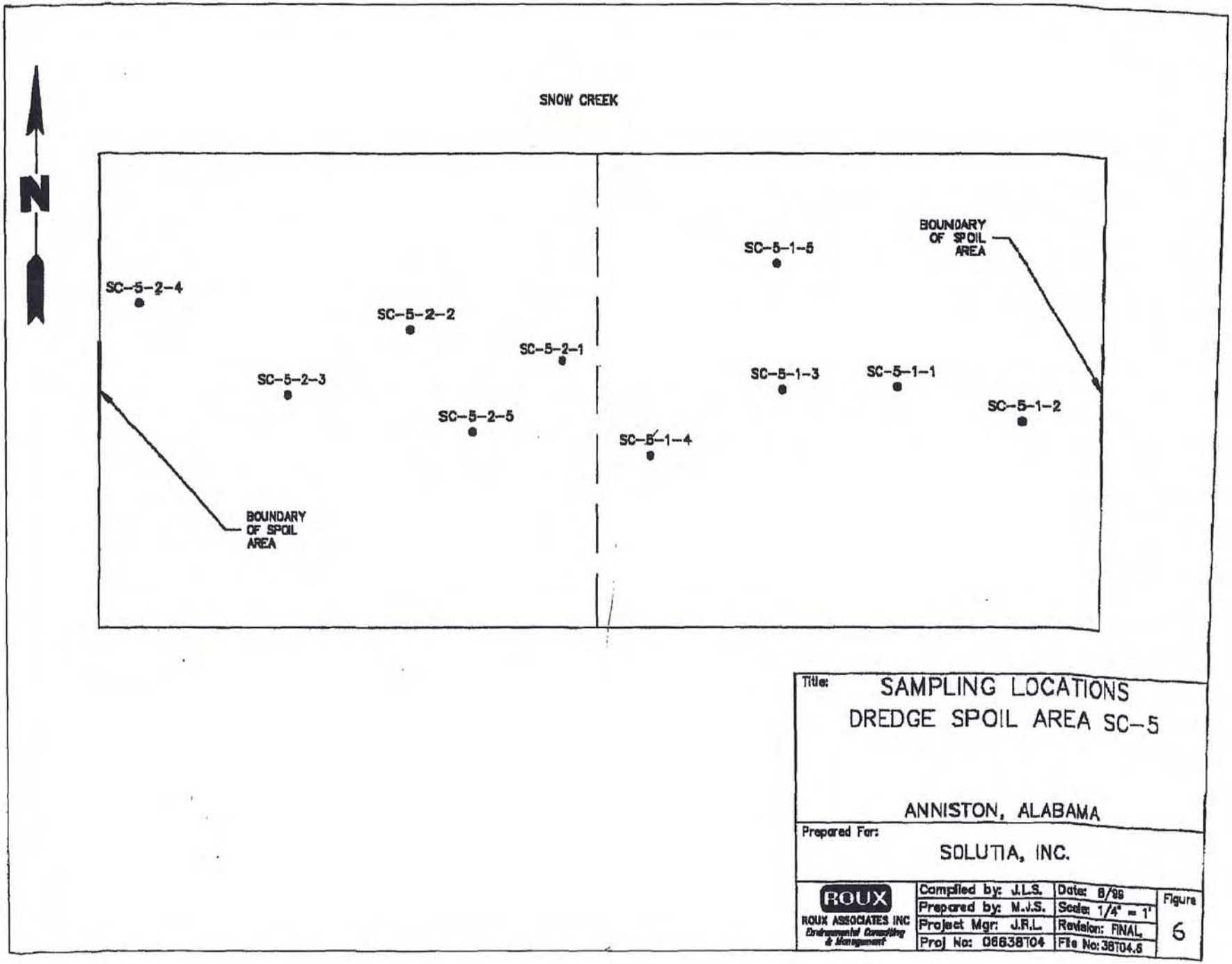
DREDGE SPOIL AREA SC-4

ANNISTON, ALABAMA

Prepared For:
SOLUTIA, INC.

ROUX
ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99	Figure
Prepared by: M.J.S.	Scale: 1/4" = 1'	5
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No: 38T04.5	



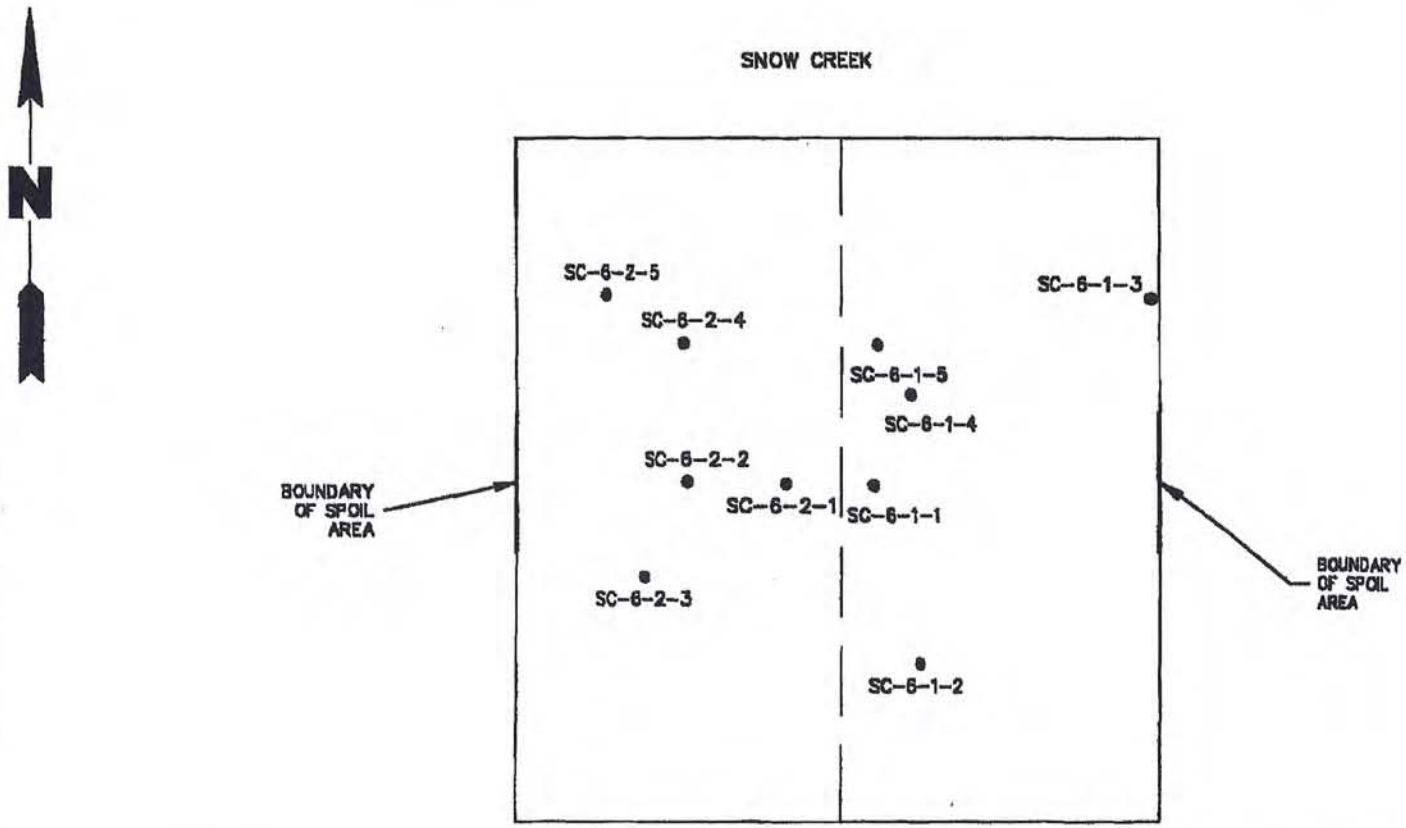
Title: SAMPLING LOCATIONS
DREDGE SPOIL AREA SC-5

ANNISTON, ALABAMA

Prepared For:
SOLUTIA, INC.

ROUX
ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/98	Figure
Prepared by: M.J.S.	Scale: 1/4" = 1'	6
Project Mgr: J.R.L.	Revision: FINAL	
Proj No: 06638T04	File No: 38T04.6	



Title: SAMPLING LOCATIONS
DREDGE SPOIL AREA SC-6

ANNISTON, ALABAMA

Prepared For:
SOLUTIA, INC.

ROUX
ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: J.L.S.	Date: 8/99
Prepared by: M.J.S.	Scale: 1/4" = 1'
Project Mgr: J.R.L.	Revision: FINAL
Proj No: 06636T04	File No: 38T04.7

Figure 7

Table 3. Soil Analyses, Dredge Spoil Areas, Snow and Choccolocco Creeks, Calhoun and Talledega Counties, AL. Page 1 of 3

Area	Sample I.D.	Arochlor 1016 (mg/Kg)	Arochlor 1221 (mg/Kg)	Arochlor 1232 (mg/Kg)	Arochlor 1242 (mg/Kg)	Arochlor 1248 (mg/Kg)	Arochlor 1254 (mg/Kg)	Arochlor 1260 (mg/Kg)	Total PCBs (mg/Kg)	Mercury (mg/Kg)
Snow Creek										
SC-1	SC-1	<0.700	<1.400	<0.700	<0.700	2.200	12.000	5.400	19.600	0.25
SC-3	SC-3	<0.720	<1.400	<0.720	<0.720	3.300	15.000	6.600	24.900	0.20
SC-4	SC-4-1	<0.350	<0.710	<0.350	<0.350	2.300	7.700	3.800	13.800	NA
	SC-4-2	<0.700	<1.400	<0.700	<0.700	2.300	9.700	5.400	17.400	NA
SC-5	SC-5-1	<0.720	<1.400	<0.720	<0.720	<0.720	9.500	4.700	14.200	NA
	SC-5-2	<3.600	<7.300	<3.600	<3.600	29.000	43.000	16.000	88.000	NA
SC-6	SC-6-1	<0.720	<1.400	<0.720	<0.720	2.900	12.000	5.000	19.900	NA
	SC-6-2	<3.800	<7.600	<3.800	<3.800	<3.800	21.000	9.300	30.300	NA
SC-7	SC-7-1	<0.370	<0.750	<0.370	<0.370	<0.370	2.800	1.800	4.600	NA
	SC-7-2	<0.037	<0.075	<0.037	<0.037	0.044	0.440	0.780	1.264	NA
	SC-7-3	<0.038	<0.077	<0.038	<0.038	0.052	0.640	0.840	1.532	NA
	SC-7-4	<0.038	<0.076	<0.038	<0.038	0.067	0.580	0.470	1.117	0.19
	SC-7-5	<0.037	<0.075	<0.037	<0.037	<0.037	0.240	0.280	0.520	NA
	SC-7-6	<0.370	<0.750	<0.370	<0.370	0.980	1.800	2.500	5.280	NA
	SC-7-7	<0.180	<0.370	<0.180	<0.180	0.340	0.580	0.760	1.680	NA
	SC-7-8	<0.072	<0.150	<0.072	<0.072	0.270	0.600	0.630	1.500	NA
	SC-7-9	<1.800	<3.700	<1.800	<1.800	4.700	7.900	6.400	19.000	NA
SC-8	SC-8-1	<0.036	<0.074	<0.036	<0.036	0.190	0.470	0.510	1.170	0.27
	SC-8-2	<1.800	<3.600	<1.800	<1.800	6.200	13.000	9.500	28.700	NA
	SC-8-3	<0.076	<0.150	<0.076	<0.076	0.340	1.000	0.860	2.200	NA
	SC-8-4	<0.038	<0.077	<0.038	<0.038	0.140	0.290	0.320	0.750	NA
	SC-8-5	<0.073	<0.150	<0.073	<0.073	0.530	1.100	1.000	2.630	NA
	SC-8-6	<0.380	<0.760	<0.380	<0.380	1.500	3.100	2.200	6.800	NA
	SC-8-7	<0.750	<1.500	<0.750	<0.750	3.200	5.700	5.100	14.000	NA

NA=Not Analyzed.
mg/Kg = milligrams per kilogram or parts per million
<X.XXX = laboratory detection limit

Table 3. Soil Analyses, Dredge Spoil Areas, Snow and Choccolocco Creeks, Calhoun and Talledega Counties, AL. Page 2 of 3

Area	Sample I.D.	Arochlor 1016 (mg/Kg)	Arochlor 1221 (mg/Kg)	Arochlor 1232 (mg/Kg)	Arochlor 1242 (mg/Kg)	Arochlor 1248 (mg/Kg)	Arochlor 1254 (mg/Kg)	Arochlor 1260 (mg/Kg)	Total PCBs (mg/Kg)	Mercury (mg/Kg)
Snow Creek										
SC-8	SC-8-8	<0.380	<0.760	<0.380	<0.380	1.100	2.300	2.000	5.400	NA
	SC-8-9	<0.370	<0.750	<0.370	<0.370	2.000	3.600	4.300	9.900	NA
	SC-8-10	<1.900	<3.800	<1.900	<1.900	8.400	16.000	9.800	34.200	NA
	SC-8-11	<1.900	<3.800	<1.900	<1.900	7.000	25.000	14.000	46.000	NA
	SC-8-20	<1.800	<3.700	<1.800	<1.800	6.000	12.000	9.100	27.100	NA
Choccolocco Creek										
CC-7	7-1	<0.180	<0.380	<0.180	<0.180	0.620	0.990	0.760	2.370	NA
	7-2	<0.038	<0.077	<0.038	<0.038	0.240	0.440	0.700	1.380	1.0
CC-9	9-1	<0.035	<0.071	<0.035	<0.035	0.130	0.130	0.140	0.400	3.9
	9-2	<0.036	<0.072	<0.036	<0.036	0.062	0.110	0.130	0.302	NA
	9-20	<0.035	<0.071	<0.035	<0.035	0.083	0.140	0.190	0.413	NA
CC-23	23-1	<0.360	<0.720	<0.360	<0.360	0.780	1.800	1.700	4.280	NA
	23-2	<0.390	<0.800	<0.390	<0.390	1.300	2.800	2.300	6.400	NA
	23-3	<0.072	<0.140	<0.072	<0.072	0.370	0.800	0.800	1.970	NA
	23-4	<0.190	<0.380	<0.190	<0.190	0.660	1.700	1.500	3.860	NA
	23-5	<0.760	<1.500	<0.760	<0.760	<0.760	6.100	4.700	10.800	0.65
	23-6	<0.380	<0.770	<0.380	<0.380	0.470	2.900	3.400	6.770	NA
CC-24	24-1	<0.170	<0.350	<0.170	<0.170	0.450	0.890	0.720	2.060	NA
	24-2	<0.180	<0.360	<0.180	<0.180	0.590	1.600	1.500	3.690	NA
	24-3	<0.370	<0.750	<0.370	<0.370	1.300	3.400	3.100	7.800	NA
	24-4	<0.200	<0.400	<0.200	<0.200	0.920	2.000	2.000	4.920	NA
	24-5	<0.069	<0.140	<0.069	<0.069	0.330	0.460	0.380	1.170	NA
	24-6	<0.180	<0.360	<0.180	<0.180	0.410	0.650	0.660	1.720	NA

NA=Not Analyzed.
mg/Kg = milligrams per kilogram or parts per million
<X.XXX = laboratory detection limit

Table 3. Soil Analyses, Dredge Spoil Areas, Snow and Choccolocco Creeks, Calhoun and Talledega Counties, AL. Page 3 of 3

Area	Sample I.D.	Arochlor 1016 (mg/Kg)	Arochlor 1221 (mg/Kg)	Arochlor 1232 (mg/Kg)	Arochlor 1242 (mg/Kg)	Arochlor 1248 (mg/Kg)	Arochlor 1254 (mg/Kg)	Arochlor 1260 (mg/Kg)	Total PCBs (mg/Kg)	Mercury (mg/Kg)
Choccolocco Creek										
CC-24	24-7	<0.360	<0.730	<0.360	<0.360	0.840	1.400	1.400	3.640	NA
	24-8	<0.760	<1.500	<0.760	<0.760	1.700	3.500	3.700	8.900	NA
	24-9	<0.360	<0.740	<0.360	<0.360	0.770	1.700	1.900	4.370	NA
	24-10	<0.350	<0.720	<0.350	<0.350	0.550	2.100	2.000	4.650	2.0
	24-11	<0.180	<0.360	<0.180	<0.180	0.610	0.930	0.750	2.290	NA
	24-20	<0.830	<1.700	<0.830	<0.830	1.200	2.500	2.600	6.300	NA
CC-26	26-1	<0.190	<0.380	<0.190	<0.190	1.500	1.500	0.930	3.930	2.6
	26-2	<0.170	<0.360	<0.170	<0.170	0.360	0.560	0.630	1.550	NA
CC-29	29-1	<0.190	<0.380	<0.190	<0.190	0.510	0.820	0.640	1.970	NA
	29-2	<0.370	<0.750	<0.370	<0.370	1.400	2.000	1.200	4.600	NA
	29-3	<0.076	<0.150	<0.076	<0.076	1.100	0.750	0.600	2.450	3.6
	29-4	<0.180	<0.370	<0.180	<0.180	0.660	1.500	1.100	3.260	NA

NA=Not Analyzed.
mg/Kg = milligrams per kilogram or parts per million
<XXX = laboratory detection limit

John Loper

From: Macolly, E Gayle [egmaco@solutia.com]
Sent: Wednesday, October 28, 2009 3:32 PM
To: Scully.Pam@epamail.epa.gov
Cc: jloper@lopergroup.com; Mike Price
Subject: City of Anniston Scope Change

Hi Pam,

Confirming our discussion earlier today, Solutia Inc. and Pharmacia Corporation (P/S) plan to commence the proposed sediment removal support work in Snow Creek described in my earlier correspondence to you dated October 5, 2009 on or about Monday, November 9, 2009. The work will be performed in cooperation with the City of Anniston, and we plan to engage Taylor Corporation to provide required support services under our direction to prevent the uncontrolled release of PCBs into the environment. Taylor Corporation will perform all such work operating under our existing, approved Health and Safety Plan. As discussed, the previously provided scope of work will be adhered to with one modification as follows:

* Amendment No. 1 - Collect a representative composite sample from residuals underlying each discrete removal area (one composite sample per removal area, with the exception of Dredge Spoil Area SC-5 where two samples will be collected [eastern ½ and western ½] in order to segregate greater and less than 50 milligrams per kilogram PCB concentration material) and analyze for polychlorinated biphenyls (PCBs) using immunoassay field screening test methods (USEPA Method 4020).

We will keep you advised of proposed work schedules so that you can schedule oversight personnel accordingly. In the interim, please don't hesitate to contact me if you have any questions or need additional information.

Take care,
Gayle

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

OCT 2 9 2009

VIA CERTIFIED MAIL

Ms. Cathleen S. Bumb, Esq.
Solutia, Inc.
P.O. Box 66760
St. Louis, Missouri 63166-6760

Subject: Snow Creek Removal Work and Alabama Department of Transportation Removal Work at the Anniston PCB Site, Anniston, Calhoun County, Alabama

Dear Ms. Bumb:

The United States Environmental Protection Agency ("EPA") understands that Solutia, Inc. ("Solutia") will remove PCB-contaminated sediment from a portion of Snow Creek between Pine Street and Glen Addie Avenue as part of a flood-control project to be completed by the City of Anniston. This removal work will be done as part of Solutia's response obligations under the Partial Consent Decree ("PCD"), entered by the United States District Court for the Northern District of Alabama on August 4, 2003, the Administrative Order on Consent for Removal Action ("Removal Order"), Exhibit C to the PCD, and the Non-Time Critical Removal Agreement ("NTC Removal Agreement"), Exhibit G to the PCD, for the Anniston PCB Site.

Moreover, EPA also understands that additional removal work may be needed in the near future to accommodate the I-20 bridge project to be undertaken by the Alabama Department of Transportation ("ALDOT"), and a gas pipeline crossing to be installed in the vicinity of Choccolocco Creek.

EPA believes that these removals can be accomplished under Section VI, Paragraph 7 of both the Removal Order and NTC Removal Agreement, which state in relevant part:

> If any incident, or change in Site conditions, during the actions conducted pursuant to this [Order/Agreement] causes or threatens to cause an additional release of hazardous substances from the Site or an endangerment to public health, welfare, or the environment, Defendants shall immediately take all appropriate action. Defendants shall taken these actions in accordance with all applicable provisions of this [Order/Agreement], including, but not limited to the Health and Safety Plan, in order to prevent, abate or minimize such release or endangerment caused or threatened by the release.

For all such removal work, Solutia shall submit draft work plans to EPA's Project Coordinator, Ms. Pamela J. Langston Scully, for review and approval. Upon approval by EPA's Project Coordinator, Solutia may commence such work, subject to EPA oversight. Further, EPA notes that Solutia may be responsible for additional removal and/or remedial action at these locations as part of the Site.

Thank you for your continued work and cooperation at the Site. If you have any legal questions or concerns, please feel free to contact me at (404) 562-9701. If you have any technical questions or concerns, you may contact Pam Scully at (404) 562-8935.

Sincerely,

Suzanne K. Armor
Assistant Regional Counsel

cc: E. Gayle Macolly, Solutia
William Weinischke, USDOJ
Don Hoyt, City of Anniston

APPENDIX B

DAILY CONSTRUCTION REPORTS

City of Anniston
Snow Creek Project
Location: Glenn Addie @ 6th Street

November 6, 2009: Action delivered cans A-86, A-38 and one (1) can in inventory. Conditions on all 3 cans are Ok.

November 9, 2009: Action delivered can A-1 condition Ok

(Hurricane Ida) delayed project till November 16, 2009

November 16, 2009:
Clear high 75 low 50
Safety meeting: Informed all about PCB's PPE and Watching out for each other
Personnel on site: Lance Taylor, Thomas Burney, James Cotton and Debbie Kristiansen (EPA oversight) and Pam Scully
Taylor Corporation started mobilization of equipment (inclusive of testing equipment) and materials @ 7 am.
Location and stake out dredge spoils piles SC 6, SD 5 (17' western side > 50ppm) and SC 4. Photo taken. Taylor Land Surveying on site to shot in corners.
Meet with City of Anniston (COA) to get set up for their equipment to start 11/17.
Started and completed < 50 ppm dredge spoil piles SC 6 and eastern half of SC 5.
Foundry fill was bagged and tagged.

Air Monitoring all day was non detect.
Turbidity reading at 1 pm during the dig was 11.30 upstream and 12.30 downstream.
Two loads were shipped to 3 corners.
Safe Man-hours today 50 total 50

November 17, 2009:
Overcast, light rains high 57 low 54
Safety Meeting: Trips/slips/fall due to wet conditions
Personnel on site: Thomas Burney, James Cotton, James Ford and Debbie Kristiansen.
Jerry Hopper (foundry fill) COA personnel (5)
Am rains delays Haul in 8 loads of 24 modified stone and fabric to bill access roads.
Completed road installations at 9 am. COA on site at 9 am started loading north side of snow creek. Taylor completed loading out > 50 western half of SC5 can A-1 and <50 SC 4.
All disturbed areas seeded and Mulch. COA completed north side dredge spoil removal at 4pm.

Air Monitoring all day was non detect
9 loads was shipped to 3 corners
A-1 can was placarded and placed in bone yard at the plant.

Turbidity:

Time:	Upstream	Downstream
8:20 am	7.67	11.88

City of Anniston
Snow Creek
Pg 2 of 2

Time	Upstream	Downstream
10 am	9.97	11.67
11:34 am	14.20	9.91
12:15 pm	13.21	9.20
2:30 pm	12.47	17.24

Safe Man-hours today 100 hours total 150 hours

November 18, 2009:
Clear: high 51 low 34
Safety: Traffic controls due to congested area
Personnel: James Ford, Thomas Burney, James Cotton, Debbie Kristiansen, and Jerry hopper (foundry Fill)

Taylor on site at 6:30 am. Deployed silt fence with hay bales north side of bridge: COA on site at 7am. Poly trailer deck moved COA machine to south side of creek. Received and spread a load of crusher run. Start loading for 3 corners at 8 am. Decon Taylor's excavator at 8:30 am OK with EPA to ship offsite. Scheduled Genesis Projects to due post sampling on 11/19/09 inclusive of informing EPA (Leslie Shaver). Scheduled Taylor Surveying to restake SC 6, 5 and 4 on 11/19/09 for Genesis. Sand bagged and graveled Manhole and drainage cross pipe prior to removal of tree stump in creek. Additional BMP's in place for stump removal. COA completed sediment dig at noon. Decon of COA equipment completed by 1pm. All outside carriers reported to Taylor shop for decon. I witness decon at 2pm. Inspected site at 3pm all disturbed areas have been seeded and mulch. The decon pad and spend ppe have been placed in roll off for disposal. Contacted Josh Fowler for pick up of loaded can A-1 and 3 empties to be sent back to Emelle 11/19/09 am. Construction BMP removed from creek place in 3 corners roll off

Air Monitoring all day was non detect
9 loads shipped to 3 corners in addition 4 roll offs can for a total of 24

Turbidity

Time	Upstream	Downstream
7 am	8.09	12.10
8:30am	8.92	6.10
10am	5.48	6.41
11:30am	14.45	12.91 (Additional BMPS installed stump removal)

Excavation completed.

Safe hours today 90 total 240

Project/Job Number:	CITY OF ANNISTON
Foreman:	THOMAS BURNEY
Job Site Location:	6th Street @ Glenn Addie
Date: MONDAY	11-09-09

Description of Work Being Done Today:

Started Mobilization TO Site Bad Weather & Directive FROM DONN WILLIAMS MOBE NEXT WEEK

Labor

Name	Occupation	Hours
James Cotton	Tech	4
THOMAS BURNEY	FOREMAN	4
LOW BOY OPERATOR	Driver -	3

Weather Report:

RAIN

Other Notes:

Project/Job Number:	City of Anniston (COA)
Foreman:	Thomas Burney
Job Site Location:	6th Street @ Glenn Addie
Date: Monday	11-16-09

Description of Work Being Done Today:

- ReStart Mobilization
- On Site Safety Meeting
- Located & STAKE OUT dredge Spoils SC-4-5-6
- Taylor Survey on site to Shot in Pile Locations
- meeting COA To start Ditch Dig 11-17-09
- Started SC Dig's @ Noon

BMP's in Place

3 Corners 2 loads Shipped
Air Monitoring: Non-Detech all days
Turbidity @ upstream 11.3 Downstream 12.3

EPA: Debbie Kristiansen
Visitor: Pam Scully Jerry Hopper (Foundry Hill)

Labor

Name	Occupation	Hours
Lance Taylor	Owner	2
James Cothon	Tech	10

Weather Report:

Clear
Low 50 High 75

Other Notes:

Project/Job Number:	City of Anniston
Foreman:	Thomas Burney
Job Site Location:	6 Street @ Glenn Addie
Date: Tuesday	11-17-09

Description of Work Being Done Today:

- Safety Meeting
- ✓ BMP's ALL Disturb. Area Mulch & Seeded
- C.O.A on Site 5 People
  Rain Delay - Hauled in 8 Loads Stone for Access Roads
- C.O.A. STARTED Creek Dig on the North & West side
  WORKING Towards Glenn Addie's COA Completed
  North Side @ 4:PM
- Taylor Completed SC Dregde Spoils!
- 1 Load To Emelle Moved to Bone yard for shipment.
- 9 Loads TO 3 Loaners on Tri-Axles; 2 IWI Cans Load to be shipped later

EPA: Debbie Kristiansen Jerry Hopper (FF)

Labor

Name	Occupation	Hours
James Cotton	Tech	10
James Ford	Tech	10

Weather Report:
OVERCAST LOW 54 High 57
Light Rain till Noon

Other Notes: Air Monitoring Non-Detech all Day

TURBIDITY

upstream	Downstream
7.67	11.8
9.9	11.6
14.2	9.9
13.1	9.2
12.4	17.2

Project/Job Number:	City of Anniston
Foreman:	James Burney
Job Site Location:	6th street @ Glenn Addie
Date: WED	11-18-09

Description of Work Being Done Today:

- Safety Meeting
- Check B.M.P's - EXTRA Silt Fence & Hay Bales Placed in Creek
- C.O.A: Decon machine & moved To South West side of Creek: Working Toward West. Started Creek dig on South side. C.O.A Completed dig after lunch
- Taylor: Scheduled Surveyor: managed all BMP installation & Removal. 2 loads of Crusher Run install on Roads. Decon C.O.A Excavator. Decon eight Trucks @ office

E.P.A. Inspected site @ 3:Pm. approved to demobe

Leslie Shaver

EPA DeBbie Kerstromsen Jerry Hopper (FF)

Labor

Name	Occupation	Hours
James Catlow	Tech	12
James Ford	Tech	12

Weather Report:

Clear Low 34 High 51

9 loads shipped To 3 Conners on Tri Axles, 2 Rolloffs loaded to be shipped later.

TOTAL 24 loads -

Other Notes: Air Monitoring Non-Detect all Day

TURBIDITY

upstream	downstream 2
8.09	12.10
8.92	6.10
5.48	6.41
14.45	12.91

APPENDIX C

PHOTOGRAPHIC LOG OF CONSTRUCTION ACTIVITIES

Dredge Spoil Area 6 Prior to Removal

Dredge Spoil Area 5 Prior to Removal

Dredge Spoil Area 4 Prior to Removal

Foundry Debris at Dredge Spoil Area 6 Prior to Removal

Foundry Debris Collected from Dredge Spoil Area 5 Prior to Removal

Removal from North Bank Side of Snow Creek - Facing South

Removal from North Bank Side of Snow Creek - Facing East

Foundry Debris Observed on North Bank Side of Snow Creek

Snow Creek Sediment Control Barriers

Removal from South Bank Side of Snow Creek – Facing West

Foundry Debris Observed on South Bank Side of Snow Creek

Dredge Spoil Areas Following Removal

Restoration of South Bank Side of Snow Creek Following Removal

Completion of Removal Activities

APPENDIX D

RESIDUAL SEDIMENT SAMPLING REPORT

Memo

To:	Gayle Macolly, Solutia
From:	Michael Price, Genesis Project, Inc.
cc:	Jerry Hopper, R S Williams Associates
Date:	December 2, 2009
Re:	City of Anniston Snow Creek Sediment Removal Project Sampling Results, Solutia, Inc. Anniston, AL

On November 19, 2009, Genesis Project, Inc. completed a post-excavation soil and sediment sampling event in support of the City of Anniston (City) Snow Creek Sediment Removal Work. The City removed sediment from the north and south sides of the creek as well as three dredge spoil piles located on the south side of the creek. The purpose of this sampling event was to determine the concentrations of PCBs, if any, in the post-excavation soils and sediments.

Sampling Procedures

Prior to sampling, the dredge spoil pile footprints were identified and labeled (EX-SC-4, EX-SC-EX-5-1, EX-SC-5-2, and EX-SC-6). The approximate locations are shown on Figure 1. Three-point composite samples were collected from each location at a depth of 0-3". Additionally, the approximate area of excavation along the northern and southern banks of Snow Creek were identified and labeled (EX-NS-1 and EX-SS-1). The approximate locations are shown on Figure 1. Five-point composite sediment samples were collected from each location at a depth of 0-3". All samples were collected utilizing a stainless steel hand auger and thoroughly mixed in a stainless steel bowl with a stainless steel spoon. Samples were then placed in a certified, clean 4oz jar for analysis.

Soil Sample Results

On November 20, 2009, the samples were field screened for PCBs using USEPA Method 4020. Samples EX-SC-4, EX-SC-5-1, and EX-SC-5-2 reported greater than 50ppm, and sample EX-SC-6 reported greater than 1ppm and less than 50ppm. Both sediment samples (EX-NS-1 and EX-SS-1) reported PCB concentrations greater than 1ppm and less than 50ppm. The results of the field screening analysis are included in Table 1 and are shown on Figure 1.

Table 1: City of Anniston
Snow Creek Sediment Removal Project
Sampling Results
Solutia, Inc.
Anniston, AL

Sample ID	Date Analyzed	Field PCB Screening Result (PPM)
EX-SS-1	11/20/09	>1, <50
EX-NS-1	11/20/09	>1, < 50
EX-SC-4	11/20/09	>50
EX-SC-5-1	11/20/09	>50
EX-SC-5-2	11/20/09	>50
EX-SC-6	11/20/09	>1, <50

FOOTNOTES:

< - Analyte was not detected at or above the indicated concentration

> - Analyte was detected at or above the indicated concentration

REV	DATE	DES	REVISION DESCRIPTION	JAT	MCP	TJM
A	---	---	---	CADD	CHK	RVW

SCALE 0 30 60 SCALE FEET

SOIL SAMPLE LOCATIONS
ANNISTON, CALHOUN COUNTY, ALABAMA

Genesis Project, Inc. ENVIRONMENTAL SERVICES. Atlanta, Ga

PROJECT No. ---			FILE No. ---		
DESIGN	JAT	12/3/09	SCALE AS SHOWN	REV.	---
CADD	JAT	12/3/09	FIGURE 1		
CHECK	MCP	12/7/09			
REVIEW	TJM	12/3/09			

APPENDIX E

WASTE MANIFEST FORMS

WM

Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
(205)652-9721

Manifest Document Number:

SOLUTIA, INC.
702 CLYDESDALE AVENUE

ANNISTON, AL 36201-5328

Site Information

ANNISTON PCB SITE
CORNER OF GLENNADDIE AVE & 6TH ST
ANNISTON, AL 36207-

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from
ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001075869GBF-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor
November 30, 2009

OSD	Unique ID	Cont #	Profile	Disposed	Description
11/17/09	001075869GBF-01	1	CM9879	11/23/09	ANNISTON PCB SITE CONSENT DECR

Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
(205)652-9721

SOLUTIA, INC.
702 CLYDESDALE AVENUE

ANNISTON,AL 36201-5328

Site Infomation

ANNISTON PCB SITE
CORNER OF GLENNADDIE AVE & 6TH ST
ANNISTON,AL 36207-

ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name: ANNISTON PCB SITE
Enclosed is/are your Generator Number Two copy / copies for Alabama Manifest Numbers:

001075869GBF

This copy is to acknowledge that Chemical Waste Management, Inc., of Emelle, Alabama has received your shipment As a requirement of 40 CFR 264.12 (b), this letter serves to inform you that this facility has the proper permits and will accept your shipment upon completion of waste analysis procedures specified in the facility's Waste Analysis Plan and as determined in the approval waste profile submitted for this/these wastes.

As of September 26, 1997, Chemical Waste Management, Inc., Emelle Alabama (ALD000622464) is operating under a AHWMMA Permit, issued by the Alabama Department of Environmental Management (RCRA)

Dorothy Oliver
Recordkeeping and Reporting Supervisor

November 30, 2009

A / ENV CWMI

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	EXEMPT ✓	1		001075869 GBF

GENERATOR

5. Generator's Name and Mailing Address

SOLUTIA, INC
702 CLYDESDALE AVE
ANNISTON AL 36201-5328
Generator's Phone: (256)231-2476

Generator's Site Address (if different than mailing address)

ANNISTON PCB SITE
1361 WOODSTOCK AVE
ANNISTON AL 36207
Corner of Glenn Addie Ave. & 6th St.

6. Transporter 1 Company Name — U.S. EPA ID Number

ACTION RESOURCES, INC. — ALR000007237

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

CHEMICAL WASTE MANAGEMENT, INC.
HIGHWAY 17 NORTH, MILE MARKER 163
EMELLE AL 35459
Facility's Phone: (205)652-9721

ALD000622464

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,POLYCHLORINATED BIPHENYLS,SOLID,9,UN3432,III CM9879	001	CM	~~18000~~ 10623	K	11/23/09
	2. Roll Off A-1 ENV					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

1. CM9879 ERG-171 ✓ OSD: 11-17-09 NEW PO#:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: DONN WILLIAMS — Signature: DW Williams — Month: 11 Day: 23 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Porter — Signature: James Porter — Month: 11 Day: 23 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Correct wt. per Donn Williams 11/23/09 cm
Corrected site address per Donn Williams 11/23/09

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H130			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Loretta Meeks — Signature: Loretta Meeks — Month: 11 Day: 23 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251365

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/16/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047014
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D09
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/16/2009 16:05:59	Scale1	jshields		Gross	58640 lb
Out	11/16/2009 16:29:57	Scale1	jshields		Tare	28140 lb
					Net	30500 lb
					Tons	15.25

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	15.25	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature Henry Lewis

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. A L D 0 0 4 0 1 9 0 4 8 — Manifest Document No.

2. Page 1 of

A. Manifest Number **WMNA** 11047014

3. Generator's Name and Mailing Address (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201
256 231-8483

B. State Generator's ID

4. Generator's Phone

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1 5 2 5 0 4 2 A L

C. State Transporter's ID

D. Transporter's Phone 256 835-1900

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400 Truck Jerry D-09	0 0 1	CM	0 0 0 2 0	CY	
b. WM Profile #			15.25 TONS		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Snowcreek COA PO#
WEIGHT TICKET REQUIRED WITH EACH LOAD
DONN WILLIAMS 601-807-1187

Purchase Order # NEW

EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	"Solutia" Donn Williams	11	16	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Harley Langley	Harley Langley	11	16	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Shields	Jennifer Shields	11	16	99

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251366

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/16/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047015
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D2152
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

7

	Time	Scale	Operator	Inbound		
In	11/16/2009 16:11:26	Scale1	jshields		Gross	45940 lb
Out	11/16/2009 16:32:45	Scale1	jshields		Tare	27920 lb
					Net	18020 lb
					Tons	9.01

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	9.01	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 — Manifest Document No.

2. Page 1 of 1

A. Manifest Number **WMNA** 11047015

3. Generator's Name and Mailing Address
SOUTHERN ADVERTISING (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 152504241

C. State Transporter's ID

D. Transporter's Phone 256 835-1600

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS — WM Profile # CF6400 (Taylor Kentwood)	001	CM (TRUK)	00020	CY	
b. — WM Profile #			9.01 TONS		
c. — WM Profile #					
d. — WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
SNOW CREEK COA
PO#
WEIGHT TICKET REQUIRED WITH EACH LOAD
DONN WILLIAMS 601-807-1187

Purchase Order # NEW

EMERGENCY CONTACT: D Williams

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
DONN WILLIAMS	"SOUTIA" D Williams	11	16	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JIMMY BABER	Jimmy Baber	11	16	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
JIMMY SHELTS	Jimmy Shelts	11	16	09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251388

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/17/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047020
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier TAYLOR RO
Vehicle# 152
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

(2)

	Time	Scale	Operator	Inbound
In	11/17/2009 10:43:23	Scale1	jshields	
Out	11/17/2009 11:01:04	Scale1	jshields	

Gross	65660 lb
Tare	28120 lb
Net	37540 lb
Tons	18.77

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	18.77	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

152

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
SOLUTIA INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201
256 231-8483

4. Generator's Phone

A. Manifest Number WMNA 11047020

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1525042AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

	11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a.	PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400 Truck Taylor	001	CM	00020	CY 18.77 TONS	
b.	WM Profile #					
c.	WM Profile #					
d.	WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
SNOW CREEK COA PO#
WEIGHT TICKET REQUIRED WITH EACH LOAD
DONN WILLIAMS 601-807-1187

Purchase Order # New

EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name Donn Williams — Signature "On behalf of" "Solutia" DWilliams — Month 11 Day 11 Year 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Jimmy Baber — Signature Jimmy Baber — Month 11 Day 11 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Tom Jones — Signature Tom Jones — Month 11 Day 12 Year 09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1884

Original
Ticket# 251394

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/17/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047019
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D11
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

P

	Time	Scale	Operator	Inbound		
In	11/17/2009 11:54:16	Scale1	jshields		Gross	69200 lb
Out	11/17/2009 12:13:16	Scale1	jshields		Tare	27960 lb
					Net	41240 lb
					Tons	20.62

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	20.62	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. A L D 0 0 4 0 1 9 0 4 8 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
SOLUTIA INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number WMNA 11047019

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1 5 2 5 0 4 2 A L

C. State Transporter's ID

D. Transporter's Phone 256 835-1600

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS — WM Profile # CF6400	001	CM	00020	CY	Truck Jerry Dill
b. WM Profile #			20.62 TONS		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Snow Creek COA
PO#
WEIGHT TICKET REQUIRED WITH EACH LOAD
DONN WILLIAMS 601-807-1187

Purchase Order # new

EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	"Solutia" DWilliams	11	11	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Jason A Jones		11	12	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Shields	Jennifer Shields	11	13	09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251390

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/17/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047016
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D09
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

7

	Time	Scale	Operator	Inbound		
In	11/17/2009 11:42:19	Scale1	jshields		Gross	66880 lb
Out	11/17/2009 11:42:19		jshields		Tare	28140 lb
					Net	38740 lb
					Tons	19.37

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	19.37	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. A L D 0 0 4 0 1 9 0 4 8 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
SOLUTIA INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201
256 231-8483

4. Generator's Phone

A. Manifest Number WMNA 11047016

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1 5 2 5 0 4 2 A L

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400 Truck Jerry Dog	0 0 1	CM	0 0 0 2 0	CY	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Snow Hill CIA POE WEIGHT TICKET REQUIRED WITH EACH LOAD
DONN WILLIAMS 601-807-1187

Purchase Order # New EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Harley Langley	Harley Langley	1 1	1 7	0 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Donn Williams	"Solutia"	1 1	1 7	0 9

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tom Jones	Tom Jones	1 1	1 7	0 9

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL 36272
Ph: (256) 447-1881

Original
Ticket# 251391

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/17/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047018
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D12
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

7

Volume

	Time	Scale	Operator	Inbound		
In	11/17/2009 11:45:07	Scale1	jshields		Gross	67680 lb
Out	11/17/2009 11:45:07		jshields		Tare	27820 lb
					Net	39860 lb
					Tons	19.93

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	19.93	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature Ronald E Moscow

403WM

WM WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. AL D 0 0 4 0 1 9 0 4 8	Manifest Document No.	2. Page 1 of
3. Generator's Name and Mailing Address SOLUTIA INC (DONN WILLIAMS) 702 CLYDESDALE AVE ANNISTON AL 36201 4. Generator's Phone 256 231-8483			A. Manifest Number WMNA 11047018 B. State Generator's ID (?)
5. Transporter 1 Company Name TAYLOR CORP.	6. US EPA ID Number 1 5 2 5 0 4 2 A L		C. State Transporter's ID D. Transporter's Phone 256 835-1800
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID F. Transporter's Phone
9. Designated Facility Name and Site Address THREE CORNERS REGIONAL LANDFILL 2205 COUNTY ROAD 6 PIEDMONT AL 36272	10. US EPA ID Number		G. State Facility's ID H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400 Truck Jerry D12	0 0 1	CM	0 0 0 2 0 19.53 Tons	CY	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ______ Solidification ______

Bio Remediation ______

K. Disposal Location

Cell Level

Grid

WEIGHT TICKET REQUIRED WITH EACH LOAD

15. Special Handling Instructions and Additional Information Snow Creek COA PO#

DONN WILLIAMS 601-807-1187

Purchase Order # New EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
Donn Williams	[signature]	11 17 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Randall B Moseley	Randall B Moseley	11 17 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitlity Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Tom Jones	Tom Jones	11 17 09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251403

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/17/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047027
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181--SOLUTIA SOLUTIA

Carrier TAYLOR RO
Vehicle# 152
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

(P)

	Time	Scale	Operator
In	11/17/2009 13:06:40	Scale1	jshields
Out	11/17/2009 13:06:40		jshields

Inbound

Gross	66940 lb
Tare	28120 lb
Net	38820 lb
Tons	19.41

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	19.41	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature Jimmy Baker

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
SOLOTA INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number WMNA 11047027

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 152504 2AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

	11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a.	PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400	001	CM	00020	CY	Truck Taylor 011
b.	WM Profile #			19.41		tons
c.	WM Profile #					
d.	WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
SNOW Creek COA
WEIGHT TICKET REQUIRED WITH EACH LOAD

Purchase Order # PO# New EMERGENCY CONTACT: DONN WILLIAMS 601-807-1187

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: Donn Williams — Signature "On behalf of": Donn Williams — Month 11 Day 19 Year 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JIMMY BABER — Signature: Jimmy Baber — Month 11 Day 19 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Jennifer Sheets — Signature: Jennifer Sheets — Month 11 Day 19 Year 09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251416

Customer Name SOLUTIA_CF6400_CW5520_408_SOL
Ticket Date 11/17/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047026
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D09
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/17/2009 14:04:21	Scale1	jshields		Gross	71200 lb
Out	11/17/2009 14:04:21		jshields		Tare	28140 lb
					Net	43060 lb
					Tons	21.53

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	21.53	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address: SOLUTIA INC (DONN WILLIAMS) 702 CLYDESDALE AVE ANNISTON AL 36201

4. Generator's Phone: 256 231-8483

A. Manifest Number: WMNA 11047026

B. State Generator's ID

5. Transporter 1 Company Name: TAYLOR CORP.

6. US EPA ID Number: 1525042AL

C. State Transporter's ID: 256 835-1800

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: THREE CORNERS REGIONAL LANDFILL 2205 COUNTY ROAD 6 PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 256 447-1881

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400 Jerry Jeck Dog	001	CM	00020	CY	
b. WM Profile #			21.53 tons		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ______ Solidification ______

Bio Remediation ______

K. Disposal Location

Cell Level

Grid

WEIGHT TICKET REQUIRED WITH EACH LOAD

15. Special Handling Instructions and Additional Information: Snowcreek COA

PO#

Purchase Order #: New

EMERGENCY CONTACT: DONN WILLIAMS 601-807-1187 DW

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: Donn Williams — Signature "On behalf of" "Solutia" [signature] — Month Day Year: 1 1 09

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Harvey Rainsley Baber — Signature: [signature] — Month Day Year: 1 1 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Jennifer Shields — Signature: Jennifer Shields — Month Day Year: 1 1 09

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#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251418

Customer Name SOLUTIA_CF6400_CW5520_408_SOL
Ticket Date 11/17/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047025
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D12
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

(P)

	Time	Scale	Operator			
In	11/17/2009 14:12:22	Scale1	jshields	Inbound	Gross	69820 lb
Out	11/17/2009 14:12:22		jshields		Tare	27820 lb
					Net	42000 lb
					Tons	21.00

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	21.00	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Randall B Whaley

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
SOLUTIA INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201
256 231-8483

4. Generator's Phone

A. Manifest Number WMNA 11047025

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 152504 2 AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS — WM Profile # CF6400 Truck Jerry D1209	001	CM	00020	CY	
b. WM Profile #			21.00 TONS		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Snow Week COA
PO#
WEIGHT TICKET REQUIRED WITH EACH LOAD
DONN WILLIAMS 601-807-1187

Purchase Order # New EMERGENCY CONTACT: DW

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name Donn Williams — Signature "On behalf of" "Solutia" DW — Month 11 Day 17 Year 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Randall L. Mosley — Signature Randall L. Mosley — Month 11 Day 17 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Jennifer Stiles — Signature Jennifer Stiles — Month 11 Day 19 Year 09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251419

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/17/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047024
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D11
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/17/2009 14:29:16	Scale1	jshields		Gross	68380 lb
Out	11/17/2009 14:29:16		jshields		Tare	27960 lb
					Net	40420 lb
					Tons	20.21

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

Product		LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	20.21	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

(P)

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: A L D 0 0 4 0 1 9 0 4 8 — Manifest Document No.:

2. Page 1 of 1

A. Manifest Number: **WMNA** 11047024

3. Generator's Name and Mailing Address:
SOLUTIA INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone: 256 231-8483

B. State Generator's ID:

5. Transporter 1 Company Name: TAYLOR CORP.

6. US EPA ID Number: 1 5 2 5 0 4 2 A L

C. State Transporter's ID:

D. Transporter's Phone: 256 835-1800

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number:

G. State Facility's ID:

H. Facility's Phone: 256 447-1881

11. Description of Waste Materials	WM Profile #	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS	CF6400	0 0 1	CM	0 0 0 2 0	CY	
b.				20.21 tons		
c.						
d.						

Truck JJ-erax 0112 Di

J. Additional Descriptions for Materials Listed Above

Landfill ________ Solidification ________

Bio Remediation ________

(P)

K. Disposal Location

Cell Level

Grid

WEIGHT TICKET REQUIRED WITH EACH LOAD

15. Special Handling Instructions and Additional Information
Snow Creek CAA

PO#

DONN WILLIAMS 601-807-1187

Purchase Order # New

EMERGENCY CONTACT: DW

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
Donn Williams	DW	11 17 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Jason A Jones	11/17/09	11 17 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Jennifer Shields	Jennifer Shields	11 17 09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251421

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/17/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047022
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier TAYLOR RO
Vehicle# 152
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

P

	Time	Scale	Operator	Inbound		
In	11/17/2009 15:14:41	Scale1	jshields		Gross	65220 lb
Out	11/17/2009 15:14:41		jshields		Tare	28120 lb
					Net	37100 lb
					Tons	18.55

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	18.55	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Jimmy Bolen

Total Fees
Total Ticket

Driver's Signature

403WM

WM WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. ALD004019048	Manifest Document No.	2. Page 1 of
3. Generator's Name and Mailing Address SOLUTIA INC (DONN WILLIAMS) 702 CLYDESDALE AVE ANNISTON AL 36201			A. Manifest Number WMNA 11047022
4. Generator's Phone 256 231-8483			B. State Generator's ID
5. Transporter 1 Company Name TAYLOR CORP.	6. US EPA ID Number 15250042AL		C. State Transporter's ID
			D. Transporter's Phone 256 835-1800
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID
			F. Transporter's Phone
9. Designated Facility Name and Site Address THREE CORNERS REGIONAL LANDFILL 2205 COUNTY ROAD 6 PIEDMONT AL 36272	10. US EPA ID Number		G. State Facility's ID
			H. Facility's Phone 256 447-1881

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400 Truck Tractor	001	CM	00020	CY	
b. WM Profile #			18.55 tons		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ________ Solidification ________

Bio Remediation ________

K. Disposal Location

Cell Level

Grid

WEIGHT TICKET REQUIRED WITH EACH LOAD

15. Special Handling Instructions and Additional Information Snowcreek COA PO#

DONN WILLIAMS 601-807-1187

Purchase Order # New EMERGENCY CONTACT: DW.

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name Donn Williams | Signature "On behalf of" "Solutia" DW. | Month Day Year 11 11 09

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Jimmy Baber | Signature Jimmy Baber | Month Day Year 11 11 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitlity Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Jennifer Shields | Signature Jennifer Shields | Month Day Year 11 11 09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251422

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/18/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047028
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D12
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/18/2009 06:59:28	Scale1	jshields		Gross	63880 lb
Out	11/18/2009 06:59:28		jshields		Tare	27820 lb
					Net	36060 lb
					Tons	18.03

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	18.03	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: A L D 0 0 4 0 1 9 0 4 8 — Manifest Document No.:

2. Page 1 of 1

A. Manifest Number: WMNA 11047028

3. Generator's Name and Mailing Address: SOLUTIA INC. (DONN WILLIAMS) 702 CLYDESDALE AVE ANNISTON AL 36201

4. Generator's Phone: 256 231-8483

B. State Generator's ID: (R)

5. Transporter 1 Company Name: TAYLOR CORP.

6. US EPA ID Number: 1 5 2 5 0 4 2 A L

C. State Transporter's ID:

D. Transporter's Phone: 256 835-1800

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: THREE CORNERS REGIONAL LANDFILL 2205 COUNTY ROAD 6 PIEDMONT AL 36272

10. US EPA ID Number:

G. State Facility's ID:

H. Facility's Phone: 256 447-1881

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS — WM Profile # CF6400 — Truck Terex P12	001	CM	00020	CY	
b. WM Profile #			18.03 tons		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ____________ Solidification ____________

Bio Remediation ____________

K. Disposal Location

Cell Level

Grid

WEIGHT TICKET REQUIRED WITH EACH LOAD

15. Special Handling Instructions and Additional Information

Snowdunk COA PO#

Purchase Order # New EMERGENCY CONTACT: DONN WILLIAMS 601-807-1187 DWilliams

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: Donn Williams — Signature "On behalf of": "Solutia" DWilliams — Month Day Year: 1 1 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Randall B Moses — Signature: Randall B Moses — Month Day Year: 1 11 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Jennifer Shields — Signature: Jennifer Shields — Month Day Year: 1 11 08

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251423

Customer Name SOLUTIA_CF6400_CW5520_408_SOL
Ticket Date 11/18/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047023
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D09
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

2

	Time	Scale	Operator	Inbound		
In	11/18/2009 07:01:33	Scale1	jshields		Gross	73320 lb
Out	11/18/2009 07:01:33		jshields		Tare	28140 lb
					Net	45180 lb
					Tons	22.59

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	22.59	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. ALD004019048	Manifest Document No.	2. Page 1 of 1
3. Generator's Name and Mailing Address: SOLUTIA, INC. (DONN WILLIAMS) 702 CLYDESDALE AVE ANNISTON AL 36201			A. Manifest Number WMNA 11047023
4. Generator's Phone 256 231-8483			B. State Generator's ID
5. Transporter 1 Company Name TAYLOR CORP.	6. US EPA ID Number 1525042AL		C. State Transporter's ID
			D. Transporter's Phone 256 835-1800
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID
			F. Transporter's Phone
9. Designated Facility Name and Site Address: THREE CORNERS REGIONAL LANDFILL 2205 COUNTY ROAD 6 PIEDMONT AL 36272	10. US EPA ID Number		G. State Facility's ID
			H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	WM Profile #	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS	CF6400 Truck Jerry Dirt Dog	001	CM	00020 / 22.59 ton	CY	
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

Landfill ________ Solidification ________

Bio Remediation ________

K. Disposal Location

Cell Level

Grid

WEIGHT TICKET REQUIRED WITH EACH LOAD

15. Special Handling Instructions and Additional Information Snow truck COA

PO#

Purchase Order # New

EMERGENCY CONTACT: DONN WILLIAMS 601-807-1187

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
Donn Williams	"Solutia" [signature]	11 17 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Harley Lindsey Baker	[signature]	11 17 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Jennifer Shields	[signature]	11 17 09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251431

Customer Name SOLUTIA_CF6400_CW5520_408 SDL
Ticket Date 11/18/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047021
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D11
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

P

	Time	Scale	Operator	Inbound		
In	11/18/2009 08:30:05	Scale1	jshields		Gross	66720 lb
Out	11/18/2009 08:30:06		jshields		Tare	27960 lb
					Net	38760 lb
					Tons	19.38

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	19.38	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. A L D 0 0 4 0 1 9 0 4 8 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
SOUTHERN INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number WMNA 11047021

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1 5 2 5 0 4 2 A L

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400	001	CM	00020	CY	Truck # 911
b. WM Profile #			19.38	TONS	
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Snow Creek COA PO#
WEIGHT TICKET REQUIRED WITH EACH LOAD
DONN WILLIAMS 601-807-1187

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	"SOUTHERN"	11	08	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Jason A Jones		11	12	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Stevens		11	08	99

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251434

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/18/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047029
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier TAYLOR RO
Vehicle# 152
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

P

	Time	Scale	Operator
In	11/18/2009 08:45:48	Scale1	jshields
Out	11/18/2009 08:45:48		jshields

Inbound

Gross	61540 lb
Tare	28120 lb
Net	33420 lb
Tons	16.71

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	16.71	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Jimmy Baker

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number WMNA 11047029

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 152504 2 AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400 Truck Taylor	001	CM	00020	CY	
b. WM Profile # PR2			16.71		TONS
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Snow Creek COA PO# WEIGHT TICKET REQUIRED WITH EACH LOAD

Purchase Order # N/A EMERGENCY CONTACT: DONN WILLIAMS 601-807-1187

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name Donn Williams | Signature "On behalf of" "Shelia" | Month 1 Day 1 Year 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name JIMMY BABER | Signature | Month 1 Day 1 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Jennifer Shields | Signature | Month 1 Day 1 Year 09

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#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251437

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/18/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047030
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier RSMS TRUCKING LLC
Vehicle# D19
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/18/2009 09:08:06	Scale1	jshields		Gross	66940 lb
Out	11/19/2009 09:26:07	Scale1	jshields		Tare	28880 lb
					Net	38060 lb
					Tons	19.03

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	19.03	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Ray Holt

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. AL D 0 0 4 0 1 9 0 4 8 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201
256 231-8483

4. Generator's Phone

A. Manifest Number WMNA 11047030

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP. RMS

6. US EPA ID Number 1 5 2 5 0 4 2 A L

C. State Transporter's ID

D. Transporter's Phone 256 835 1900

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400 Trent Jerry	001	CM	00020	CY	
b. WM Profile #			19.03 Tons		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

WEIGHT TICKET REQUIRED WITH EACH LOAD

15. Special Handling Instructions and Additional Information
SnowCOA PO#
DONN WILLIAMS 601-807-1187

Purchase Order # New EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name Donn Williams — Signature "On behalf of" — Month 11 Day 18 Year 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Ronny Holt BABcox — Signature — Month 11 Day 18 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Jennifer Shields — Signature — Month 11 Day 18 Year 09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251439

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/18/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047053
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D12
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/18/2009 09:28:52	Scale1	jshields		Gross	66020 lb
Out	11/18/2009 09:28:52		jshields		Tare	27820 lb
					Net	38200 lb
					Tons	19.10

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	19.10	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

(P)

Total Fees
Total Ticket

Driver's Signature Randall B Mosley

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. AL D004019048 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
SOLUTIA INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201
256 231-8483

4. Generator's Phone

A. Manifest Number WMNA 11047053

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 152504 2AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS — WM Profile # CF6400	001	CM	00020	CY	Jer 45 Truck D12
b. WM Profile #			19.10	TON	
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

WEIGHT TICKET REQUIRED WITH EACH LOAD

15. Special Handling Instructions and Additional Information
SNOW Creek COA POE

DONN WILLIAMS 601-807-1157

Purchase Order # VEW EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	"Solutia" DWilliams	11	18	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Randall D Moseley	Randall D Moseley	11	18	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Fields	Jennifer Fields	11	18	09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251447

Customer Name SOLUTIA_CF6400_CW5520_408-SOL
Ticket Date 11/18/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047052
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D09
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/18/2009 11:32:38	Scale1	jshields		Gross	66800 lb
Out	11/18/2009 11:32:38		jshields		Tare	28140 lb
					Net	38660 lb
					Tons	19.33

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	19.33	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201
256 231-8483

4. Generator's Phone

A. Manifest Number **WMNA** 11047052

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1525042AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400	001	CM	00020	CY	Truck Jerry Dog
b. WM Profile #			19.33	TONS	
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Snow Creek COA
WEIGHT TICKET REQUIRED WITH EACH LOAD
PO# DONN WILLIAMS 601-807-1187

Purchase Order # New EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	"Solutia"	1	1	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Harley Lanz/cy	Harley Lanz	1	1	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Shrubs	Jennifer Shrubs	1	1	09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251448

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/18/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047051
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier JERRY TRUCKING
Vehicle# D11
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/18/2009 11:46:19	Scale1	jshields		Gross	44300 lb
Out	11/18/2009 11:46:19		jshields		Tare	27960 lb
					Net	16340 lb
					Tons	8.17

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	8.17	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. A L D 0 0 4 0 1 9 0 4 8 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
SOUTHERN INDUSTRIAL (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number WMNA 11047051

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1 5 2 5 0 4 2 A L

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400	0 0 1	C M	0 0 0 2 0	C Y	
b. WM Profile #			8.17 TONS		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Snow Creek COA PO# WEIGHT TICKET REQUIRED WITH EACH LOAD
DONN WILLIAMS 601-807-1157

Purchase Order # New EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	"Solutia"	1	8	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Jason A Jones		1	15	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Stephens	Jennifer Shults	1	19	09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251453

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/18/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047050
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier RSMS TRUCKING LLC
Vehicle# D19
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/18/2009 12:06:56	Scale1	jshields		Gross	68440 lb
Out	11/18/2009 12:06:56		jshields		Tare	28880 lb
					Net	39560 lb
					Tons	19.78

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	19.78	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

(P)

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address (SOLUTIA INC. (DONN WILLIAMS))
702 CLYDESDALE AVE
ANNISTON AL 36201
256 231-8483

4. Generator's Phone

A. Manifest Number WMNA 11047050

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1525042AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400 Touch D19	001	CM	00020	CY	
b. WM Profile #			19.78 TONS		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

(P)

K. Disposal Location

Cell Level

Grid

WEIGHT TICKET REQUIRED WITH EACH LOAD

15. Special Handling Instructions and Additional Information
SNOW Creek COA

PO#

DONN WILLIAMS 601-807-1187

Purchase Order # New EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	"Solutia" DWilliams	11	18	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ronny Holt	Ronny Holt	11	18	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Shields	Jennifer Shields	11	18	09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251525

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/20/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047046
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK2
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/20/2009 08:47:14	Scale1	jshields		Gross	35780 lb
Out	11/20/2009 09:08:24	Scale1	jshields		Tare	31060 lb
					Net	4720 lb
					Tons	2.36

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	2.36	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWM#

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. AL D 0 0 4 0 1 9 0 4 8 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201
256 231-8483

4. Generator's Phone

A. Manifest Number WMNA 11047046

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1 5 2 5 0 4 2 A L

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400	001	CM	00020	CY	113098 containers
b. WM Profile #			2.36 TONS		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
SNOW Creek COA
PO#
WEIGHT TICKET REQUIRED WITH EACH LOAD
DONN WILLIAMS 601-807-1187

Purchase Order # New EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	"Solutia"	1	7	2009

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Taylor Billy m Taylor	Billy m Taylor	1	7	2009

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Shields	Jennifer Shields	1	7	2009

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251535

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/20/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047047
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK2
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/20/2009 11:14:11	Scale1	jshields		Gross	62780 lb
Out	11/20/2009 11:35:36	Scale1	jshields		Tare	31700 lb
					Net	31080 lb
					Tons	15.54

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	15.54	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Posted

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. AL D 0 0 4 0 1 9 0 4 8 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
(DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number WMNA 11047047

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1 5 2 5 0 4 2 A L

C. State Transporter's ID

D. Transporter's Phone 256 835-1600

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS — WM Profile # CF6400	001	CM	00020	CY	Container #20773
b. WM Profile #			15.54	TON	
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Posted Level

Grid

15. Special Handling Instructions and Additional Information
Snow Creek COA — PO# — WEIGHT TICKET REQUIRED WITH EACH LOAD

Purchase Order # New — EMERGENCY CONTACT: DONN WILLIAMS 601-807-1187

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	"Solutia"	11	7	2007

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Taylor Billy McNair		11	7	2007

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Fields		11	7	2007

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251572

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/23/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 11047048
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK2
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/23/2009 10:07:12	Scale1	jshields		Gross	74900 lb
Out	11/23/2009 10:25:25	Scale1	jshields		Tare	37920 lb
					Net	36980 lb
					Tons	18.49

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	18.49	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Paid

Billy McMain

Driver's Signature

Total Fees
Total Ticket

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
SOLUTIA INC (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201
256 231-8483

4. Generator's Phone

A. Manifest Number WMNA 11047048

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1525042AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1681

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF8400	001	CM	00020	CY	Container 113101
b. WM Profile #			18.49 TON		6th St.
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Snowbreak COA PO# WEIGHT TICKET REQUIRED WITH EACH LOAD
New EMERGENCY CONTACT: DONN WILLIAMS 601-807-1187

Purchase Order #

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	"Solutia"	11	25	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Taylor Billy McNair	Billy McNair	11	25	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Shields	Jennifer Shields	11	25	99

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 251583

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 11/23/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1104709
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK2 Volume
Container
Driver
Check#
Billing # 0000400
Gen EPA ID NR
Grid

Posted

	Time	Scale	Operator	Inbound		
In	11/23/2009 12:18:48	Scale1	tdjones		Gross	36340 lb
Out	11/23/2009 12:18:49		tdjones		Tare	31040 lb
					Net	5300 lb
					Tons	2.65

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	2.65	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. A L D 0 0 4 0 1 9 0 4 8 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
SOLUTIA INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number WMNA 11047049

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 1 5 2 5 0 4 2 A L

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400	001	~~Tank~~ CM	00020	CY	Container 107775
b. WM Profile #			2.65 TONS		6th st.
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Snow Creek COA
WEIGHT TICKET REQUIRED WITH EACH LOAD
DONN WILLIAMS 601-807-1187

Purchase Order # PO# New EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	"Solutia"	11	13	07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Taylor Billy McNair		11	13	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tom Jones		11	13	07

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

APPENDIX D

SNOW CREEK DREDGE SPOIL REMOVAL, 710 PINE STREET PROPERTY, DECEMBER 18, 2012

Genesis Project, Inc.
ENVIRONMENTAL SERVICES

Memo

To: Gayle Macolly, Solutia Inc.

From: Michael Price, Genesis Project, Inc. MCP

cc: John Loper, The Loper Group, Inc.
Jerry Hopper, R.S. Williams Associates
Meredith Harris, Roux Associates, Inc.
Alan Fowler, Arcadis, Inc.

Date: December 18, 2012

Re: Snow Creek Dredge Spoil Pile Removal, 710 Pine Street Property, Anniston PCB Site, Anniston, Alabama

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Background

On October 15, 1998, Solutia Inc. submitted the *Dredge Spoil Area Evaluation Report*, prepared by Roux Associates, Inc., to the Hazardous Waste Branch of the Alabama Department of Environmental Management. The purpose of the report was to present the findings and proposed recommendations of the dredge spoil area evaluations conducted along Snow and Choccolocco Creeks.

Roux implemented several methods of investigation to identify and evaluate potential dredge spoil piles. Eight (8) potential areas were identified along the banks of Snow Creek. Area three (3) was partially located in the northwest corner of the property located at 710 Pine Street, Anniston, Alabama (parcel #2609/PPIN #63048), approximately 3,350 ft. from the confluence of the 11th Street Ditch and Snow Creek (Figure 1). The dredge spoil pile at this location reportedly had a length of 40 feet, a width of 13 feet, and a height of 7 feet.

One soil sample (SC-3) was collected from Area 3 in accordance with the *Dredge Spoil Area RFI/CS Work Plan* submitted by Roux on September 13, 1999. The sample was collected with the use of a post hole digger. Due to the size of Area 3 only one five point composite soil sample was collected.

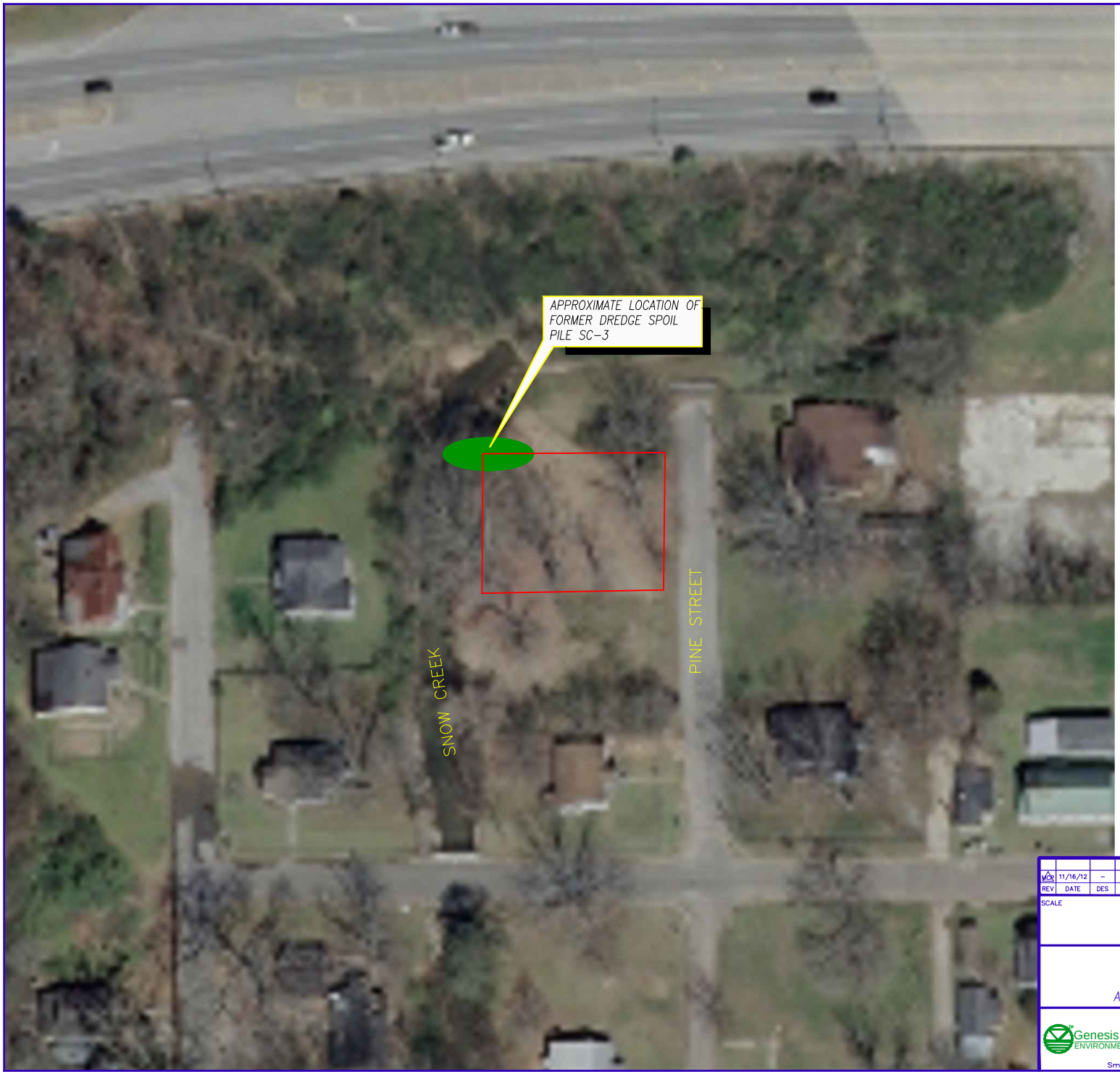
The sample was submitted for polychlorinated biphenyl (PCB) analysis by United States Environmental Protection Agency (USEPA) Method SW846 8082 and total mercury by USEPA Method SW846 6010B. Based on the analytical data provided by Savannah Laboratories,

composite soil sample SC-3 was found to have a total PCB concentration of 24.9 milligrams per kilogram (mg/kg) and a total mercury concentration of 0.20 mg/kg.

Dredge Spoil Pile Removal

On June 10, 2009, the residential removal contractor Entact and Associates, LLC (Entact) initiated residential soil removal activities at 710 Pine Street. During the performance of removal activities at this property, Entact personnel identified a portion of the dredge spoil pile Area 3 in the northwest corner of the property (Attachment 1, Photograph 1). After conferring with the residential removal manager and reviewing the *Dredge Spoil Area RFI/CS Phase I Report* to identify the concentration of PCBs in this dredge spoil pile, a decision was made to remove the entire pile. The soil was loaded into roll-off boxes and staged before being transported to Three Corners Landfill for disposal (Attachment 1, Photograph 2). Between June 26 and July 11, 2009, Industrial Waste, Inc. transported approximately 143.5 tons of PCB impacted soil to Three Corners Landfill for disposal. The soil disposal manifests are included in Attachment 2. After the dredge spoil pile was removed, the area was restored in a similar manner to 710 Pine St. (Attachment 1, Photograph 3), i.e., installation of clean vegetated soil cover.

FIGURE



LEGEND:

PROPERTY LINE

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
MCP	11/16/12	–	–	JAT	MCP	MCP

SCALE 0 75
Scale Feet

APPROXIMATE LOCATION
FORMER DREDGE SPOIL PILE AREA 3
710 PINE STREET
ANNISTON PCB SITE, ANNISTON, ALABAMA

Genesis Project, Inc.
ENVIRONMENTAL SERVICES
Smyrna, Ga

PROJECT No.		OU-1	FILE No.		--
DESIGN	JAT	11/15/12	SCALE	AS SHOWN	REV. --
CADD	JAT	11/15/12	Figure 1		
CHECK	MCP	11/19/12			
REVIEW	MCP	11/19/12			

ATTACHMENT 1
SITE PHOTOGRAPHS

Photograph 1: Snow Creek Dredge Spoil Pile SC-3 Located in the Northwest Corner of 710 Pine Street (June 12, 2009).

Photograph 2: Dredge Spoil Pile SC-3 Staged in Roll-Off Boxes Before Being Transported to Three Corners Landfill (June 12, 2009).

Photograph 3: Dredge Spoil removed and Restored in a Similar Manner to 710 Pine St. (June 24, 2009)

ATTACHMENT 2
WASTE MANIFESTS

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 246346

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 06/26/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10823971
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK2 Volume
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

710 Pine / Taylor ✓

	Time	Scale	Operator	Inbound
In	06/26/2009 10:26:19	Scale1	jshields	
Out	06/26/2009 10:43:15	Scale1	jshields	

Gross	71220 lb
Tare	31040 lb
Net	40180 lb
Tons	20.09

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	20.09	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWMI

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 — Manifest Document No.

2. Page 1 of 1 — 4503744475

3. Generator's Name and Mailing Address
SOLUTIA, INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number **WMNA 10823971**

B. State Generator's ID

5. Transporter 1 Company Name: TAYLOR CORP.

6. US EPA ID Number: 152504242AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400	001	CM	00020	CY	M/O Pine Ave
b. WM Profile #			20.01	TONS	
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
WEIGHT TICKET REQUIRED WITH EACH LOAD

PO# 4503744475 DONN WILLIAMS 601-807-1187

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	D Williams Solutia	05	16	05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy McNair	Billy McNair	05	16	05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Heather Shields	Heather Shields	05	16	05

CWM - NHM - 1 - 5/97

#4 - GENERATOR #2 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 248105

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 08/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10919665
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK2 Volume
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

	Time	Scale	Operator	Inbound		
In	08/13/2009 10:27:29	Scale1	jshields		Gross	38680 lb
Out	08/13/2009 10:45:02	Scale1	jshields		Tare	30640 lb
					Net	8040 lb
					Tons	4.02

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	4.02	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of 1 | 4503744475

3. Generator's Name and Mailing Address
Solutia
Clydesdale Av. Anniston AL. 36201

4. Generator's Phone

A. Manifest Number **WMNA 10919665**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

G. State Facility's ID

H. Facility's Phone 256 447-1881

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. CF 6400 contaminated Soil & Debris WM Profile #			4.02		710 Pine Av
b. WM Profile #			TON		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 4503744475 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		08	13	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		08	13	09

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
		08	13	09

CWM - NHM - 1 - 5/97

#4 - GENERATOR #2 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 246549

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 07/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10823958
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK1
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

24

	Time	Scale	Operator	Inbound		
In	07/01/2009 11:21:13	Scale1	jshields		Gross	65940 lb
Out	07/01/2009 11:41:11	Scale1	jshields		Tare	32840 lb
					Net	33100 lb
					Tons	16.55

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	16.55	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Paid

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004919048 — Manifest Document No.

2. Page 1 of 1

710 Pine Ave Can # 4840

3. Generator's Name and Mailing Address
SOLUTIA, INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number WMNA 10823958

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 152504241AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS 9/13/09 WM Profile # CF6400	001	CM	00020	CY	
b. 9/13/09 WM Profile #			16.55 TON		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
WEIGHT TICKET REQUIRED WITH EACH LOAD
PO# 4503744475 DONN WILLIAMS 601-807-1187

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	D Willis Solutia	09	09	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Thomas Burney		9	9	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Stephs	Jennifer Stephs	09	09	09

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 246756

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 07/08/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10823955
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK2
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

29

	Time	Scale	Operator	Inbound		
In	07/08/2009 11:14:08	Scale1	jshields		Gross	37660 lb
Out	07/08/2009 11:32:32	Scale1	jshields		Tare	31520 lb
					Net	6140 lb
					Tons	3.07

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	3.07	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD042019048 Manifest Document No.

2. Page 1 of 1 — 4503744475

3. Generator's Name and Mailing Address
SOLUTIA, INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number WMNA 10823955

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 152504241AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PEDRICKTOWN NJ 08072

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400	001	CM	00020	CY	710 Pine
b. WM Profile #			3.07	TONS	
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
WEIGHT TICKET REQUIRED WITH EACH LOAD

PO# 4503744475 DONN WILLIAMS 601-807-1187

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	Solutia	01	28	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Thomas Burney	Thomas Burney	01	29	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy McClair	Billy McClair	01	29	97

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jerry Steeds	Jerry Steeds	01	30	97

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 246773

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 07/08/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10823956
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK2
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

30

	Time	Scale	Operator	Inbound		
In	07/08/2009 13:10:38	Scale1	jshields		Gross	64140 lb
Out	07/08/2009 13:30:57	Scale1	jshields		Tare	31980 lb
					Net	32160 lb
					Tons	16.08

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	16.08	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Paid

Total Fees
Total Ticket

Driver's Signature

403WM

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 Manifest Document No.

2. Page 1 of 1 — 4503744475

3. Generator's Name and Mailing Address
SOLUTIA, INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number WMNA 10823956

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 152504 2 AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1600

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400	001	CM	00020	CY	710 Pine Av.
b. WM Profile #					16.08 TONS
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
WEIGHT TICKET REQUIRED WITH EACH LOAD

PO# 4503744475 DONN WILLIAMS 601-807-1187

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

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Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	D. Williams Solutia	01	08	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy McGinnis	Billy McGinnis	01	08	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facitilty Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Steeds	Jennifer Steeds	01	08	97

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

THREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 246808

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 07/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10823957
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK2 Volume
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

31

	Time	Scale	Operator	Inbound		
In	07/09/2009 11:28:42	Scale1	jshields		Gross	71140 lb
Out	07/09/2009 11:44:28	Scale1	jshields		Tare	31620 lb
					Net	39520 lb
					Tons	19.76

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	19.76	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Paid

Total Fees
Total Ticket

Driver's Signature

403WM

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 — Manifest Document No.

2. Page 1 of 1 — 4503744475

3. Generator's Name and Mailing Address
SOLUTIA, INC. (DONN WILLIAMS)
702 CLYDESDALE AVE
ANNISTON AL 36201

4. Generator's Phone 256 231-8483

A. Manifest Number WMNA 10823957

B. State Generator's ID

5. Transporter 1 Company Name TAYLOR CORP.

6. US EPA ID Number 152504241AL

C. State Transporter's ID

D. Transporter's Phone 256 835-1800

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT AL 36272

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 256 447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400	001	CM	00020	CY	710 Pine Ave.
b. WM Profile #			19.76 TONS		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
WEIGHT TICKET REQUIRED WITH EACH LOAD

PO# 4503744475 DONN WILLIAMS 601-807-1187

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name Donn Williams — Signature "On behalf of" D Williams Solutia — Month 07 Day 09 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Billy McNair — Signature Billy McNair — Month 07 Day 09 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Jennifer Stubbs — Signature Jennifer Stubbs — Month 07 Day 09 Year 07

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

TAREE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 246817

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 07/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 387790
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK2
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

32

	Time	Scale	Operator	Inbound		
In	07/09/2009 13:49:47	Scale1	jshields		Gross	64940 lb
Out	07/09/2009 14:07:17	Scale1	jshields		Tare	33800 lb
					Net	31140 lb
					Tons	15.57

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	15.57	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Pink

Pink

Total Fees
Total Ticket

Billy Ray

Driver's Signature

403WM

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD 004 190 488 — Manifest Document No.

2. Page 1 of 1 — 4503744475

3. Generator's Name and Mailing Address
SOLUTIA, INC.
702 CLYDESDALE AVE.
ANNISTON, AL 36201-5390

A. Manifest Number WMNA387790 — 387790

B. State Generator's ID

4. Generator's Phone 256 231-8483

5. Transporter 1 Company Name INDUSTRIAL WASTE / TAYLOR CORP. — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL 36272 — 10. US EPA ID Number 100020000000000

G. State Facility's ID

H. Facility's Phone 256/447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400			15.57	TONS	
b. SOIL & DEBRIS CONTAMINATED WITH PCB'S & 4-NITROPHENOL (PNP) WM Profile # CW5520					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CERTIFICATE OF DISPOSAL REQUESTED

601-807-1187

Purchase Order # 4503744475 EMERGENCY CONTACT: Donn Williams

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	D. Williams Solutia	01	09	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy McClair	Billy McClair	01	09	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Shields	Jennifer Shields	01	09	09

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#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

EE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 246844

Customer Name SOLUTIA_CF6400_CW5520_408 SOL
Ticket Date 07/10/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 387789
Destination
PO 4503744475
Profile CF6400 (Special Waste Misc)
Generator 181-SOLUTIA SOLUTIA

Carrier INDUSTRIAL WASTE INC
Vehicle# MACK2
Container
Driver
Check#
Billing # 0000408
Gen EPA ID NR
Grid

Volume

33

	Time	Scale	Operator	Inbound
In	07/10/2009 09:40:11	Scale1	jshields	
Out	07/10/2009 09:57:48	Scale1	jshields	

Gross	67920 lb
Tare	31120 lb
Net	36800 lb
Tons	18.40

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	18.40	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Pine

Total Fees
Total Ticket

Billy Ann

Driver's Signature

403WM

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 — Manifest Document No.

2. Page 1 of 1 — 4503744475

3. Generator's Name and Mailing Address
SOLUTIA, INC.
702 CLYDESDALE AVE.
ANNISTON, AL 36201-5390

A. Manifest Number WMNA387789 — 387789

B. State Generator's ID

4. Generator's Phone 256 231-8483

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL 36272

10. US EPA ID Number 100200000000

G. State Facility's ID

H. Facility's Phone 256/447-1881

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS — WM Profile # CF6400			18.40		710 Pine Av.
b. SOIL & DEBRIS CONTAMINATED WITH PCB'S & 4-NITROPHENOL (PNP) — WM Profile # CW5520			tons		
c. — WM Profile #					
d. — WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid Pine

15. Special Handling Instructions and Additional Information

CERTIFICATE OF DISPOSAL REQUESTED

601-807-1187

Purchase Order # 4503744475 EMERGENCY CONTACT: Don Williams

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Don Williams	Solutia	07	10	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy McNair	Billy McNair	07	10	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Jennifer Shields	Jennifer Shields	07	10	09

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#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

PEE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 246862

Customer Name	SOLUTIA_CF6400_CW5520_408 SOL	Carrier	INDUSTRIAL WASTE INC
Ticket Date	07/10/2009	Vehicle#	MACK2 Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000408
State Waste Code		Gen EPA ID	NR
Manifest	387788	Grid	
Destination			
PO	4503744475		
Profile	CF6400 (Special Waste Misc)		
Generator	181-SOLUTIA SOLUTIA		

34

	Time	Scale	Operator	Inbound		
In	07/10/2009 13:29:18	Scale1	jshields		Gross	38760 lb
Out	07/10/2009 13:45:43	Scale1	jshields		Tare	31680 lb
					Net	7080 lb
					Tons	3.54

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	3.54	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Pine

Total Fees
Total Ticket

Driver's Signature Billy McCain

403WM

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: ALD004019848 — Manifest Document No.:

2. Page 1 of 1 — 4503744475

3. Generator's Name and Mailing Address:
SOLUTIA, INC.
702 CLYDESDALE AVE.
ANNISTON, AL 36201-5390

4. Generator's Phone: 256 231-8483

A. Manifest Number: WMNA 387788 — 387788

B. State Generator's ID:

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address:
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL 36272

10. US EPA ID Number: 100209000000000

G. State Facility's ID:

H. Facility's Phone: 256/447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400			354		710 Pine Av.
b. SOIL & DEBRIS CONTAMINATED WITH PCB'S & 4-NITROPHENOL (PNP) WM Profile # CW5520			TONS		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid Pine

15. Special Handling Instructions and Additional Information

CERTIFICATE OF DISPOSAL REQUESTED

Purchase Order # 4503744475 EMERGENCY CONTACT: 601-807-1187 Don Williams

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	D Williams Solutia	01	10	07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy Morgan	Billy Morgan	01	10	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
JENNIFER SHIELDS	Jennifer Shields	01	10	07

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#2 - GENERATOR #1 COPY

WASTE MANAGEMENT

T[illegible] CORNERS LANDFILL
22[illegible] COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1891

Original
Ticket# 246914

Customer Name	SOLUTIA_CF6400_CW5520_408 SOL	Carrier	TAYLOR RO
Ticket Date	07/11/2009	Vehicle#	MACK-20OT
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000408
State Waste Code		Gen EPA ID	NR
Manifest	387786	Grid	
Destination			
PO	4503744475		
Profile	CF6400 (Special Waste Misc)		
Generator	181-SOLUTIA SOLUTIA		

Volume

26

	Time	Scale	Operator	Inbound		
In	07/11/2009 08:58:45	Scale1	jshields		Gross	78180 lb
Out	07/11/2009 09:15:27	Scale1	jshields		Tare	31100 lb
					Net	47080 lb
					Tons	23.54

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	23.54	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Paid

Total Fees
Total Ticket

Billy McClain
Driver's Signature

403WM

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 — Manifest Document No.

2. Page 1 of 1 — 450374414475

3. Generator's Name and Mailing Address
SOLUTIA, INC.
702 CLYDESDALE AVE.
ANNISTON, AL 36201-5390

A. Manifest Number WMNA387786 — 387786

B. State Generator's ID

4. Generator's Phone 256 231-8483

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL 36272

10. US EPA ID Number 100209000000

G. State Facility's ID

H. Facility's Phone 256/447-1881

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6408			23.54 TONS		M10 Pine Av.
b. SOIL & DEBRIS CONTAMINATED WITH PCB'S & 4-NITROPHENOL (PNP) WM Profile # CW5520					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CERTIFICATE OF DISPOSAL REQUESTED

601-807-1187

Purchase Order # 4503744475 EMERGENCY CONTACT: Donn Williams

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Donn Williams	D.W.	07	1	09

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy McNair	Billy McNair	07	1	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tom Sowell		07	1	09

GENERATOR / TRANSPORTER / FACILITY

CWM - NHM - 1- 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

EE CORNERS LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL, 36272
Ph: (256) 447-1881

Original
Ticket# 246877

Customer Name	SOLUTIA_CF6400_CW5520_408 SOL	Carrier	TAYLOR RO
Ticket Date	07/11/2009	Vehicle#	MACK--20OT
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000408
State Waste Code		Gen EPA ID	NR
Manifest	307783	Grid	
Destination			
PO	4503744475		
Profile	CF6400 (Special Waste Misc)		
Generator	181-SOLUTIA SOLUTIA		

Volume

2-7

	Time	Scale	Operator	Inbound		
In	07/11/2009 07:07:39	Scale1	jshields		Gross	37500 lb
Out	07/11/2009 07:29:06	Scale1	jshields		Tare	31740 lb
					Net	5760 lb
					Tons	2.88

Comments

MON-FRI 7:00 AM - 4:30 PM / SAT 7:00 AM - 11:30 AM / SUN - CLOSED

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	NON-TSCA PCB SOIL/	100	2.88	Tons				CALAL
2	FUEL-Fuel Surcharg	100		%				CALAL
3	Evf8-Env Fee $8 Lg	100	1	Load				CALAL

Paid

Total Fees
Total Ticket

Billy McKinney

Driver's Signature

403WM

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. ALD004019048 — Manifest Document No.

2. Page 1 of 1 — 4503744475

3. Generator's Name and Mailing Address
SOLUTIA, INC.
702 CLYDESDALE AVE.
ANNISTON, AL 36201-5390

A. Manifest Number WMNA 387783 — 387783

B. State Generator's ID

4. Generator's Phone 256 231-8483

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THREE CORNERS REGIONAL LANDFILL
2205 COUNTY ROAD 6
PIEDMONT, AL 36272

10. US EPA ID Number 100200000000

G. State Facility's ID

H. Facility's Phone 256/447-1881

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB CONTAMINATED SOIL AND DEBRIS WM Profile # CF6400			2.88 TONS		710 Pine Av.
b. SOIL & DEBRIS CONTAMINATED WITH PCB'S & 4-NITROPHENOL (PNP) WM Profile # CW5520					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill_____ Solidification_____
Bio Remediation_____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
CERTIFICATE OF DISPOSAL REQUESTED
601-807-1187
Purchase Order # 4503744475 EMERGENCY CONTACT: DONN Williams

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: DONN Williams — Signature "On behalf of" "SOLUTIA" — Month 01 Day 11 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Billy mClair — Signature — Month 01 Day 11 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name: Tom Jones — Signature — Month 01 Day 11 Year 05

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#2 - GENERATOR #1 COPY

APPENDIX E

DREDGE SPOIL AREA DATA FORMS AND PHOTOS

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 1 / Snow Creek

DATE OF INSPECTION: 9/11/2012

INSPECTION BY: Roux Associates, Inc

LOCATION	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank? (looking downstrm)	(#6) Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	(#7) Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (#8) (approx.) (ft)
	1147760.024	655051.9125					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 39' 17.9800" N	85° 50' 13.1877" W	Left (L)	2,950	686	26.6	0 (at top pf bank level)

LAND OWNERSHIP INFORMATION	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
	11-2103-07-1-02-038 Calhoun Co.	Anniston Land Co., Inc P.O. Box 850 / 16 W. 11th St. Anniston, Alabama 36201	Open Field/ Undeveloped

PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Established?
	57	30	6 (apprx)	Sand Silt Gravel	Non-woven Geotextile; Weeds and brush	Yes

AREA SLOPE DATA	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s)?
	2 : 1	12	2 : 1	12	2 : 1	Slight erosion, impeded by heavy growth

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 2 / Snow Creek

DATE OF INSPECTION: 9/11/2012

INSPECTION BY: Roux Associates, Inc

LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1147762.065	654955.476					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 39' 18.0002" N	85° 50' 14.3286" W	Right (R)	2,950	690	22	15 (above bank level)

LAND OWNERSHIP INFORMATION	(#10)	(#11)	(#12)
	Parcel No.	Owner Name/Address	Land Use
	11-2103-07-1-02-037 Calhoun Co.	Anniston Land Co., Inc P.O. Box 850 / 16 W. 11th St. Anniston, Alabama 36201	Hillside slope / wooded

PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Established?
	50	27	3	Sand Silt Gravel	Thick woods, briers, weeds	Yes

AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?
	2 : 1	4	2: 1	4	2 : 1	Creek bank has eroded significantly. Eastern slope of pile has slumped toward the creek

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 7 / Snow Creek							
DATE OF INSPECTION: 9/11/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1136330.112	657315.626					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 37' 24.9002" N	85° 49' 46.4126" W	Right (R)[1]	15,500	650	0	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10)	(#11)				(#12)	
	Parcel No.	Owner Name/Address				Land Use	
	* Multiple See Attached list	U.S. Castings/U.S. Pipe; Primax Properties, LLC; James Jennings; Donald O. & Zandra Sills; (Frank) Chien-Hwa Chen				Flood plain / undeveloped	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	186	30	3	Sand Silt Gravel	Trees, ivy, vinces, weeds		Yes
AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)	
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Primarily flat, parallel to creek	N/A	Near Vert. at creek bank	N/A	Portions near vertical at creek bank	Yes. Erosion of bank possibly cut significant portion of pile on east side. Width significantly smaller than indicated in previous investigation.	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 8 / Snow Creek							
DATE OF INSPECTION: 9/11/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1136248.406	657329.164					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 37' 24.0919" N	85° 49' 46.2525" W	Left (L)[1]	15,500	646	0	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10)	(#11)				(#12)	
	Parcel No.	Owner Name/Address				Land Use	
	* Multiple See attached list	U.S. Castings/U.S. Pipe; Primax Properties, LLC; James Jennings; Donald O. & Zandra Sills; (Frank) Chien-Hwa Chen				Flood plain / undeveloped	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	228	70	3	Sand Silt Gravel	Trees, ivy, vinces, weeds		Yes
AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)	
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Primarily flat, parallel to creek	N/A	Near Vert. at creek bank	N/A	Portions near vertical at creek bank	Yes. Erosion of bank possibly cut significant portion of pile on west side. Width significantly smaller than indicated in previous investigation.	

AREA PHOTOGRAPH

1. In the *Dredge Spoil Area Evaluation Report, October 1998* , Area 8 was incorrectly noted as being located on the Right bank looking downstream.

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 1 / Choccolocco Creek							
DATE OF INSPECTION: 9/12/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank? (looking downstrm)	(#6) Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	(#7) Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (#8) (approx.) (ft)
	1120576.528	631656.9024					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 48.9501" N	85° 54' 49.7044" W	Right (R)	45,500	589.4	70	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10) Parcel No.	(#11) Owner Name/Address				(#12) Land Use	
	61-06-02-04-0-000-006-000 Talladega Co.	Wanda Champion 2863 Silver Run Road Oxford, Alabama 36203				Flood plain / agricultural	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	130	100	N/A Depth = 4' per NRCS	Sand Silt	Grass, tall weeds		Yes
AREA SLOPE DATA	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Flat	N/A	Flat	N/A	Flat	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 4 / Choccolocco Creek							
DATE OF INSPECTION: 9/12/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank? (looking downstrm)	(#6) Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	(#7) Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (#8) (approx.) (ft)
	1121685.715	635898.063					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 59.9733" N	85° 53' 59.5825" W	Left (L)	39,500	575.2	75	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10) Parcel No.	(#11) Owner Name/Address				(#12) Land Use	
	61-02-04-0-000-013-000 Talladega Co.	Perry & Patricia Kerr 2310 Silver Run Rd. Munford, Alabama 36268				Pasture / agricultural	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	100	85	N/A Depth = 3to 5' per NRSC	Sand Silt Gravel	Grass and tall weeds		Yes
AREA SLOPE DATA	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Flat	N/A	Flat	N/A	Flat	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 5 / Choccolocco Creek

DATE OF INSPECTION: 9/12/2012

INSPECTION BY: Roux Associates, inc

LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1120929.394	635528.335					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 34' 52.4686" N	85° 54' 03.9470" W	Left (L)	38,500	575.6	200	0 (at top of bank level)

LAND OWNERSHIP INFORMATION	(#10)	(#11)	(#12)
	Parcel No.	Owner Name/Address	Land Use
	61-06-02-04-0-000-013-000 Talladega Co.	Perry & Patricia Kerr 2310 Silver Run Rd. Munford, Alabama 36268	Pasture / agricultural

PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Established?
	100	120	N/A Depth = 3to 5' per NRSC	Sand Gravel Silt	Grass and tall weeds	Yes

AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?
	Flat	N/A	Flat	N/A	Flat	No

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 7 / Choccolocco Creek

DATE OF INSPECTION: 9/12/2012

INSPECTION BY: Roux Associates, Inc

LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1119579.737	635212.4332					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 34' 39.1138" N	85° 54' 07.6704" W	Left (L)	36,500	574.8	500	0 (at top of bank level)

LAND OWNERSHIP INFORMATION	(#10)	(#11)	(#12)
	Parcel No.	Owner Name/Address	Land Use
	61-06-02-04-0-000-016-000 Talladega Co.	Perry & Patricia Kerr 2310 Silver Run Rd. Munford, Alabama 36268	Pasture / agricultural

PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Established?
	160	20	N/A Depth = 4' per NRCS	Sand Gravel Silt	Grass and weeds	Yes

AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?
	Flat	N/A	Flat	N/A	Flat	No

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 9 / Choccolocco Creek							
DATE OF INSPECTION: 9/12/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank? (looking downstrm)	(#6) Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	(#7) Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (#8) (approx.) (ft)
	1119627.041	636273.837					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 34' 39.5886" N	85° 53' 55.1254" W	Left (L)	36,500	574.8	0	3 (to top of bank level)
LAND OWNERSHIP INFORMATION	(#10) Parcel No.	(#11) Owner Name/Address				(#12) Land Use	
	61-06-02-03-0-000-031-000 Talladega Co.	Perry & Patricia Kerr 2310 Silver Run Rd. Munford, Alabama 36268				Flood plain / undeveloped	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	100	75	N/A Depth = 0-7' per NRCS	Sand Gravel Silt	Grass and weeds		Yes
AREA SLOPE DATA	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Flat	N/A	Flat	N/A	5 : 1 near creek edge	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 10 / Choccolocco Creek

DATE OF INSPECTION: 9/12/2012

INSPECTION BY: Roux Associates, Inc

LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1118980.283	637278.393					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 34' 33.1961" N	85° 53' 43.2474" W	Left (L)	34,000	577.8	200	0 (at top of bank level)

LAND OWNERSHIP INFORMATION	(#10)	(#11)	(#12)
	Parcel No.	Owner Name/Address	Land Use
	61-06-02-03-0-000-033-000 Talladega Co.	Perry & Patricia Kerr 2310 Silver Run Rd. Munford, Alabama 36268	Flood plain / undeveloped

PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Established?
	250	110	2 above top of bank, Depth =3 per NRSC	Sand Silt Gravel	Grass and weeds	Yes

AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?
	Flat at top	approx. 8 at edges where 4:1 slope	Flat at top	approx. 8 at edges where 4:1 slope	4 : 1 at pile edges	No

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 12 / Choccolocco Creek

DATE OF INSPECTION: 9/12/2012

INSPECTION BY: Roux Associates, Inc

LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1118979.907	639068.1385					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 34' 33.2024" N	85° 53' 22.0937" W	Left (L)	32,000	580	80	0 (at top of bank level)

LAND OWNERSHIP INFORMATION	(#10)	(#11)	(#12)
	Parcel No.	Owner Name/Address	Land Use
	61-06-02-03-0-000-034-000 Talladega Co.	Doris R. Burrows P.O. Box 3118 Oxford, Alabama 36203	Flood plain / undeveloped

PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Established?
	100	90	N/A Depth = 4 to 5 per NRSC	Sand Silt Gravel	Grass and weeds	Yes

AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?
	Mostly Flat	N/A	Mostly Flat	N/A	3 : 1 slope at west and south edge	No

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 15 / Choccolocco Creek							
DATE OF INSPECTION: 9/12/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1119067.854	639824.8552					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 34' 34.0765" N	85° 53' 13.1504" W	Right (R)	31,000	578.6	150	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10)	(#11)				(#12)	
	Parcel No.	Owner Name/Address				Land Use	
	61-06-02-03-0-000-029-000 Talladega Co.	Calhoun County Economic Development Council P.O. Box 2283 Anniston, Alabama 36202				Undeveloped	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	70	150	N/A Depth = 3 to 4 per NRSC	Sand Silt Gravel	Grass and tall weeds		Yes
AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)	
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Flat	N/A	Flat	N/A	Flat	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 16 / Choccolocco Creek							
DATE OF INSPECTION: 9/12/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1118743.848	640883.2374					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 34' 30.8762" N	85° 53' 00.6391" W	Right (R)	30,000	581.8	100	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10)	(#11)				(#12)	
	Parcel No.	Owner Name/Address				Land Use	
	61-06-02-03-0-000-029-000 Talladega Co.	Calhoun County Economic Development Council P.O. Box 2283 Anniston, Alabama 36202				Undeveloped	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	165	100	apprx. 2' tall; Depth = 2 to 5 per NRSC	Sand Silt Gravel	Grass and tall weeds		Yes
AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)	
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Flat	N/A	4 : 1	8 approx.	4 : 1	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 18 / Choccolocco Creek							
DATE OF INSPECTION: 9/12/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1119480.3	644907.6022					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 34' 38.1790" N	85° 52' 13.0771" W	Right (R)	24,000	588	500	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10)	(#11)				(#12)	
	Parcel No.	Owner Name/Address				Land Use	
	61-06-01-02-0-000-009-000	City of Anniston 1128 Gurnee Ave. Anniston, Alabama 36201				Airport buffer zone	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	130	150	3 Depth =2 per NRSC	Sand Silt Gravel	Grass and tall weeds		Yes
AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)	
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Mostly flat	N/A	Mostly flat	N/A	3 : 1 (at northern edge)	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 19 / Choccolocco Creek							
DATE OF INSPECTION: 9/13/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1118790.881	646112.8811					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 34' 31.3623" N	85° 51' 58.8287" W	Left (L)	23,000	588	250	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10)	(#11)				(#12)	
	Parcel No.	Owner Name/Address				Land Use	
	61-06-01-02-0-000-010-000 Talladega Co.	Billy Ray and Tommie Jean Camp 480 Kirby Road Oxford, Alabama 36203				Pasture	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	100	65	N/A Depth = 5 to 6 per NRSC	Sand Silt Gravel	Grass and tall weeds		Yes
AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)	
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Flat	N/A	Flat	N/A	Flat	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 23 / Choccolocco Creek							
DATE OF INSPECTION: 9/13/2013			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1121847.184	650250.8679					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 35' 01.6099" N	85° 51' 09.9273" W	Left (L)	16,000	593.2	20	2 (above bank level)
LAND OWNERSHIP INFORMATION	(#10)	(#11)				(#12)	
	Parcel No.	Owner Name/Address				Land Use	
	61-06-01-01-0-000-003-000 Talladega Co.	Joe N. Bennett 1608 Joe Street Oxford, Alabama 36203				Pasture / agricultural	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	185	100	N/A Depth = 3 per NRSC	Sand & Silt	Grass, weeds, some trees planted along perimeter		Yes
AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)	
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	10 : 1	40 approx.	10 : 1	40 approx.	10 : 1	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 24 / Choccolocco Creek

DATE OF INSPECTION: 9/13/2013

INSPECTION BY: Roux Associates, Inc

LOCATION	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank? (looking downstrm)	(#6) Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	(#7) Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (#8) (approx.) (ft)
	1121894.629	651514.1979					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 35' 02.0814" N	85° 50' 54.9943" W	Left (L)	14,500	594.2	~ 5 (next to flood berm)	2 (above bank level)

LAND OWNERSHIP INFORMATION	(#10) Parcel No.	(#11) Owner Name/Address	(#12) Land Use
	61-06-01-01-0-000-003-000 Talladega Co.	Joe N. Bennett 1608 Joe Street Oxford, Alabama 36203	Pasture / Agricultural

PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Established?
	280	165	~ 10	Sand Silt Gravel	Grass	Yes

AREA SLOPE DATA	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s)?
	3 : 1 w/ flat top	~ 50	3 : 1	~ 50	3 : 1	No

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 25 / Choccolocco Creek							
DATE OF INSPECTION: 9/13/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1122206.739	652309.5733					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 35' 05.1703" N	85° 50' 45.5931" W	Left (L)	13,500	595.5	70	0 (top of bank level)
LAND OWNERSHIP INFORMATION	(#10)	(#11)				(#12)	
	Parcel No.	Owner Name/Address				Land Use	
	61-05-03-06-0-000-004-000	Alabama Land Trust 226 Old Ladiga Road Piedmont, Alabama 36272				Flood plain / undeveloped	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	110	100	N/A Depth = 4 to 5 per NRCS	Sandy Loam	Grass, weeds, small oak trees		Yes
AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)	
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Flat	N/A	Flat	N/A	Flat	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 26 / Choccolocco Creek

DATE OF INSPECTION: 9/13/2012

INSPECTION BY: Roux Associates, Inc

LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1122863.888	653390.9506					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 35' 11.6729" N	85° 50' 32.8112" W	Right (R)	12,000	595.8	~ 40	0 (at top of bank level)

LAND OWNERSHIP INFORMATION	(#10)	(#11)	(#12)
	Parcel No.	Owner Name/Address	Land Use
	11-21-09-31-3-01-001 Calhoun Co.	Phyllis S. Weaver 1 Meadowlake Farm Road Oxford, Alabama 36203	Pasture / agricultural

PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description	(#18) Is Vegetation Well Established?
	140	60	N/A Depth = 4 to 6 per NRCS	Sand Silt Gravel	Grass and weeds	Yes

AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?
	Flat	N/A	Mostly flat	N/A	3 : 1 where fill transitions into old borrow pit	No but there was evidence of a drainage swale created on the property.

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 28A / Choccolocco Creek							
DATE OF INSPECTION: 9/13/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1) Northing (via GPS)	(#2) Easting (via GPS)	(#5) Left (L) or Right (R) Bank? (looking downstrm)	(#6) Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	(#7) Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	(#8) Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	(#9) Elevation Drop Along (#8) (approx.) (ft)
	1123772.696	655731.7219					
	(#3) Latitude (via GPS)	(#4) Longitude (via GPS)					
	33° 35' 20.6653" N	85° 50' 05.1416" W	Right (R)	9,000	596.1	80	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10) Parcel No.	(#11) Owner Name/Address				(#12) Land Use	
	11-21-09-31-4-001-002 Calhoun Co.	Phyllis S. Weaver 1 Meadowlake Farm Road Oxford, Alabama 36203				Pature / agricultural	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	240	70	N/A Depth = 5 to 6 per NRCS	Sand Silt	Grass, weeds, saplings		Yes
AREA SLOPE DATA	(#19) Average Slope Along Length (H) : (V)	(#20) Slope Length (Along Length) (ft)	(#21) Average Slope Along Width (H) : (V)	(#22) Slope Length (Along Width) (ft)	(#23) Steepest Slope (H) : (V)	(#24) Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Flat	N/A	Flat	N/A	Flat	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 28B / Choccolocco Creek							
DATE OF INSPECTION: 9/13/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1124326.124	656211.7946					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 35' 26.1406" N	85° 49' 59.4665" W	Right (R)	9,000	596.1	80	0 (at top of bank level)
LAND OWNERSHIP INFORMATION	(#10)	(#11)				(#12)	
	Parcel No.	Owner Name/Address				Land Use	
	11-21-09-31-4-01-002 Calhoun Co.	Phyllis S. Weaver 1 Meadowlake Farm Road Oxford, Alabama 36203				Pature / Agricultural	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	155	45	N/A Dpth = 6 to 7 per NRCS	Sand Silt	Grass and weeds		Yes
AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)	
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Flat	N/A	Flat	N/A	Flat	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 29 / Choccolocco Creek							
DATE OF INSPECTION: 9/13/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1125444.648	657128.8242					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 35' 37.2064" N	85° 49' 48.6254" W	Right (R)	6,500	597.8	10	0 (top of bank level)
LAND OWNERSHIP INFORMATION	(#10)	(#11)				(#12)	
	Parcel No.	Owner Name/Address				Land Use	
	11-21-09-31-4-01-002 Calhoun Co.	Phyllis S. Weaver 1 Meadowlake Farm Road Oxford, Alabama 36203				Pasture / agricultural	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	215	55	N/A Depth = 4 to 5 per NRCS	Sand Silt	Grass and weeds		Yes
AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)	
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Flat	N/A	Flat	N/A	Flat	No	

AREA PHOTOGRAPH

DREDGE SPOIL AREA DATA

AREA IDENTIFICATION NUMBER: Area 31 / Choccolocco Creek							
DATE OF INSPECTION: 9/13/2012			INSPECTION BY: Roux Associates, Inc				
LOCATION	(#1)	(#2)	(#5)	(#6)	(#7)	(#8)	(#9)
	Northing (via GPS)	Easting (via GPS)	Left (L) or Right (R) Bank? (looking downstrm)	Distance (ft) Downstram from 11th St. Ditch Confluence (from map measurement)	Top/Crest Elevation (approx) (ft-MSL) (from NRCS reference benchmarks)	Horiz. Dist. From Toe of Area to Creek Top of Bank (ft)	Elevation Drop Along (#8) (approx.) (ft)
	1127040.295	657579.5389					
	(#3)	(#4)					
	Latitude (via GPS)	Longitude (via GPS)					
	33° 35' 52.9926" N	85° 49' 43.2965" W	Left (L)	3,500	602.2	300	0 (top of bank level)
LAND OWNERSHIP INFORMATION	(#10)	(#11)				(#12)	
	Parcel No.	Owner Name/Address				Land Use	
	11-21-09-32-2-01-006 Calhoun Co.	Jay F. Pumroy 88 Lakeview Drive Oxford, Alabama 36203				Pasture / agricultural	
PHYSICAL DESCRIPTION	(#13) Length (ft)	(#14) Width (ft)	(#15) Height (ft)	(#16) Soil Type In Area	(#17) Cover Type and Description		(#18) Is Vegetation Well Established?
	135	230	2 Depth = 2 per NRCS	Sand Silt Gravel	Grass		Yes
AREA SLOPE DATA	(#19)	(#20)	(#21)	(#22)	(#23)	(#24)	
	Average Slope Along Length (H) : (V)	Slope Length (Along Length) (ft)	Average Slope Along Width (H) : (V)	Slope Length (Along Width) (ft)	Steepest Slope (H) : (V)	Is There Evidence of Slump, Erosion or Area Stability Problem(s)?	
	Mostly flat, except at edges	N/A	Mostly flat, except at edges	N/A	5 : 1 at south and east edges	No	

AREA PHOTOGRAPH