N83447.AR.000495
NAS FORT WORTH
5090.3a

FINAL RCRA FACILITY INVESTIGATION FOR SOLID WASTE MANAGEMENT UNIT 27 NAS FORT WORTH TX
2/1/2000
HYDROGEOLOGIC

512 0

File: 17G
P.W.

NAVAL AIR STATION
FORT WORTH JRB
CARSWELL FIELD
TEXAS

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 512

512 1

File:
P.W. 17A-79A

512

HYDRO GeoLogic INC.

FINAL

RCRA FACILITY INVESTIGATION REPORT
SWMU 27 (LANDFILL 10)
NAS FORT WORTH JRB, TEXAS

Prepared for
U.S. Air Force Center for Environmental Excellence
Brooks AFB, Texas

Contract Number F41624-95-D-8005

February 2000

HydroGeoLogic, Inc.
1155 Herndon Parkway
Suite 900
Herndon, Virginia 20170
(703) 478-5186

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE TEXAS

2 March 2000

MEMORANDUM FOR RAY RISNER (TNRCC)

FROM: Michael Dodyk
HQ AFCEE/ERD
P.O. Box 27008
Fort Worth, Texas 76127-0008

SUBJECT: Naval Air Station Joint Reserve Base
Formerly Carswell AFB
TNRCC Solid Waste Registration No. 65004
EPA ID No. TX0571924042
Final RCRA Facility Investigation Report
SWMU 27 (Landfill 10)

Dear Mr. Risner,

One copy of the Final RCRA Facility Investigation Report, SWMU 27 (Landfill 10) is enclosed for your review and approval. Previous field observations and analytical results presented in this report show that there has not been a release of contaminants into the environment from this unit. Based on this information, no further action is warranted at SWMU 27 and this unit is recommended for closure under 30 TAC 334.554 Attainment of Risk Reduction Standard Number 1 (RRS1): Closure/Remediation to Background. One copy of this Final RFI Report has also been sent to Mr. Gary Miller, EPA Region 6 and Mr. Tim Sewell, TNRCC Region 4 for their review.

Should you have any questions regarding this letter, contact me via e-mail at mike.dodyk@fwh.afres.af.mil, or at (817) 782-7167 or Don Ficklen at (210) 536-5290, or via e-mail at holmes.ficklen@hqafcee.brooks.af.mil.

Sincerely,

Michael R Dodyk

Michael R Dodyk, P.E.
Restoration Team Chief
ERA Restoration Division

Printed on Recycled Paper

cc:

EPA Region VI
Mr. Gary W. Miller
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Mr. Wayne McKenzie
Environmental Director
Environmental Department, N92
Bldg. 1501
NAS JRB Fort Worth
Fort Worth, TX 76127-6200

Mr. Alvin Brown
AFBCA/ROL Bergstrom AFB
3711 Outlaw Country Drive
Austin, TX 78719-2557

Mr. Tim Sewell
TNRCC Region IV
1101 E. Arkansas Lane
Arlington, TX 76010-6499

Mr. Don Ficklen (Letter Only)
AFCEE/ERD
3207 North Road
Brooks AFB, Texas 78235-5363

FINAL

RCRA FACILITY INVESTIGATION REPORT
SWMU 27 (LANDFILL 10)
NAS FORT WORTH JRB, TEXAS

Prepared for

U.S. Air Force Center for Environmental Excellence
Brooks AFB, Texas

Contract Number F41624-95-D-8005

Prepared by

HydroGeoLogic, Inc.
1155 Herndon Parkway, Suite 900
Herndon, VA 20170

February 2000

REPORT DOCUMENTATION PAGE

Form Approved

QMB No. 0704-0188

Public reporting for this collection of information is estimated to average 1 hour per response, including the time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1024, Arlington, VA 22202-1302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY *(Leave blank)*

2. REPORT DATE

February 2000

3. REPORT TYPE AND DATES COVERED

Final

4. TITLE AND SUBTITLE

Final RCRA Facility Investigation Report
SWMU 27 (Landfill 10)
NAS Fort Worth JRB, Texas

4. FUNDING NUMBERS

F41624-95-D-8005
Delivery Order 0005

6. AUTHOR(S)

HydroGeoLogic, Inc

7. PERFORMANCE ORGANIZATION NAMES(S) AND ADDRESS(S)

HydroGeoLogic, Inc.
1155 Herndon Parkway, Suite 900
Herndon, VA 20170

8. PERFORMANCE ORGANIZATION REPORT NUMBER

A034

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(S)

AFCEE/ERD
Brooks AFB, Texas
78235-5328

10. SPONSORING/MONITORING AGENCY REPORT NUMBER

11. SUPPLEMENTARY NOTES

12a. DISTRIBUTION/AVAILABILITY STATEMENT

Unlimited

12b. DISTRIBUTION CODE

13. ABSTRACT (Maximum 200 words)

This document presents the Final RCRA Facility Investigation (RFI) Report for Solid Waste Management Unit (SWMU) 27 (also referred to as Landfill 10) at Naval Air Station (NAS) Fort Worth Joint Reserve Base (JRB), Texas. Field observations and analytical results included in this RFI report indicate that a release of hazardous constituents listed in 40 Code of Federal Regulations Part 264, Appendix IX has not occurred to the environment. Based on this information, no further action is warranted at SWMU 27 and this unit is recommended for closure.

14. SUBJECT TERMS

15. NUMBER OF PAGES

16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT

18. SECURITY CLASSIFICATION OF THIS PAGE.

19. SECURITY CLASSIFICATION OF ABSTRACT.

20. LIMITATION OF ABSTRACT

PREFACE

This Final Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Report for Solid Waste Management Unit (SWMU) 27 (also referred to as Landfill 10) at Naval Air Station (NAS) Fort Worth Joint Reserve Base (JRB), Texas, was prepared for the U.S. Air Force Center for Environmental Excellence (AFCEE). This report was prepared under Contract Number F41624-95-D-8005, Delivery Order 5 issued to HydroGeoLogic, Inc. (HydroGeoLogic). Activities to be included in this contract were specified in the Statement of Work dated January 21, 1997. Field observations and analytical results included in this RFI report indicate that a release of hazardous constituents listed in 40 Code of Federal Regulations (CFR) Part 264, Appendix IX has not occurred to the environment. The AFCEE Contracting Officer's Representative (COR) is Don Ficklen. HydroGeoLogic's Project Manager is Miquette Rochford.

This page was intentionally left blank.

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1-1
1.1 PROJECT BACKGROUND 1-1
1.1.1 Investigation History 1-1
1.1.2 Current Investigation 1-2
1.2 PROJECT OBJECTIVES 1-2
1.3 REPORT ORGANIZATION 1-2

2.0 SCOPE OF WORK 2-1
2.1 DATA QUALITY OBJECTIVES 2-1
2.2 INVESTIGATION STRATEGY 2-2
2.3 INSTALLATION ENVIRONMENTAL SETTING 2-3
2.3.1 Regional Geology 2-3
2.3.2 Regional Hydrogeology 2-3
2.3.2.1 Alluvial Terrace Deposits 2-4
2.3.2.2 Goodland-Walnut Aquitard 2-4
2.3.2.3 Paluxy Aquifer 2-4
2.3.3 Surface Water 2-4
2.3.4 Climate 2-5

3.0 SUMMARY OF INVESTIGATION ACTIVITIES 3-1
3.1 SITE RECONNAISSANCE AND UTILITY CLEARANCE 3-1
3.2 AERIAL PHOTOGRAPHIC SURVEY 3-1
3.3 GEOPHYSICAL SURVEY 3-1
3.4 SOIL SAMPLING TECHNIQUES 3-2
3.5 SURFACE WATER SAMPLING TECHNIQUES 3-3
3.6 GROUNDWATER SAMPLING TECHNIQUES 3-3
3.7 ELEVATION AND LOCATION SURVEY 3-3
3.8 CONCEPTUAL SITE MODEL 3-3

4.0 INVESTIGATION RESULTS 4-1
4.1 AERIAL PHOTOGRAPHIC SURVEY 4-1
4.2 GEOPHYSICAL INVESTIGATION 4-1
4.2.1 Geophysical Survey Results 4-1
4.2.2 Geophysical Conclusions 4-2
4.3 SURFACE AND SUBSURFACE INVESTIGATION 4-2
4.3.1 Thallium Comparison and Statistical Analysis 4-3
4.3.2 Selenium Comparison 4-3
4.3.3 Lithologic Findings 4-4
4.3.4 Surface Soil Detections 4-5
4.3.4.1 Inorganic Constituents 4-5
4.3.4.2 Sulfide 4-5

TABLE OF CONTENTS

Page

4.3.5 Subsurface Soil Detections 4-6
4.3.5.1 Inorganic Constituents 4-6
4.3.5.2 Volatile Organic Compounds 4-7
4.3.5.3 Semivolatile Organic Compounds 4-7
4.3.5.4 Sulfide 4-7
4.3.6 Surface Water 4-8
4.3.7 Groundwater 4-8

5.0 DISCUSSION OF RESULTS 5-1
5.1 GEOLOGY, HYDROGEOLOGY, AND HISTORICAL USE 5-1
5.2 ANALYTICAL RESULTS 5-1
5.2.1 Surface Soil 5-1
5.2.2 Subsurface Soil 5-1
5.2.3 Surface Water 5-2

6.0 CONCLUSIONS 6-1

7.0 REFERENCES 7-1

APPENDIX A SURVEYING DATA
APPENDIX B BORING LOGS
APPENDIX C ANALYTICAL DATA SUMMARY TABLES
APPENDIX D DATA QUALITY ASSESSMENT
APPENDIX E DATA VALIDATION REPORTS
APPENDIX F GEOPHYSICAL DATA

LIST OF FIGURES

Figure 1.1 SWMU 27 Location Map
Figure 2.1 Soil and Surface Water Sampling Locations
Figure 2.2 Areal Distribution of Geologic Units
Figure 2.3 Cross-Section Location
Figure 2.4 Generalized Cross-Section A-A'-A''
Figure 3.1 Geophysical Results Summary
Figure 4.1 Photographs—SWMU 27, Bedrock Outcrop
Figure 4.2 SWMU 27 Lithologic Cross-Sections
Figure 4.3 Soil Analytical Concentrations Above Background
Figure 4.4 Photographs—SWMU 27, Seasonal Pond

LIST OF TABLES

Table 2.1 Stratigraphic Units at NAS Fort Worth JRB, Texas
Table 4.1 Geophysical Survey Results
Table 4.2 Thallium Statistical Data
Table 4.3 Summary of Landfill Materials Encountered
Table 4.4 Surface Soil Detections
Table 4.5 Subsurface Soil Detections

LIST OF ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AFBCA	U.S. Air Force Base Conversion Agency
AFP 4	U.S. Air Force Plant No. 4
AOC	area of concern
BBS	Basewide Background Study
bgs	below ground surface
cm/sec	centimeters per second
CFR	Code of Federal Regulations
DPT	direct push technology
EM	electromagnetic
ft/day	feet per day
°F	degrees Fahrenheit
FS	Feasibility Study
GFAA	Graphite Furnace Atomic Absorption
HSA	hollow-stem auger
HydroGeoLogic	HydroGeoLogic, Inc.
ICP	Inductively Coupled Plasma
IRP	Installation Restoration Program
JRB	Joint Reserve Base
MDL	method detection limit
mg/kg	milligrams per kilogram
MQL	method quantitation limit
mS/m	millisiemens per meter
MSC	medium-specific concentration
NAS	Naval Air Station
Navy	U.S. Navy
nT	nanotelsas
OC	organochlorine
OP	organophosphorus

LIST OF ACRONYMS AND ABBREVIATIONS

OWS	oil/water separator
PCB	polychlorinated biphenyl
ppt	parts per thousand
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RI	Remedial Investigation
RRS	Risk Reduction Standard
SVOC	semivolatile organic compound
SWMU	solid waste management unit
TARA	Toxicology and Risk Assessment
TNRCC	Texas Natural Resource Conservation Commission
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

TAB

Section 1.0

FINAL
RCRA FACILITY INVESTIGATION REPORT
SWMU 27 (LANDFILL 10)
NAS FORT WORTH JRB, TEXAS

1.0 INTRODUCTION

The Texas Natural Resource Conservation Commission (TNRCC) requested that the U.S. Air Force Base Conversion Agency (AFBCA) investigate solid waste management unit (SWMU) 27 in a letter dated March 2, 1995. SWMU 27 is located at what is currently Naval Air Station (NAS) Fort Worth, Joint Reserve Base (JRB), Fort Worth, Texas. NAS Fort Worth JRB was formerly known as Carswell Air Force Base (AFB). The TNRCC requested a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) be conducted at SWMU 27 to determine whether any hazardous constituents listed in 40 Code of Federal Regulations (CFR) Part 264, Appendix IX have been released into the environment. This RFI Report demonstrates the former landfill poses no significant risk to human health or the environment and provides justification for no further action.

1.1 PROJECT BACKGROUND

SWMU 27, also referred to as Landfill 10, is situated on the highest point of NAS Fort Worth between the elevations of 664 and 684 feet above mean sea level and is located on a hill approximately 30 feet higher than the main runway. The site encompasses approximately 4.5 acres of land located in the southwestern portion of NAS Fort Worth JRB, east of the perimeter road and west of Overrun 51 (Figure 1.1). This landfill consists of an open trench approximately 15 feet deep by 20 feet wide and 400 feet long surrounded by a 2 acre graded area measuring approximately 115 wide by 900 feet long. The trench typically contains approximately 4 to 5 feet of standing water during the winter months, and dries out during the summer months. The open trench previously extended approximately 400 feet north of the standing water. The site is partially covered with grass in the graded area. Tree saplings and bushes are located within the trench near the seasonal pond.

Lithologic descriptions indicate soils at this landfill consist primarily of a black silty clay overlying white fossiliferous limestone bedrock of the Goodland Limestone. It appears that these soils were formed as an in-situ weathering product of the limestone and shale bedrock. Terrace alluvium deposits were not encountered anywhere in the vicinity of SWMU 27 during the RFI field effort.

1.1.1 Investigation History

Previous environmental investigations have not been conducted at SWMU 27.

1.1.2 Current Investigation

The RFI field effort at SWMU 27 was performed by HydroGeoLogic, Inc. (HydroGeoLogic) from February through April 1998. Results from the RFI indicate that a release of hazardous constituents to the environment from this unit has not occurred.

The RFI sampling effort was conducted in accordance with the project Work Plans (HydroGeoLogic, 1998a). The Field Sampling Plan and Basewide Quality Assurance Project Plan (QAPP) included in the Work Plans were followed during all sampling activities. Specific quality assurance and quality control procedures used to managed analytical data generated for this investigation are provided in the Basewide QAPP (HydroGeoLogic, 1998b).

1.2 PROJECT OBJECTIVES

The field activities summarized in this document were conducted to characterize the nature of the landfill, define the landfill boundaries, and to determine if a release to the environment of any constituents listed in 40 CFR Part 264 Appendix IX has occurred according to the requirements outlined in the TNRCC Risk Reduction Standards (RRS) Program.

1.3 REPORT ORGANIZATION

This document is divided into the following four sections:

Section 1.0 summarizes the objectives of the investigation, describes the site, disposal practices, previous investigations that were conducted, and report organization.

Section 2.0 discusses tasks conducted for this investigation.

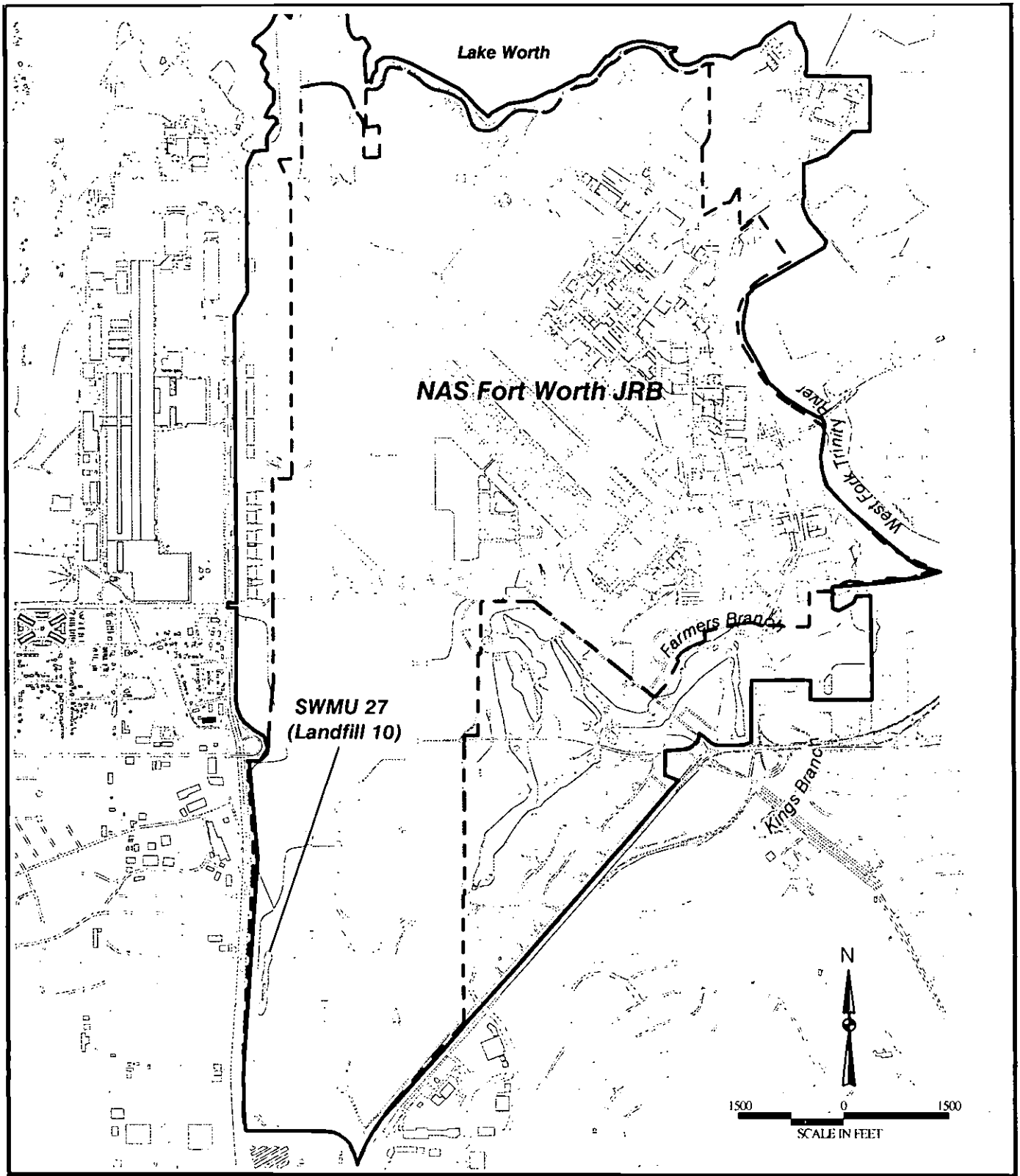
Section 3.0 summarizes activities that were conducted during this investigation. These activities included an aerial photographic survey, a geophysical survey, soil sampling, and surface water sampling.

Section 4.0 presents the results and the potential impacts of potential releases to the environment.

Section 5.0 presents the conclusions of the investigation and recommendations for closure based on those results.

Section 6.0 presents the references associated with this report.

FIGURES



Filename: X:\AFC001\05CEA\REPORT\f10_closure_report\location_map.apr
Project: AFC001-05CEB
Created: 03/11/99 jbelcher
Revised: 02/25/00 jb
Source: HydroGeoLogic, Inc—GIS Database

HYDRO GeoLogic

Legend

- NAS Fort Worth JRB Boundary
- Former Carswell AFB Boundary
- SWMU 27

Figure 1.1

SWMU 27 Location Map

TAB

Section 2.0

2.0 SCOPE OF WORK

The purpose of this RFI is to determine if a release to the environment of potential contamination has occurred at SWMU 27, and if so, define the nature and extent of the contamination. SWMU 27 is reported to have received construction debris and street sweepings during the late 1980s and early 1990s; however, unauthorized dumping of potentially contaminated waste may have occurred (A.T. Kearney, 1989). Street sweepings from the runway and flightline area are still disposed of at the landfill.

In order to determine if SWMU 27 presents a threat to human health or the environment, essential information regarding the landfill was obtained. This information includes:

- The lithology of soils and bedrock at and beneath the landfill
- The nature of the debris deposited at the landfill
- The lateral and vertical extent of the landfill
- An assessment of potential contaminant impacts on the quality of soil, surface water, and groundwater within and around the landfill
- A description of potential contaminant migration pathways from the landfill

2.1 DATA QUALITY OBJECTIVES

The data generated by this project are of sufficient quality and quantity to meet the overall project objective, which is closure of SWMU 27 under TNRCC RRS. Data from the following categories were required for this study:

Site Characterization - Data were used to evaluate physical and chemical properties of soil and surface water. The data were also used to characterize the nature and extent of any contaminants detected.

Health and Safety - Data were used to establish the level of protection needed for the sampling team and other site-related personnel. These data were gathered by the use of organic vapor monitors during intrusive activities.

A combination of screening level data and definitive level data was used during this RFI. Health and safety data were collected as screening data. All soil and water samples were analyzed following USEPA SW846 protocols. The definitions of screening data and definitive data, as established by the Data Quality Objectives Process for Superfund Interim Final Guidance (USEPA/540/G-93/071, 1993) are described below:

- Screening Data with Definitive Confirmation - Screening data can be generated by rapid, less precise methods of analysis with less rigorous sample preparation. Sample preparation steps may be restricted to simple procedures such as dilution with a solvent, instead of

elaborate extraction/digestion and cleanup. Screening data provides analyte identification and quantification. Although the quantification may be determined using analytical methods with Quality Assurance/Quality Control (QA/QC) procedures and criteria associated with definitive data, screening data without associated confirmation data are not considered to be data of known quality.

- Definitive Data - Definitive data were generated using rigorous analytical methods, such as approved USEPA reference methods. Data are analyte-specific, with confirmation of analyte identity and concentration. These methods produce tangible raw data (e.g., chromatograms, spectra, digital values) in the form of paper printouts or computer-generated electronic files. Data may be generated at the site or at an off-site location, as long as the QA/QC requirements are satisfied. For the data to be definitive, either analytical or total measurement error must be determined.

The methods of analysis selected for samples collected from NAS Fort Worth JRB produced screening as well as definitive data. The data generated by the laboratory analysis of samples were sufficiently sensitive to allow comparison of the results to the TNRCC RRS. The Basewide QAPP (HydroGeoLogic, 1998) describes each method that was performed as part of the investigation and outlines the quality assurance measures the contract laboratory must follow.

2.2 INVESTIGATION STRATEGY

The following tasks were conducted as part of this investigation: (1) aerial photographic review; (2) geophysical survey; (3) advancement of soil borings using a continuous-core, direct push technology (DPT) sampling device to determine the lithology and nature of soils used as fill and native soil; (4) installation of temporary piezometers at selected soil boring/soil probe locations to ascertain groundwater flow direction prior to installing monitoring wells; and (5) collection of surface water samples at two locations to determine if contamination was present in the standing surface water. In addition, four monitoring wells, one up gradient and three down gradient of SWMU 27, were to be installed; however, no groundwater other than a perched zone associated with the ponded surface water was identified.

Prior to initiating field sampling activities, aerial photographs were reviewed to identify areas of past activity at SWMU 27. Two geophysical methods were also used, electromagnetic (EM) induction and magnetometry, to determine the physical extent of each landfill, identify possible sources of contamination, and to locate potential hot spots for intrusive investigation. After reviewing both the aerial photographs and geophysical data, soil borings were located to achieve the following objectives:

- Soil borings were advanced using DPT equipment to collect soil samples for analysis of Appendix IX compounds. These boring locations were placed near overlapping geophysical anomalies within the landfill and advanced to refusal. Soil samples were collected every 5 feet from the ground surface to the top of the water table or bedrock, whichever was encountered first. At sampling intervals where all material recovered in the sampling device was exclusively waste, samples were not submitted to the laboratory for chemical analysis.

- DPT soil borings were used for the purpose of characterizing the nature of the landfill including areal extent, depth of the landfill, lithology, and water table depth. Continuous soil cores were collected from ground surface and/or native soils beneath the landfill. Temporary piezometers were placed in two borings where subsurface water was encountered to determine the relationship of flow between the standing surface water and the perched water encountered in the former trench area.

Data presented in this report include a summary of analytical results for soil and surface water. Figure 2.1 illustrates sampling locations at SWMU 27.

2.3 INSTALLATION ENVIRONMENTAL SETTING

The regional geology, hydrogeology, precipitation, surface water, climate, and demographics of the NAS Fort Worth JRB area are described in the following sections. This information has been primarily derived from the "Summary of Remediation Projects at U.S. Air Force Plant No. 4 (AFP 4) Carswell AFB" (ESE, 1994), the "IRP [Installation Restoration Program] Remedial Investigation/Feasibility Study (RI/FS), Stage 2 Draft Final Technical Report, Carswell AFB, Volumes 1 and 2" (Radian, 1989), and the "Installation Restoration Program RI, Stage 2 Final Report, Carswell AFB" (Radian, 1991).

2.3.1 Regional Geology

The geologic units of interest for the region, from youngest to oldest, are as follows: (1) the Quaternary Terrace Alluvium (including fill material and terrace deposits), (2) the Cretaceous Goodland Limestone, (3) the Cretaceous Walnut Formation, (4) the Cretaceous Paluxy Formation, (5) the Cretaceous Glen Rose Formation, and (6) the Cretaceous Twin Mountains Formation. The aerial limits of surface exposure of these geologic units at NAS Fort Worth JRB are shown in Figure 2.2. Figure 2.3 indicates the cross section location, and Figure 2.4 presents a generalized cross section of the geology beneath NAS Fort Worth JRB (Radian, 1989). The regional dip of the stratigraphic units beneath NAS Fort Worth JRB is between 35 and 40 feet per mile to the east-southeast. NAS Fort Worth JRB is located on the relatively stable Texas Craton, west of the faults associated with the Ouachita Structural Belt. No major faults or fracture zones have been mapped near the base.

2.3.2 Regional Hydrogeology

The water-bearing geologic formations located in the NAS Fort Worth JRB area may be divided into the following five hydrogeologic units, listed from the shallowest to the deepest: (1) an upper zone occurring in the alluvial terrace deposits associated with the Trinity River, (2) an aquitard of predominantly dry limestone of the Goodland Limestone and Walnut Formation, (3) an aquifer in the Paluxy Formation, (4) an aquitard of relatively impermeable limestone in the Glen Rose Formation, and (5) a major aquifer in the sandstone of the Twin Mountains Formation. Table 2.1 presents additional information on the stratigraphic units found beneath NAS Fort Worth JRB. As discussed below, the alluvial terrace deposits, Goodland-Walnut Aquitard, and the Paluxy aquifer are the most relevant hydrogeologic units at NAS Fort Worth JRB.

2.3.2.1 Alluvial Terrace Deposits

The uppermost groundwater in the area occurs within the pore space of the grains of coarse sand and gravels deposited by the Trinity River. Groundwater from the terrace deposits is not often used as a source of potable water due to its limited distribution, poor yield, and susceptibility to surface/storm water pollution (USGS, 1996). No potable water supply wells are completed in the Terrace Alluvium within 0.5 miles of NAS Fort Worth JRB. The primary water flow in the terrace deposits is generally eastward toward the West Fork of the Trinity River, although localized variations exist across the entire base. The hydraulic gradient across the base is variable, reflecting variations in the flow direction and localized recharge. Groundwater discharge occurs into surface water on site, specifically Farmers Branch Creek.

2.3.2.2 Goodland-Walnut Aquitard

The groundwater within the terrace deposits is isolated from groundwater within the lower aquifers by the low permeability of the Goodland Limestone and Walnut Formation. The primary inhibitors to vertical groundwater movement within these units are the fine-grained clay and shale layers that are interbedded with layers of limestone. Some groundwater movement does occur between the individual bedding planes of both of these units, but the vertical hydraulic conductivity has been calculated to range between 1.2×10^{-09} centimeters per second (cm/sec) to 7.3×10^{-11} cm/sec for the NAS Fort Worth JRB and AFP 4 area. This corresponds to a vertical flow rate that ranges between 1.16×10^{-03} feet per day (ft/d) to 5.22×10^{-03} ft/d (ESE, 1994).

2.3.2.3 Paluxy Aquifer

The Paluxy aquifer is an important source of potable groundwater for the Fort Worth area. Many of the surrounding communities, particularly White Settlement, obtain their municipal water supplies from the Paluxy aquifer. Groundwater from the Paluxy aquifer is also used in some of the surrounding farms and ranches for agricultural purposes. Drinking water at the base is supplied by the city of Fort Worth, which uses Lake Worth as its water source. The groundwater of the Paluxy aquifer is contained within the openings created by gaps between bedding planes, cracks, and fissures in the sandstones of the Paluxy Formation. The Paluxy aquifer is divided into upper and lower aquifers. The upper sand aquifer is finer grained and contains a higher percentage of shale than the lower sand aquifer.

2.3.3 Surface Water

NAS Fort Worth JRB is located within the Trinity River Basin, adjacent to Lake Worth. The lake is a man-made reservoir created by damming the Trinity River at a point just northeast of the base. Lake Worth receives a limited amount of storm-water runoff from NAS Fort Worth JRB during and immediately after rainfall events. River flow is towards the southeast into the Gulf of Mexico.

Surface drainage is mainly east towards the West Fork Trinity River. The base is partly drained by Farmers Branch Creek, a tributary of the West Fork Trinity River. Farmers Branch Creek begins within the community of White Settlement and flows eastward. Just south of AFP 4, Farmers Branch flows under the runway within two large culverts identified as an aqueduct. Most

of the base drainage is intercepted by a series of storm drains and culverts, directed to oil/water separators (OWSs), and discharged to the West Fork Trinity River downstream of Lake Worth. A small portion of the north end of the base drains directly into Lake Worth.

2.3.4 Climate

The climate in the Fort Worth area is classified as sub-humid with long, hot summers and short, dry winters. Tropical maritime air masses control the weather during much of the year, but the passage of polar cold fronts and continental air masses can create large variations in winter temperatures. The average annual temperature in the area is 68.6 degrees Fahrenheit (°F), and monthly mean temperatures vary from 48.6 °F in January to 86.1 °F in July. The average daily minimum temperature in January is 37.7 °F, and the lowest recorded temperature is 17 °F. The average daily maximum temperature in July is 96.4 °F, and the highest temperature ever recorded at the base was 106 °F in the month of August (National Weather Service, 2000).

Mean annual precipitation recorded at the base is approximately 32 inches. The wettest months are April and May, with a secondary maximum in September. The period from November to March is generally dry, with a secondary minimum in August. Snowfall accounts for a small percentage of the total precipitation between November and March. Thunderstorm activity occurs at the base an average of 45 days per year, with the majority of the activity between April and June. Hail may fall 2 to 3 days per year. The maximum precipitation ever recorded in a 24-hour period is 5.9 inches. On the average, measurable snowfall occurs 2 days per year (TNRCC, 1996a).

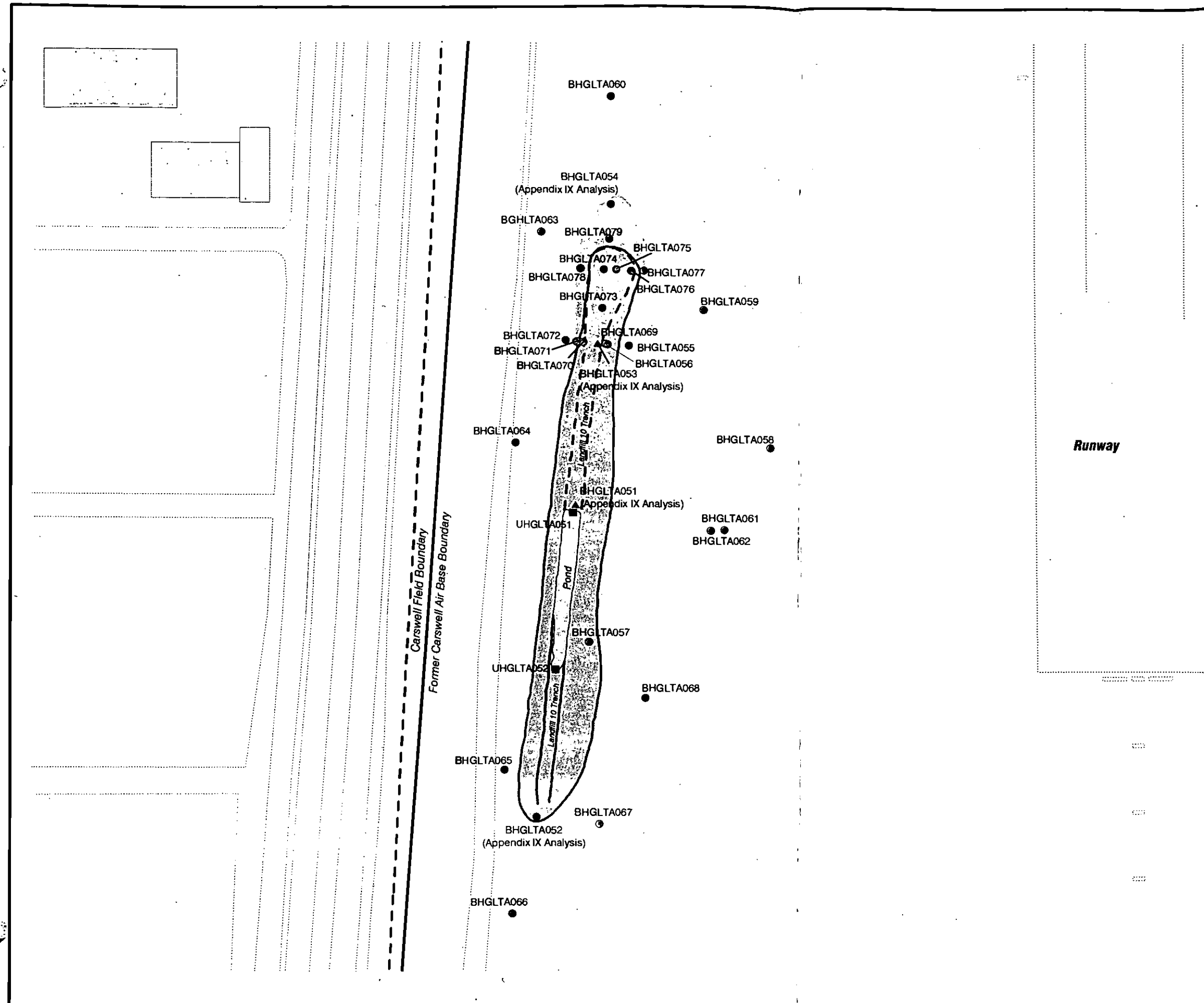
TABLES

Table 2.1
Stratigraphic Units at NAS Fort Worth JRB, Texas[1]

Era	System	Series/Group	Stratigraphic Unit	Thick-ness (feet)[2]	Lithologic Characteristics[3]	Water-Yielding Characteristics
Cenozoic	Quaternary (1.8 mya to present)	Holocene	Fill material	0	Construction debris	Permeability varies; gravels and sands permeable
			Recent alluvial deposits	0-50	Gravel, sand, silt, clay	Permeability varies; gravels and sands permeable
		Pleistocene	Terrace alluvial deposits	0-60	Gravel, sand, silt, clay	Permeability varies; gravels and sands permeable
Mesozoic	Cretaceous (65 to 140 mya)	Comanchean/ Fredericksburg	Goodland limestone	0-40	White fossiliferous limestone, coarsely nodular, resistant, and dense; contains some marl	Impermeable where not weathered; considered confining unit
			Walnut Formation	0.5-30	Medium to dark grey clay and limestone with shell conglomerates, fossiliferous, Gryphaea beds	Very low permeability; considered confining unit
		Comanchean/ Trinity	Paluxy Formation	130-175	Light grey to greenish-grey sandstone and mudstone; fine-grained to coarse-grained sandstone	Considered an aquifer; yields small to moderate quantities of water
			Glen Rose Formation	150, range unknown at AFP 4	Brownish-yellow and gray alternating limestone, marl, shale, and sand	Low permeability; considered confining unit in area of AFP 4
			Twin Mountains Formation[4]	200, range unknown at AFP 4	Fine- to coarse-grained sandstone shale and claystone, basal gravel conglomerate	Coarse sandstones and parts of formation considered aquifer; yields moderate to large quantities of water

Notes:
[1] Table adapted from USGS, 1996.
[2] Thickness determined from site logs, except for Glen Rose Limestone and Twin Mountains Formation (Baker et al., 1990, Figure 4, as cited in USGS 1996).
[3] Lithologic characteristics determined from field observations and from Winton and Adkins, 1919; University of Texas, Bureau of Economic Geology, 1972; U.S. Army Corps of Engineers, 1986; Baker et al., 1990; Environmental Science and Engineering, Inc., 1994, all as cited in USGS 1996.
[4] This stratigraphic name does not conform to the usage of the USGS.
mya = million years ago

FIGURES



HydroGeoLogic, Inc.—Final RFI Report, SWMU 27
NAS Fort Worth JRB, Texas

Figure 2.1

Soil and Surface Water Sampling Locations

U.S. Air Force Center For Environmental Excellence
Brooks AFB, Texas

Legend

- NAS Fort Worth JRB Boundary
- Former Carswell AFB Boundary
- Landfill Boundary
- Current Trench Boundary
- Approximate Boundary of Buried Trench
- BHGLTA211 — Borehole Location
- UHGLTA202 — Borehole/Piezometer Location
- BHGLTA211 — Surface Water Sample Location

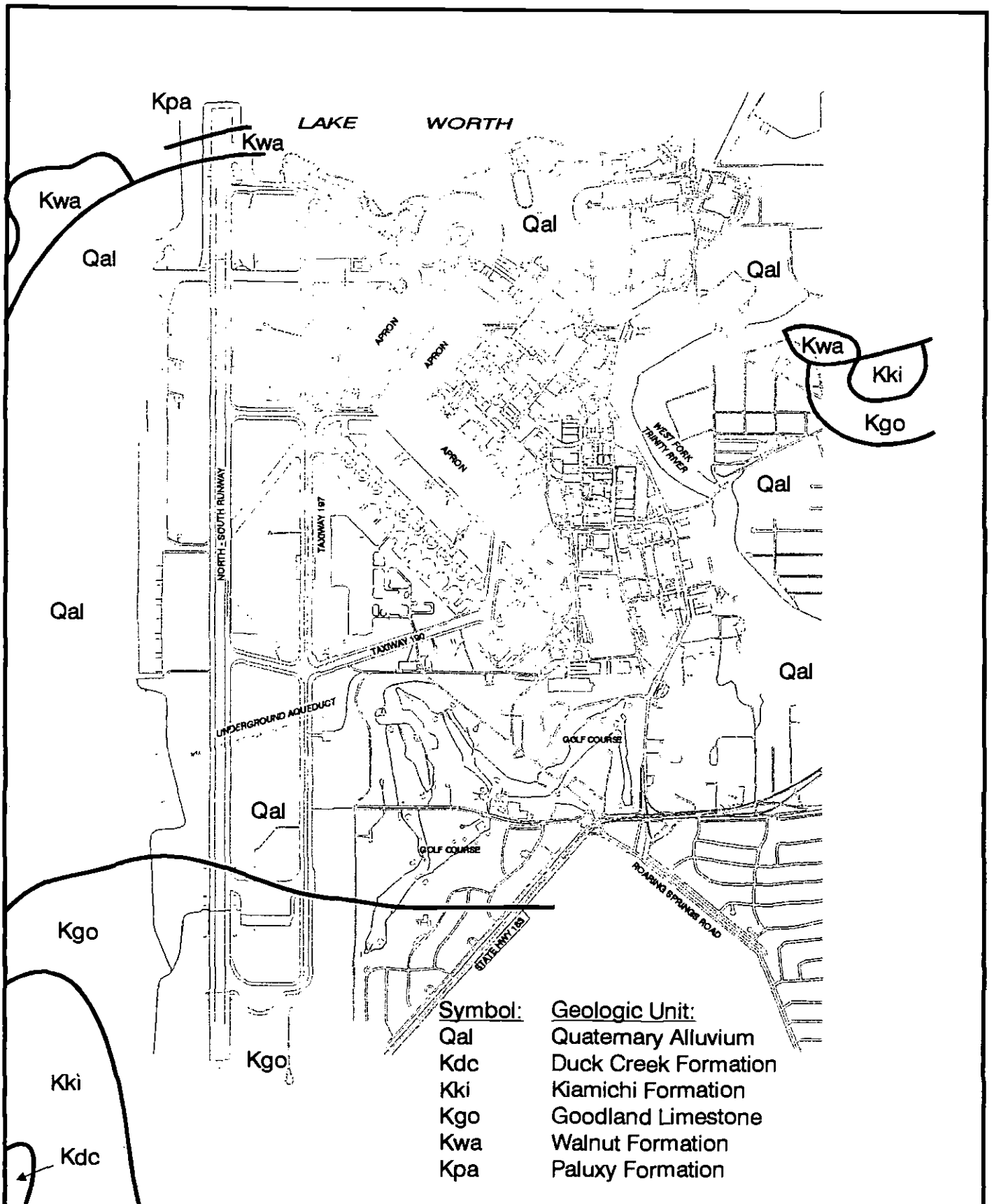
Note: Symbols in blue represent Appendix IX sampling locations

N

75 0 75 150
SCALE IN FEET

Project: AFC001-05CEB
Filename: 05CEA\REPORT\J10_closure_report\ soil_sw_locs.apr
Created: 03/03/99 jbelcher
Revised: 02/18/00 ap
Map Source: HydroGeoLogic, Inc.—GIS Database

HYDRO GeoLogic INC.



Filename: X:\AFC001\05CEA\Report\lf10_closure_report\Aerial_Distr.cdr
Created by: M. Lawlor 06/12/97
Revised: 02/18/00 ap
Source: Radian, 1989

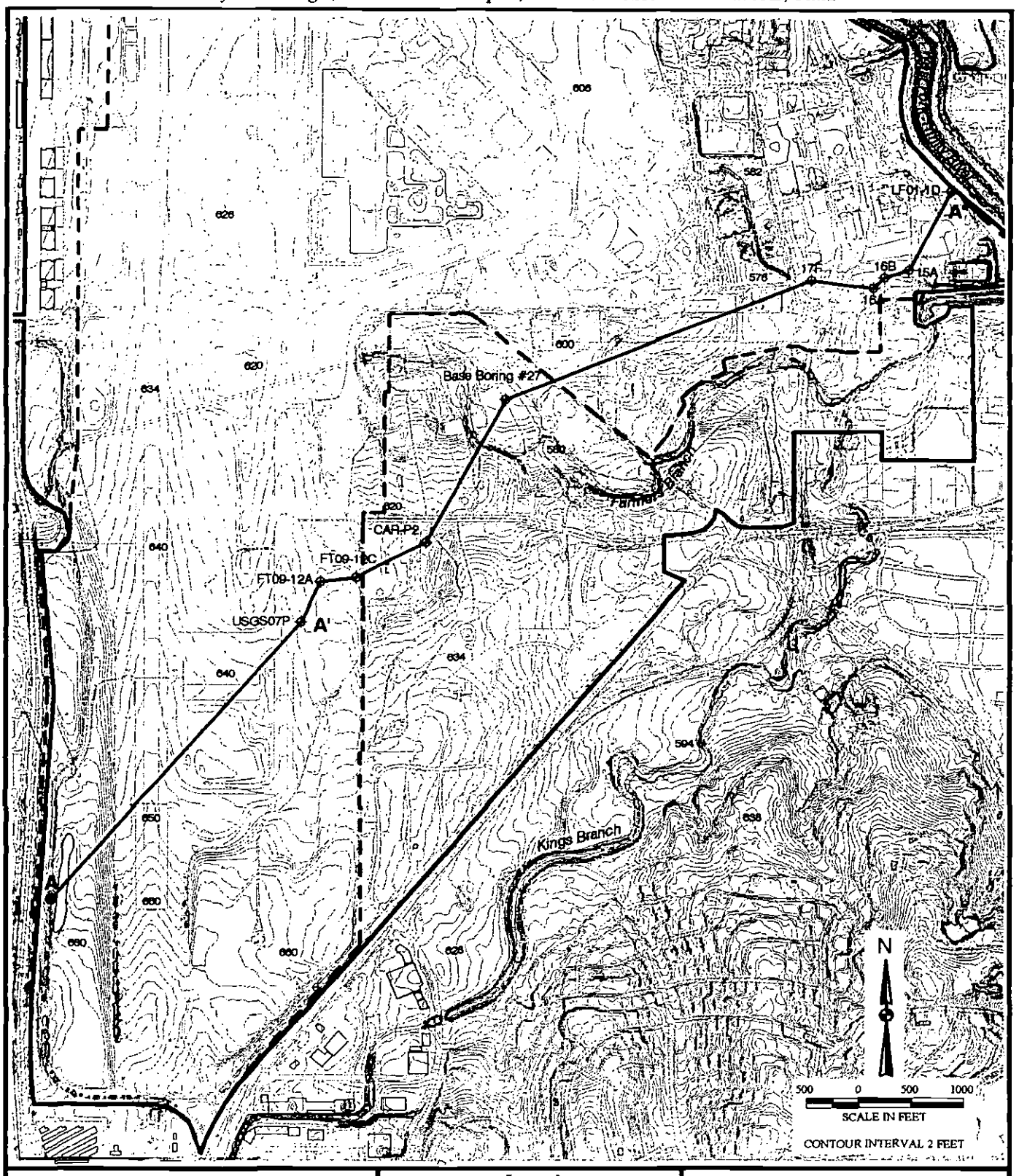
HYDRO GeoLogic

Legend

0 1000 2000
SCALE IN FEET

N

Figure 2.2
Areal Distribution of Geologic Units



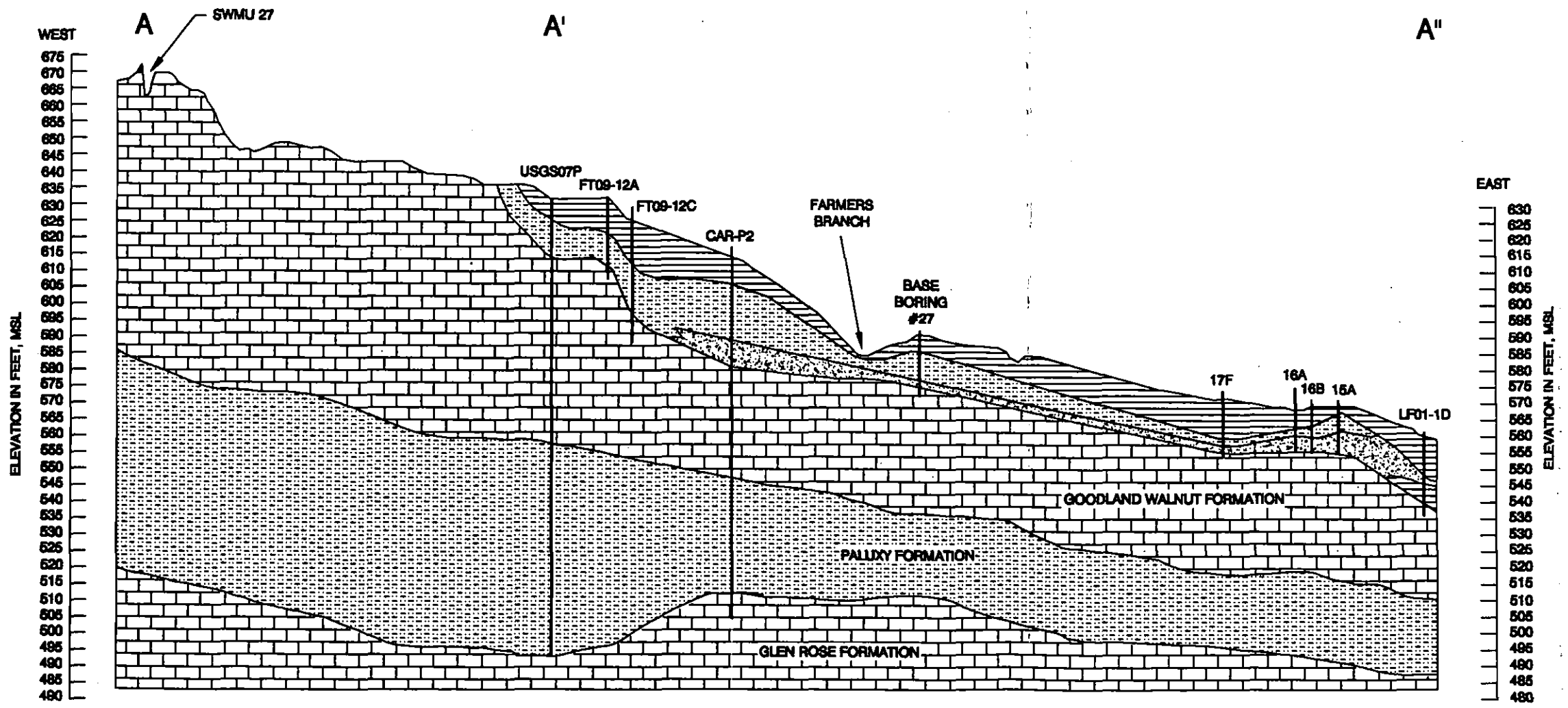
Filename: X:\AFC001\05CEA\REPORT\lf10_closure_report\x-section_a_a.apr
Project: AFC001-05CEB
Created: 03/11/99 jbelcher
Revised: 02/25/00 jb
Source: HydroGeoLogic, Inc—GIS Database

HYDRO GeoLogic

Legend

- NAS Fort Worth JRB Boundary
- Former Carswell AFB Boundary
- SWMU 27 Location
- 660 Topographic Contour

Figure 2.3
Cross-Section Location
A-A'-A''



NOTES:

1. STRATIGRAPHIC CONDITIONS ARE KNOWN ONLY AT THE MONITORING WELLS AND BORINGS; CONTACTS ARE INTERPOLATED BETWEEN CONTROL POINTS.

2. WITH THE EXCEPTION OF THE AREA BETWEEN USGS07P AND CAR-P2, THE CONTACT BETWEEN THE GOODLAND WALNUT AND PALUXY FORMATIONS DISPLAYS THE REGIONAL DIP OF 35-40 FEET PER MILE.

HydroGeoLogic, Inc.—Final RFI Report, SWMU 27
NAS Fort Worth JRB

Figure 2.4

Generalized Geologic Cross-Section A-A'-A"

U.S. Air Force Center for Environmental Excellence
Brooks AFB, Texas

Legend

- Clay and Fill Material
- Sand
- Gravel
- Limestone and Shale

Vertical Exaggeration = 28 x 1

N

0 800 1600
SCALE IN FEET

HYDRO GeoLogic INC.

Filename: X:\AFC001\05cea\tf10_closure_report\x-section_aa.dwg
Project: AFC001-05CEB
Created: 05/26/99 jbelcher
Revised: 02/18/00 ap
Map Source: USACE, 1993

TAB

Section 2.0

3.0 SUMMARY OF INVESTIGATION ACTIVITIES

This section describes activities conducted as part of this investigation. Activities conducted for the site characterization included an aerial photographic survey and geophysical surveys. Chemical characterization activities included surface and subsurface soil and surface water sampling intended to identify the nature and extent of contamination that may have resulted from past activities at SWMU 27.

3.1 SITE RECONNAISSANCE AND UTILITY CLEARANCE

Prior to mobilizing to the field, HydroGeoLogic conducted a site reconnaissance to select sample locations and to assess requirements for site preparation and clearance of underground utilities.

The U.S. Navy (Navy) Public Works Office was notified regarding the intended field investigation and sampling. Local utility companies were contacted by the Navy Public Works Office to mark and clear all subsurface utilities within the SWMU 27 area. When the utility clearance was complete, the Navy Public Works issued a dig permit that was valid for 30 days. HydroGeoLogic's field effort was conducted during this 30 day window. No utilities are present in the vicinity of SWMU 27.

3.2 AERIAL PHOTOGRAPHIC SURVEY

Aerial photographs covering 6 decades were reviewed to identify the period of operation and areas of activity associated with SWMU 27. The aerial photographic review identified active burial areas and assisted in the location of 29 borings. These borings were advanced to evaluate the boundaries of the SWMU and potential wastes buried beneath the SWMU. See Section 4.1 for a discussion of the aerial photograph survey results.

3.3 GEOPHYSICAL SURVEY

Two geophysical surveys were conducted at SWMU 27; an EM survey and a magnetic survey were performed. The EM survey was used to identify and map areas with apparent conductivity contrasts. The magnetic survey was used to locate buried ferrous objects such as tanks, pipelines, and metallic debris. The purpose of the geophysical surveys was to determine the lateral extent of the landfill and to provide information for the selection of optimal intrusive sampling locations.

A systematic grid was established at SWMU 27 using a tape measure for distance and a transit for trueness. Survey lines were spaced every 20 feet and stations along the lines were marked at spacings of 50 feet. The extent of the grid is depicted in Figure 3.1.

The EM survey was conducted using a Geonics EM31 with a DL720 digital data recorder. The apparent conductivity of the ground is linearly related to the quadrature component and is measured in millisiemens per meter (mS/m). The inphase component, measured in parts per thousand (ppt), is sensitive to large metallic objects. The EM survey procedure consisted of carrying the instrument along survey lines. The quadrature and inphase readings were digitally recorded every 5 feet except where prevented by surface obstructions.

The magnetic survey was performed with a Gem Systems GSM-19 magnetometer/gradiometer, which is capable of measuring the total magnetic field intensity and the vertical magnetic gradient. The vertical magnetic gradient measures the difference in the total field intensity of the earth's magnetic field between two sensors positioned at different fixed heights above the ground. The total magnetic field intensity, measured in nanotelsas (nT), and the vertical magnetic field gradient, measured in nT per meter, were digitally recorded approximately every 5 feet along survey lines except where prevented by surface obstructions. A GSM-19 magnetic base station was also established at SWMU 27 to correct for diurnal variations in the earth's magnetic field.

The geophysical data were downloaded and evaluated in the field for data quality and to make preliminary interpretations. Corrections for diurnal variations in the earth's magnetic field were applied to the magnetic data before evaluation. The EM and magnetic results were placed on a grid and contoured with Surfer© for Windows and displayed as contour maps and 3-dimensional mesh diagrams. The anomalies identified by the geophysical survey are depicted on Figure 3.1.

3.4 SOIL SAMPLING TECHNIQUES

A vibra-core DPT system was used to advance dual cased sampling barrels into the subsurface at 5-foot intervals. This triple-cased sampling system consisted of a 3-foot long by 2.75-inch outer diameter drive casing, a 2-inch inner diameter core barrel, and six, 6-inch inner stainless steel sample sleeves that were simultaneously pushed, driven, or vibrated into the ground. After being advanced 3 feet, the inner barrel was retrieved, while the drive casing was left in place to prevent the borehole from collapsing. This drive casing ensured that subsequent soil samples were collected from the targeted interval, eliminating slough from higher up in the borehole.

Surface and subsurface analytical samples were collected from four soil borings at SWMU 27: BHGLTA051, BHGLTA052, BHGLTA053, and BHGLTA054 (Figure 2.1). Samples were analyzed for the full suite of Appendix IX compounds using USEPA analytical methods. A stainless steel sleeve with 100 percent recovery was selected for volatile organic compound (VOC) analysis from each sampling interval. The sleeve was immediately sealed with a Teflon™-lined plastic cap to avoid cross-contamination and loss of VOCs. Soil not used for the VOC analysis was collected for analysis of the remaining Appendix IX compounds including SW6010A for metals and SW7471A for mercury; SW8080A for organochlorine (OC) pesticides and polychlorinated biphenyls (PCBs); SW8140 for organophosphorus (OP) pesticides; SW8151 for chlorinated herbicides; SW8260A for VOCs, including *cis*-1,2-dichloroethylene; SW8270B for semivolatile organic compounds (SVOCs) SW8280 for dioxins and furans; SW9010A for cyanide; and SW9030 for sulfide. All non-VOC samples were containerized in glass jars with Teflon™-lined caps. All samples were immediately preserved in a cooler and shipped to the laboratory for analysis.

3.5 SURFACE WATER SAMPLING TECHNIQUES

Surface water samples were collected to provide additional data to determine if a release had occurred. Two surface water samples were collected and analyzed for the full suite of Appendix IX compounds using USEPA analytical methods. The collection locations for the surface water samples are depicted in Figure 2.1.

Samples were collected for VOCs by submersing a 40 milliliter vial until approximately 75 percent of the vial was filled. This procedure was preferred so that the vial would not be over filled and cause a loss of the pre-measured hydrochloric acid preservative. The remainder of the vial was then filled by filling the cap with surface water and gently pouring the water into the vial until an inverted meniscus was formed. The vial was then sealed using a Teflon™-lined cap. The remaining sample containers were fully submerged, filled, preservative added, if applicable, sealed, appropriately labeled, and placed in an ice-packed cooler and shipped to the laboratory for analysis.

3.6 GROUNDWATER SAMPLING TECHNIQUES

No groundwater was encountered during soil boring advancement outside of the former trench. Subsurface water was only encountered in two soil boring locations, BHGLTA051 and BHGLTA052, both located within the former trench area, at the north and south ends of the pond, respectively (Figure 2.1). A perched zone was identified within the former trench boundary, but since this zone is not a continuous water-bearing unit, no groundwater samples were collected.

3.7 ELEVATION AND LOCATION SURVEY

Each soil boring and surface water sampling location was surveyed by Baird, Hampton & Brown, Inc. of Fort Worth, Texas. Vertical and horizontal measurements were collected in accordance with the Final Work Plans (HydroGeoLogic, 1998a). A benchmark, located at the AFP 4 facility was used as the base monument. Surveying data are provided in Appendix A.

3.8 CONCEPTUAL SITE MODEL

SWMU 27 is located on a hill approximately 30 feet above the end of the southern portion of the main runway (Figure 2.3). It originated as a narrow excavation between 1988 and 1992 and was apparently used to obtain limestone aggregate. The excavation was later partially filled with soil, concrete rubble, limestone boulders, asphalt, and tree limbs. SWMU 27 is currently used for disposal of street sweepings from the NAS Fort Worth JRB flightline area.

The general pattern of geophysical anomalies depicted in Figure 3.1 helped to define the landfill boundaries as well as areas of disturbed soils. These anomalies provided a basis for the location of some of the soil borings. Steel rebar associated with concrete was found throughout the landfill. Some pieces of aluminum were also found on the ground surface in the vicinity of the landfill. These scattered pieces of metal account for most of the geophysical anomalies.

As depicted in Figure 2.1, lithology from 27 DPT and hollow-stem auger (HSA) soil borings have defined the boundaries of the landfill. The core of the landfill is a buried trench, approximately 15 feet deep and extending from BHGLTA051 to BHGLTA079. A series of transects (one north-south, and two east-west) have established the edge of the former trench. Soil borings confirmed that the trench had been filled with limestone boulders, concrete, poorly-sorted soil, asphalt, wood, reeds, and leaves. The depth of clay soil outside of the trench is approximately 3 feet below ground surface (bgs) before limestone bedrock is encountered. Surficial debris similar to that found within the trench was also found outside the trench but within the landfill boundaries outlined in Figure 2.1.

Lithologic findings from soil borings installed during this RFI confirm that SWMU 27 was established on and within the Goodland-Walnut aquitard. The aerial distribution of geologic units at NAS Fort Worth JRB is depicted in Figure 2.2. Note that the Terrace Alluvium is not present in the SUMU 27 area of the base and the Goodland-Walnut aquitard is exposed at ground surface at SWMU 27. A generalized geologic cross-section key and cross-section are presented in Figures 2.3 and 2.4. This cross-section depicts the relationship between surface topography, geologic formations, and aquifers at NAS Fort Worth JRB.

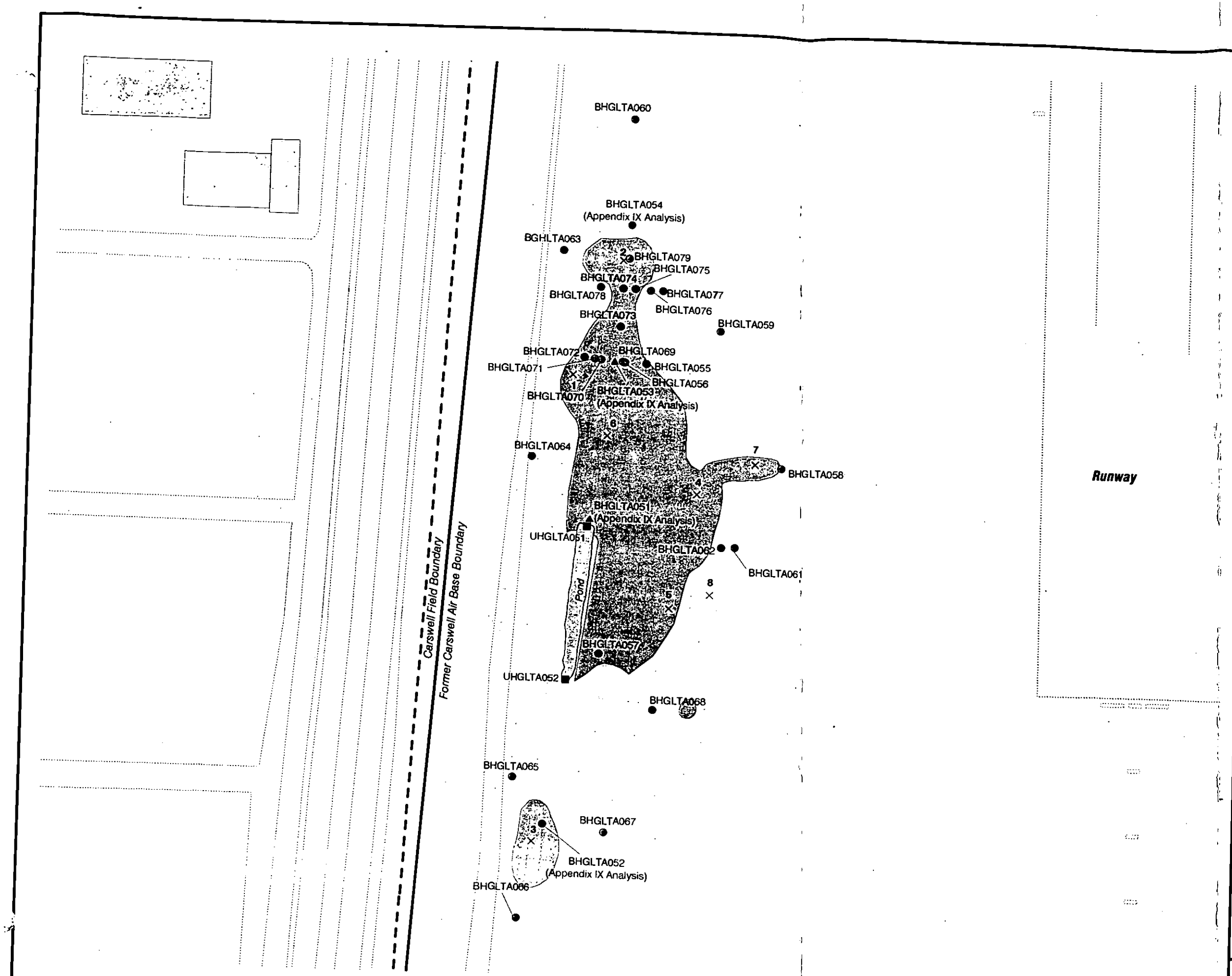
The Goodland Limestone and Walnut Formation act as an aquitard to vertical migration of groundwater and potential landfill leachate. These units essentially seal the Paluxy aquifer from precipitation and surface water. The primary inhibitors to vertical groundwater movement within the Goodland-Walnut aquitard are the fine-grained clay and shale layers that are interbedded with layers of limestone. The vertical flow rate of the formation ranges between 1.16×10^{-03} to 5.22×10^{-03} ft/d (ESE, 1994). As illustrated cross-section A-A' in Figure 2.4, the thickness of the Goodland-Walnut aquitard is approximately 58 feet at monitoring well USGS07P. This well is located about 3,000 feet to the northeast of SWMU 27. The thickness of the Goodland-Walnut aquitard at SWMU 27 may be greater than 58 feet, as the formation is exposed 35 feet below SWMU 27 in a culvert located east of the landfill and west of the main runway. The Goodland-Walnut aquitard in this portion of NAS Fort Worth JRB may not have been subjected to the same erosional forces as other parts of the base where the Trinity River formed the alluvial terrace deposits.

The primary receptors of surface runoff at SWMU 27 are two culverts: one located to the west side of the main runway; and the other along the base perimeter road. These culverts divert surface water runoff from SWMU 27 into Farmers Branch Creek at the inlet to the aqueduct. However, some surface runoff from precipitation during the rainy season collects within the excavation pond. This water evaporates during the dry season. As noted previously, SWMU 27 is located on a hill approximately 30 feet above the main runway. Visual observations along this hill did not reveal any springs or seeps, although some linear stands of greener grass were noted. These stands of greener grass may indicate a higher moisture content along some bedding planes of the Goodland-Walnut aquitard that are exposed along the hill.

Two piezometers (BHGLTA051 and BHGLTA053) were installed within the trench of SUMU 27. As shown in Figure 4.2, these piezometers indicate that water located within the filled portion of the trench is recharged from the pond and surface precipitation. No groundwater was found outside of the excavation at SWMU 27 during this RFI. The lack of springs and seeps along the

east slope of the hill east of SWMU 27 also supports the finding that groundwater is not present in the Goodland-Walnut aquitard in this area of NAS Fort Worth JRB.

FIGURES



HydroGeoLogic, Inc.—Final RFI Report, SWMU 27
NAS Fort Worth JRB, Texas

Figure 3.1

Geophysical Results Summary

U.S. Air Force Center For Environmental Excellence
Brooks AFB, Texas

Legend

- NAS Fort Worth JRB Boundary
- Former Carswell AFB Boundary
- Anomalous Geophysical Area
- Surface Water
- BHGLTA211 — Borehole Location
- BHGLTA202 — Borehole/Piezometer Location
- UHGLTA211 — Surface Water Sample Location

Note: Symbols in blue represent Appendix IX sampling locations

- 1 — Geophysical Anomaly Location
- Geophysical Grid

N

75 0 75 150
SCALE IN FEET

Project: AFC001-05CEB
Filename: 05CEA/REPORT/f/f10_closure_report/f10_geophys.apr
Created: 10/09/98/98 rzehms
Revised: 02/25/00 jb
Map Source: HydroGeoLogic, Inc.—GIS Database

HYDRO GeoLogic INC.

TAB

Section 4.0

4.0 INVESTIGATION RESULTS

4.1 AERIAL PHOTOGRAPHIC SURVEY

Based on the aerial photographic survey, no activities were observed prior to 1988 in the area of SWMU 27. A linear excavation containing standing surface water is clearly present in 1992. The standing surface water is located farther north than was observed during the RFI field effort. The northern portion of the excavation was later filled. Since that time, the area has remained relatively unchanged. SWMU 27 has historically received minor amounts of concrete rubble, trees limbs, and street sweepings (Radian, 1986). Little else is known of this unit other than it retains water during the months of November through April and is usually dry during the months of June through August. Between the last week of March and the first week of April 1998, the pond was partially drained, loose materials were removed, and the trench was used for U.S. Marine Reserve Unit exercises.

4.2 GEOPHYSICAL INVESTIGATION

The geophysical investigation of SWMU 27 delineated the boundaries of the landfill as well as anomalies. These boundaries and anomalies were confirmed by DPT soil borings.

4.2.1 Geophysical Survey Results

After reviewing the EM data, the background apparent conductivity was determined to be approximately 65 mS/m, whereas the background inphase was determined to be approximately 0 to 1 ppt. Similarly, the background total magnetic field intensity was determined to be approximately 51,000 nT. Results significantly above or below these background values were considered to be anomalous.

As indicated on Figure 3.1, eight geophysical anomalies were identified by correlating the EM and magnetic results (Table 4.1). Three of the anomalies (Locations 2, 3, and 7) represent a strong EM response (apparent conductivity and inphase), but no substantial magnetic response was noted; therefore, the source of the anomaly is probably metallic but not ferromagnetic, or a highly conductive chemical compound. Similarly, Location 8 represents a strong, isolated EM inphase anomaly that does not exhibit a substantial magnetic response.

As indicated in the Table 4.1, Locations 1, 4, and 5 represent moderate to strong EM and magnetic anomalies. Based on the correlation between the two geophysical surveys, these anomalies probably represent ferromagnetic material in the subsurface. In addition, Location 6 represents a strong magnetic (total field intensity and vertical gradient) anomaly; however, a corresponding EM anomaly was not identified. A weak apparent conductivity anomaly, represented by values below background, was noted between Locations 1 and 6.

4.2.2 Geophysical Conclusions

The probable anomaly source at Locations 1, 4, and 5 is ferromagnetic material (i.e., iron or steel) in the subsurface; Location 6 may also represent ferromagnetic material in the subsurface. Similarly, the geophysical anomalies at Locations 2, 3, 7, and 8 are probably the result of metallic or nonmagnetic material (e.g., aluminum). The geophysical survey was primarily designed to determine the lateral extent of the landfill, instead of identifying individual anomalies. Consequently, each specific anomaly was not investigated. However, the approximate sources of anomalous Locations 2, 3, and 7 were investigated with DPT soil borings, but no anomaly source was identified.

As mentioned above, the shaded regions on Figure 3.1 denote areas of anomalous geophysical data. The primary area adjacent to the SWMU 27 trench was interpreted to be the lateral extent of the landfill, presumably representing displaced native material, as well as surface debris. Several piles of gravel and dirt existing in the vicinity of SWMU 27 were noted during the geophysical survey, some of which contained miscellaneous metallic debris. Based on aerial photographs, the orientation of the formerly excavated trench was anticipated to be consistent with the orientation of the existing water-filled trench; this assumption was confirmed by DPT soil boring transects. DPT soil borings advanced east of the trench axis in and around the interpreted landfill boundary did not encounter waste material, and met refusal at shallow depths, approximately 3 to 6 feet bgs.

4.3 SURFACE AND SUBSURFACE INVESTIGATION

Following the review of aerial photographs, a field investigation was conducted at SWMU 27 and included 29 soil borings, 2 of which were converted into temporary piezometers. Boring logs are presented in Appendix B. A summary of the types of wastes encountered in the soil borings at SWMU 27 is presented in Table 4.2. In four of these borings, soil samples were collected and analyzed for Appendix IX compounds. Soil samples were collected every 5 feet from the ground surface to the top of the water table or bedrock, whichever was encountered first. The remaining 25 soil borings were advanced to delineate the nature and boundaries of the landfill and to record lithologic data.

Two comparison criteria were used to evaluate concentrations of hazardous constituents. Inorganic constituent (i.e., metals) concentrations were compared to background values established by Jacobs Engineering Group (Jacobs, 1998b). Organic constituent concentrations were compared to the corresponding analytical method quantitation limit (MQL) for that particular analyte.

As part of the Draft Basewide Background Study (BBS) conducted by Jacobs Engineering Group (Jacobs, 1997) inorganic analyses were performed using standard Inductively Coupled Plasma (ICP) SW6010A method; however, during the Final BBS (Jacobs, 1998b), inorganic analyses were performed using the trace ICP SW6010A method of analysis. Using this more sensitive analytical method resulted in a much more stringent (lower) detection limit for some inorganic analytes. Because only the Draft BBS was available for comparison during the RFI work plan preparation and field activities, analysis of metals at SWMU 27 was performed using the standard ICP

SW6010A method. ICP methods of analysis have inherent interferences with respect to some inorganic constituents, specifically, selenium and thallium.

4.3.1 Thallium Comparison and Statistical Analysis

In the Draft BBS (Jacobs, 1997), thallium background concentrations in surface and subsurface soils were analyzed by the standard ICP SW6010A method and reported as 63.9 milligrams per kilogram (mg/kg) and 65.4 mg/kg, respectively. In the Final BBS (Jacobs, 1998), background concentrations of thallium in surface and subsurface soils were reported as 2.43 mg/kg and 1.5 mg/kg, respectively, when analyzed by the trace ICP SW6010A method. The initial thallium data (standard ICP) are consistently higher than the than the Final BBS thallium concentration (trace ICP). As the Draft BBS and the RFI soil samples from SWMUs 17, 26, 27, 29, 30, and 62 (HydroGeoLogic, 1998c) were both analyzed by the standard ICP SW6010A method, a statistical analysis was performed to compare thallium soil concentrations in these two data sets to minimize the variation of results due to analytical methods.

The method used to conduct the statistical analysis of the two data sets was the non-parametric Mann-Witney or Wilcox Rank Sum Test described in USEPA's guidance manuals for statistical analysis of groundwater monitoring data at RCRA Facilities (USEPA, 1989; USEPA, 1992). This statistical method was used because both data sets and their log-transformed data were not normally distributed, and the number of non-detects in the combined data set (background and compliance) were greater than 15 percent. All non-detects in both data sets were replaced with half the method detection limit (MDL) as recommended in USEPA's guidance manuals (USEPA, 1989; USEPA, 1992). Results of the statistical analysis are summarized in Table 4.2.

Table 4.2 illustrates that the mean thallium concentration in the background soils is close to four times higher than that of the SWMU 17, 26, 27, 29, 30, and 62 RFI soil samples. The difference in the means was confirmed by the result of the z-static test based on the assumption that there is no difference between the means at the 0.01 confidence level of significance. The approximate z-score (11.1) represents a normal approximation of the distribution of the Mann-Witney Static value (10948). To accept or reject the above assumption, the upper z-score is compared against the tabulated critical z-value of the upper 0.01 percentile (i.e., 99 percent level of confidence) of the normal distribution. The critical z-value is 2.36. Since 11.1 is greater than 2.36, the assumption that the means are the same is rejected. Therefore, it is concluded that the two means are statistically different and that the thallium concentration values in the SWMU 17, 26, 27, 29, 30, and 62 RFI data set are significantly lower than those of the Draft BBS. It can be inferred from this analysis that, if the RFI samples for SWMU 27 were reanalyzed using the trace ICP SW6010A method, as were the Draft BBS, the results of these analyses would not exceed background.

4.3.2 Selenium Comparison

As part of an RFI conducted in March and April 1998, selenium was detected above background in 28 of 28 samples at two other landfills at NAS Fort Worth JRB (SWMUs 29 and 30) (HydroGeoLogic, 1998c). Analysis of these samples using the standard ICP SW6010A method yielded selenium results ranging from 2.9 F to 23 F mg/kg (the F-flag is used to designate

concentrations detected between the MDL and the MQL). At SWMU 27, selenium was also analyzed by the standard ICP SW6010A method. Only 2 of 10 samples (the surface soil sample and 5-foot interval of BHGLTA051: 15.8 F mg/kg and 5.1 F mg/kg, respectively) had positive detections of selenium. These results were in the same range as those found at SWMUs 29 and 62. A summary of SWMU 27 analytical results is presented in Appendix C.

Selenium was analyzed by the more definitive SW7740 Graphite Furnace Atomic Absorption (GFAA) method in the BBS (Jacobs, 1998). Background results for surface and subsurface selenium were calculated and reported as 0.907 mg/kg and 0.313 mg/kg, respectively.

During the delineation phase of the RFI at SWMUs 29 and 62, which was conducted by HydroGeoLogic in January 1999, 11 of 28 sampling intervals where selenium was initially detected were resampled. For all 11 of the resampling intervals, selenium was not detected using the more definitive SW7740 GFAA method. According to the analytical laboratory, matrix interference is the primary reason the standard ICP SW6010A method generates false positive detections of selenium. Using this information from the RFI at SWMUs 29 and 62, it is likely that if the SWMU 27 sampling intervals were resampled and analyzed using the definitive SW7740 GFAA method, these samples would also be non-detect and below basewide background concentrations.

Based on this information, the detected concentrations of selenium at SWMU 27 do not appear to be a result of past site operations.

4.3.3 Lithologic Findings

A series of DPT transects were established to characterize the subsurface soil and groundwater in the area of SWMU 27. These transects established that the original trench had been excavated into bedrock to a depth of up to 16 feet, extending approximately 450 feet north of the existing pond. The trench was later filled with rubble during landfill activities. Various types of construction debris were found during the investigation. This debris consisted primarily of limestone boulders, concrete, asphalt, and wood fragments. Leaves and stems of water reeds were also encountered in subsurface soil sampling locations.

The bedrock surrounding the trench was identified as the Goodland Limestone. This limestone unit occurred at depths from 3 to 6 feet bgs as determined by a series of east-west oriented borings in the area of SWMU 27. Outcrops of the Goodland Limestone which is composed of alternating layers of limestone and silt, are visible in the excavation (Figure 4.1). A second series of north-south oriented borings were advanced along the center line of the landfill to depth reaching 16 feet bgs. Based on these findings, the original trench was approximately 800 feet in length and has been backfilled with landfill debris. As depicted in Figure 4.2, two east-west transects and one north-south transect were used to define the extent of the former excavated trench. Additionally, reeds, leaves, and other organic matter were encountered in soil samples collected at depth, indicating that standing water had once extended as far north as soil boring BHGLTA075 (Figure 4.2).

4.3.4 Surface Soil Detections

Surface and subsurface soil samples were collected for analysis from four locations at SWMU 27: BHGLTA051, BHGLTA052, BHGLTA053, and BHGLTA054 (Figure 2.1). Surface soil samples were collected adjacent to DPT boring locations using a stainless steel trowel and bowl. At each of these points, soil samples were obtained for analysis of the full suite of Appendix IX compounds. As presented in Table 4.4 and depicted in Figure 4.3, analytical results of surface soil samples indicate the presence of metals and sulfide above background levels but at low concentrations.

4.3.4.1 Inorganic Constituents

The following metals were detected above background concentrations at specific sampling locations at SWMU 27:

- **Selenium** was detected at BHGLTA051 at a concentration of 15.8 F mg/kg. This detection is above the surface soil background concentration of 0.907 mg/kg. However, as discussed in Section 4.3.2, this detection is believed to be a false positive based on confirmation sampling and analysis at other SWMUs using a more definitive analytical method.

- **Thallium** was detected at low levels between the MDL and the MQL adjusted for sample specific variations (e.g., percent moisture, sample aliquot, etc.) at all four sampling locations: BHGLTA051 (8.1 F mg/kg), BHGLTA052 (8.2 F mg/kg), BHGLTA053 (8.9 F mg/kg), and BHGLTA054 (8.7 mg/kg). These detections are above the surface soil background concentration of 2.43 mg/kg. However, as discussed in Section 4.3.1, statistical analysis between the background and compliance (RFI) data sets indicate that reanalysis of the RFI samples using trace ICP would yield below background concentrations.

4.3.4.2 Sulfide

Sulfide was detected in two surface soil sample locations within SWMU 27: BHGLTA052 (55.1 S mg/kg) and BHGLTA054 (91.9 S mg/kg). Both of these results were above the MQL of 21.2 mg/kg; however, no background data for sulfide is available at NAS Fort Worth JRB.

HydroGeoLogic contacted Ms. Zarena Post [(512) 239-1332] of the TNRCC regarding available risk standards for sulfides in Texas. Ms. Post reports to the Toxicology and Risk Assessment (TARA) section, under the Chief Engineer. After consulting her files and members of her staff, Ms. Post indicated there are no risk standards for sulfides in the state of Texas. Ms. Camarie Perry, also of TARA, confirmed that sulfide levels in soils and groundwater can not be compared to risk-based standards. Ms. Perry consulted Mr. Jeffrey Patterson [(512) 239-2489], a chemist for the Superfund Cleanup program, regarding secondary sources of toxicological information (e.g., journals), but found no specific sulfide information. Ms. Perry is also contacting Ms. Ann Strahl, a chemist for the Office of Waste Management for further confirmation. As an medium-

specific concentration (MSC) for sulfide has not be identified, additional sampling for sulfide is not warranted.

The analytical method used to determine sulfide concentrations, Method SW9030, is a titration screening method, and therefore, resulting data should not be construed as definitive. In addition, sulfide can be naturally produced by the biological breakdown of organic matter under anaerobic conditions.

4.3.5 Subsurface Soil Detections

Subsurface soil samples were collected for analysis at four locations within SWMU 27: BHGLTA051, BHGLTA052, BHGLTA053, and BHGLTA054. Soil samples for Appendix IX analyses were collected at 5-foot intervals the water table or bedrock was encountered. Analytical results of subsurface soil samples indicate the presence of metals, one VOC, one SVOC, and sulfide in low concentrations (Table 4.5, Figure 4.3).

4.3.5.1 Inorganic Constituents

The following metals were detected at concentrations above background in samples collected at SWMU 27:

- **Barium** was detected at sampling locations in BHGLTA052 (164 mg/kg in the 10-foot interval) and BHGLTA054 (172 mg/kg in the 10-foot interval). These detections are above the background concentration of 128.1 mg/kg; the corresponding MSC for this compound is 200 mg/kg.

- **Beryllium** was detected at sampling location BHGLTA052 (1.4 mg/kg in the 10-foot interval). This isolated detection is above the background concentration of 1.13 mg/kg.

- **Chromium (total)** was detected at sampling location BHGLTA052 (28.1 mg/kg in the 10-foot interval). This isolated detection is above the background concentration of 16.31 mg/kg. Similar to selenium, confirmation sampling and analysis at other SWMUs using a more definitive analytical method indicate that this detection may be a false positive.

- **Cobalt** was detected at sampling location BHGLTA052 (7.6 mg/kg in the 10-foot interval). This isolated detection is above the background concentration of 6.19 mg/kg.

- **Lead** was detected at sampling location BHGLTA051 (14.2 F mg/kg in the 5-foot interval). This isolated detection is above the background concentration of 12.66 mg/kg.

- **Selenium** was detected at sampling location BHGLTA051 (5.1 F mg/kg in the 5-foot interval). This detection is above the subsurface soil background concentration of 0.313 mg/kg. However, as discussed in Section 4.3.2, this detection is believed to be a false positive based on confirmation sampling and analysis at other SWMUs using a more definitive analytical method.

- **Thallium** was detected at sampling locations BHGLTA051 (5.6 F mg/kg in the 5-foot interval); BHGLTA052 (7.3 F mg/kg in the 5-foot interval and 17.5 F mg/kg in the 10-foot interval); BHGLTA053 (13.0 F mg/kg in the 5-foot interval); and BHGLTA054 (9.3 F mg/kg in the 10-foot interval). All of these detections are above the background concentration of 1.5 mg/kg. However, as discussed in Section 4.3.1, statistical analysis between the background and compliance (RFI) data sets indicate that reanalysis of the RFI samples using trace ICP would yield below background concentrations.

- **Vanadium** was detected at sampling locations BHGLTA052 (53.7 mg/kg in the 10-foot interval) and BHGLTA054 (42.9 mg/kg in the 5-foot interval). These detections are above the background concentration of 37.4 mg/kg. The corresponding MSC for this compound is 72 mg/kg.

- **Zinc** was detected at sample location BHGLTA052 (36 mg/kg in the 10-foot interval). This isolated detection is above the background concentration of 31.3 mg/kg.

4.3.5.2 Volatile Organic Compounds

The following VOC was detected at SWMU 27:

- **Acetone** was detected in the 10-foot interval of BHGLTA052 (0.023 mg/kg). This result is above the adjusted MQL of 0.006 mg/kg; however, no apparent waste was encountered in this interval. Acetone is a known laboratory contaminant, and was detected in 4 of the 36 project method blanks at concentrations ranging from 0.007 to 0.009 mg/kg.

4.3.5.3 Semivolatile Organic Compounds

The following SVOC was detected in a subsurface sample at SWMU 27:

- **Benzo[*b*]fluoranthene** was detected in the 5-foot interval of BHGLTA051 (0.34 F mg/kg). This detection is below the adjusted MQL of 0.35 mg/kg and is not considered significant due to the presence of asphalt in the sampling area.

4.3.5.4 Sulfide

Sulfide was detected in the subsurface soils at three out of four sampling locations within SWMU 27. It should be noted that Method SW9030 for sulfide is a titration screening method, and therefore, resulting data should not be construed as definitive. In addition, sulfide can be naturally produced by the biological breakdown of organic matter under anaerobic conditions.

- **Sulfide** was detected at BHGLTA052 (34.9 S mg/kg in the 5-foot interval), BHGLTA053 (51.7 S mg/kg in the 5-foot interval), and BHGLTA054 (35.2 S mg/kg in the 10-foot interval). All of these results were above their respective adjusted MQLs of 29.2 mg/kg, 30.9 mg/kg, and 27.6 mg/kg.

4.3.6 Surface Water

Two surface water samples were collected within SWMU 27: UHGLTA051 and UHGLTA052. Both samples were analyzed for the full suite of Appendix IX constituents. Analytical results of surface water samples presented in Appendix C, Table C.2, indicate no analytes detected above background concentrations or MQLs.

4.3.7 Groundwater

Following the field investigation, groundwater was determined not to exist horizontally outside of the pond in the surficial soils beneath this unit. This is due primarily to the lack of alluvial terrace deposits overlying the shallow bedrock, which is approximately 3 feet bgs at its shallowest depth. The bedrock is composed of the Goodland Limestone and Walnut Formation, which is considered to be an aquitard. Additionally, the absence of springs and seeps where the Goodland-Walnut aquitard is exposed on the 30-foot slope located east of SWMU 27 indicates no groundwater is present in the formation.

This lack of groundwater eliminates the potential for contamination leaching to a surficial aquifer. Because the trench at SWMU 27 has been excavated into the Goodland-Walnut aquitard, the trench serves as a catch basin for precipitation during the rainy season. This ponded water evaporates during the dry season. Pictures of the catch basin taken during wet and dry seasons are presented in Figure 4.4.

TABLES

Table 4.1
Geophysical Survey Results
SWMU 27 (Landfill 10)
NAS Fort Worth JRB, Texas

Location No.	Description
1	Moderate EM (inphase) and strong magnetic (total field intensity and vertical gradient) anomaly.
2	Moderate EM zone (strong conductivity and moderate inphase); nonmagnetic.
3	Strong EM zone (conductivity and inphase) anomaly; metallic but not magnetic.
4	Moderate EM (inphase) and strong magnetic (total field intensity) anomaly.
5	Moderate EM (inphase) and weak magnetic (total field intensity and vertical gradient) anomaly.
6	Strong magnetic (strong total field intensity and moderate vertical gradient) anomaly.
7	Strong EM zone (conductivity and inphase) anomaly; metallic but not magnetic.
8	Strong EM anomaly (inphase); nonmagnetic.

Table 4.2
Thallium Statistical Data
NAS Fort Worth JRB, Texas

Data Source	Sample Count	Mean	Standard Deviation	Ranked Sum	Mann-Witney Static	Approximate z-score for Mann-Whitney Static
Background 1997	66	41.8	14.8	13159	10948	11.1
SWMUs 17, 26, 27, 29, 30, and 62 RFI data	172	11.1	4.4	15282		

Table 4.3
Summary of Landfill Materials Encountered
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Boring/Sample Identification	Interval Waste Encountered	Type of Waste	Interval Sampled	Boring Ending Depth (feet)	Remarks
BHGLTA051-01	1-4'	Asphalt	0-0.5'		Dry
BHGLTA051-02	4-7'	Concrete and wood fragments	3.5-6.5'		Moist
BHGLTA051	7-9'	Asphalt and concrete	NA	9	Refusal (probably bedrock); Dry
BHGLTA052-01	0-4'	Some wood in top 12 inches	0-0.5'		Dry
BHGLTA052-02	NA	No apparent landfill material	3.5-6.5'		Dry
BHGLTA052-03	NA	No apparent landfill material	8.5-10.5'	10.5	Refusal (limestone); Dry
BHGLTA053-01	0-4'	Asphalt from 2-4'	0-0.5'		Dry
BHGLTA053-02	4-7'	Concrete pieces	3.5-6.5'		Dry
BHGLTA053	7-10'	Concrete	NA; poor recovery		Water encountered at approximately 6-7' bgs
BHGLTA053	13-16'	Black fibrous material and asphalt	NA; poor recovery		Wet
BHGLTA053	16-16.5'	Leaf debris	NA; poor recovery		Wet
BHGLTA053	NA	No apparent landfill material		17.5	Refusal (saprolite); Dry
BHGLTA054-01	0-4'	Some plant debris; limestone rubble	0-0.5'		Dry
BHGLTA054-02	NA	No apparent landfill material	3.5-6.5'		Dry
BHGLTA054-03	NA	No apparent landfill material	8.5-11.5'	12	Refusal; Dry
BHGLTA055	0-2.5'	Asphalt/concrete fragments	NA		
BHGLTA055	2.5-7'	Some plant fibers	NA	7	Refusal (limestone)
BHGLTA056	0-3'	Surface debris with some plant fragments; asphalt	NA	3	Refusal
BHGLTA057	3.5-4'	Asphalt	NA		
BHGLTA057	4-6'	Wood fragments	NA	7.5	Refusal

Table 4.3
Summary of Landfill Materials Encountered
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Boring/Sample Identification	Interval Waste Encountered	Type of Waste	Interval Sampled	Boring Ending Depth (feet)	Remarks
BHGLTA058	2-2.5'	Asphalt pieces	NA	6	Bedrock encountered (limestone)
BHGLTA059	NA	No apparent landfill material	NA	4.5	Refusal
BHGLTA060	NA	Native material	NA	7	Refusal
BHGLTA061	NA	No apparent landfill material	NA	3	Refusal (limestone)
BHGLTA062	NA	No apparent landfill material	NA	3	Refusal (limestone)
BHGLTA063	NA	Native material	NA	9	Refusal
BHGLTA064	NA	Native material	NA	4	Refusal
BHGLTA065	NA	No apparent landfill material	NA	6.5	Refusal
BHGLTA066	NA	Native material	NA	8	Refusal
BHGLTA067	NA	No apparent landfill material	NA	6	Refusal
BHGLTA068	NA	No apparent landfill material	NA	6	Refusal
BHGLTA069	2-3.5'	Asphalt	NA	3.5	Refusal
BHGLTA070	2-2.5'	Asphalt	NA	5	Refusal (limestone)
BHGLTA071	NA	No apparent landfill material	NA	8	Refusal (limestone)
BHGLTA072	NA	No apparent landfill material	NA	7	Refusal (limestone)
BHGLTA073	2-4'	Concrete pieces	NA		
BHGLTA073	6-8'	Asphalt and concrete	NA		
BHGLTA073	8-16'	Asphalt and wood debris; majority of wood debris in lower 2 feet; water reed stems at bottom	NA	16	Refusal
BHGLTA074	NA	No apparent landfill material	NA	3	Refusal

Table 4.3
Summary of Landfill Materials Encountered
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Boring/Sample Identification	Interval Waste Encountered	Type of Waste	Interval Sampled	Boring Ending Depth (feet)	Remarks
BHGLTA075	1.5-3'	Asphalt and wood debris	NA	3	Refusal
BHGLTA076	0-4'	Asphalt pieces	NA		
BHGLTA076	4-8'	Some plant debris	NA	12	Refusal (limestone)
BHGLTA077	0-2'	Asphalt fragments	NA	12	Refusal
BHGLTA078	NA	No apparent landfill material	NA	10	Refusal
BHGLTA079	NA	No apparent landfill material	NA	10	Refusal (limestone bedrock)

NA = Not submitted for analysis.

Table 4.4
Surface Soil Detections
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Analyte	RRS-1	RRS-2	BHGLTA051-00	BHGLTA052-00	BHGLTA053-00	BHGLTA054-00	BHGLTA054-00 Duplicate
Arsenic	5.85	5.85	2.3 F	3 F	2.8 F	--	3 F
Barium	233	233	116	55.5	45.9	33.5	32.1
Beryllium	1.02	1.02	--	0.6	0.55	0.44	0.48
Cadmium	0.556	0.556	0.35 F	--	--	--	--
Chromium (total)	25.86	25.86	19.1	14.3	13.8	11.2	11
Cobalt	11.05	613.2	4.8 F	2.3 F	1.9 F	1.4 F	1.7 F
Copper	17.37	130	9	5.3	3.8 F	2.5 F	2.5 F
Lead	30.97	30.97	12.8 F	8.1 F	7.6 F	5.2 F	5 F
Nickel	14.6	204.4	11.8 F	7.5 F	6.8 F	5.4 F	5.5 F
Selenium	0.907	5	[(15.8 F)]	--	--	--	--
Thallium	2.43	2.43	[(8.1 F)]	[(8.2 F)]	[(8.9 F)]	[(8.7 F)]	[(6.7 F)]
Vanadium	46.3	71.54	34.7	29.2	28.3	24	29.6
Zinc	38.8	3066	32.4	22.2	16.9	12.7	11.8
Benzo(a)anthracene	0.33	0.33	--	--	0.15 F	--	--
Benzo(a)pyrene	0.33	0.33	--	0.057 F	0.18 F	--	--
Benzo(b)fluoranthene	0.33	0.33	--	0.071 F	0.26 F	--	--
Benzo(g,h,i)perylene	0.33	306.6	--	0.051 F	0.12 F	--	--
Benzo(k)fluoranthene	0.33	0.392	--	--	0.12 F	--	--
bis(2-Ethylhexyl)phthalate	0.33	0.6	0.13 F	--	--	--	--
Chrysene	0.33	3.92	--	0.039 F	0.17 F	--	--
Fluoranthene	0.33	408.8	--	--	0.081 F	--	--
Indeno(1,2,3-c,d)pyrene	0.33	0.33	--	0.047 F	0.12 F	--	--
Phenanthrene	0.33	306.6	--	--	0.13 F	--	--
Pyrene	0.33	306.6	--	--	0.18 F	--	--
Sulfide	21.2	NV*	--	(55.1 S)	--	(62.5 S)	(91.9 S)

All concentrations reported in mg/kg.

Results enclosed in (parentheses) exceed RRS-1 value.

Results enclosed in [brackets] exceed RRS-2 value.

J = Estimated Detection above MQL.

F = Estimated Detection between MDL and MQL.

-- = Result not detected at or above MDL.

NV* = Screening purposes only; no associated RRS-2 value.

Table 4.5
Subsurface Soil Detections
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Analyte	RRS-1	RRS-2	BHGLTA051-05	BHGLTA052-05	BHGLTA052-10	BHGLTA053-05	BHGLTA054-05	BHGLTA054-10
Arsenic	6.58	6.58	--	4.6 F	--	6 F	--	--
Barium	128.1	200	34.5	62.4	**(164)**	36.5	79.6	**(172)**
Beryllium	1.13	1.13	--	0.61	**[(1.4)]**	0.82	0.73	0.62
Chromium (total)	16.31	16.31	10.4	14.4	**[(28.1)]**	15.8	14.7	14
Cobalt	6.19	613.2	--	2.9 F	**(7.6)**	1.3 F	3.9 F	3.4 F
Copper	13.72	130	3.5 F	3.4 F	6.7	3.4 F	3.5 F	3.9 F
Lead	12.66	12.66	**[(14.2 F)]**	7 F	12.4 F	7.4 F	6.4 F	5.5 F
Nickel	19.76	204.4	5.7 F	8.1 F	15.9	10.7 F	8.9 F	9.1 F
Selenium	0.313	5	**[(5.1 F)]**	--	--	--	--	--
Thallium	1.5	1.5	**[(5.6 F)]**	**[(7.3 F)]**	**[(17.5 F)]**	**[(13 F)]**	--	**[(9.3 F)]**
Vanadium	37.4	71.54	19.5	32.1	**(53.7)**	32.2	**(42.9)**	28.6
Zinc	31.3	3066	16.6	18.2	**(36)**	18.7	17.8	12.3
Acetone	0.005	1022	--	--	**(0.023)**	--	--	--
Methylene chloride	0.002	0.5	--	--	--	--	**(0.003)**	--
Toluene	0.005	100	--	--	--	0.001 F	--	--
Anthracene	0.33	3066	0.044 F	--	--	--	--	--
Benzo(a)anthracene	0.33	0.33	0.16 F	0.049 F	--	--	--	--
Benzo(a)pyrene	0.33	0.33	0.24 F	0.045 F	--	--	--	--
Benzo(b)fluoranthene	0.33	0.33	**[(0.34 F)]**	0.077 F	--	--	--	--
Benzo(g,h,i)perylene	0.33	306.6	0.16 F	--	--	--	--	--
Benzo(k)fluoranthene	0.33	0.392	0.14 F	0.042 F	--	--	--	--
bis(2-Ethylhexyl)phthalate	0.33	0.6	0.096 F	0.13 F	--	--	--	--
Chrysene	0.33	3.92	0.23 F	0.054 F	--	--	--	--
Fluoranthene	0.33	408.8	0.29 F	--	--	--	--	--
Indeno(1,2,3-c,d)pyrene	0.33	0.33	0.29 F	--	--	--	--	--
Phenanthrene	0.33	306.6	0.14 F	--	--	--	--	--
Pyrene	0.33	306.6	0.28 F	--	--	--	--	--
Sulfide	21.2	NV*	--	**(34.9 S)**	--	**(51.7 S)**	--	**(35.2 S)**

All concentrations reported in mg/kg.

Results enclosed in (parentheses) exceed RRS-1 value.

Results enclosed in [brackets] exceed RRS-2 value.

J = Estimated Detection above MQL.

F = Estimated Detection between MDL and MQL.

-- = Result not detected at or above MDL.

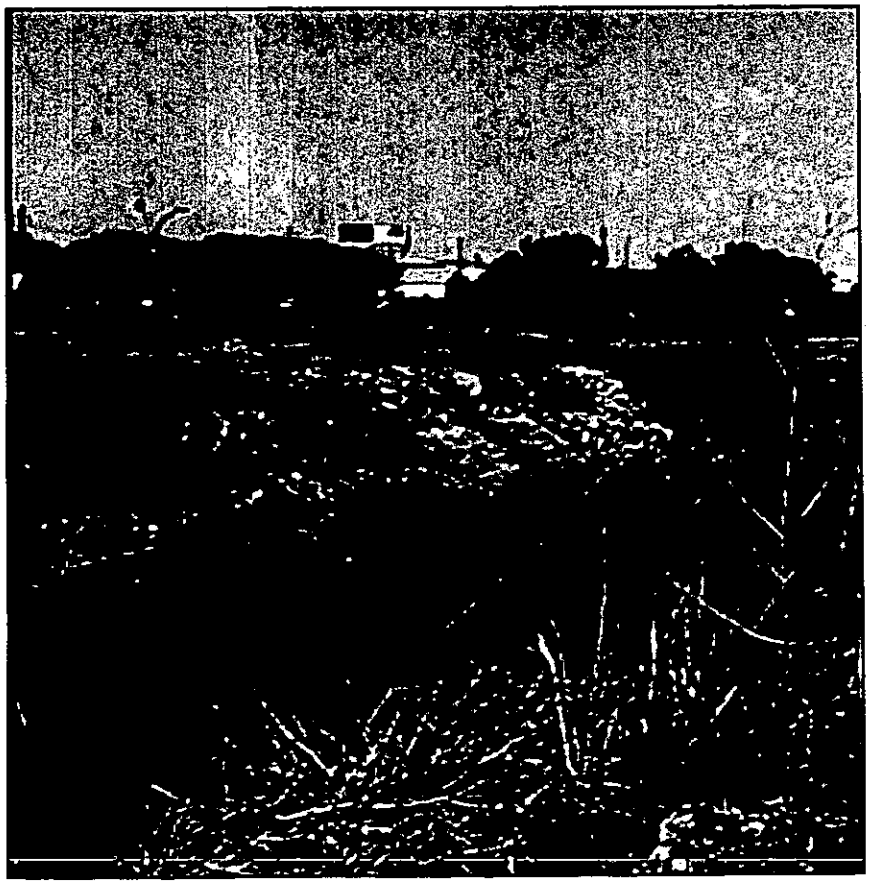
NV* = Screening purposes only; no associated RRS-2 value.

FIGURES

SWMU 27

Bedrock Outcrop

View - North Northwest



View - West

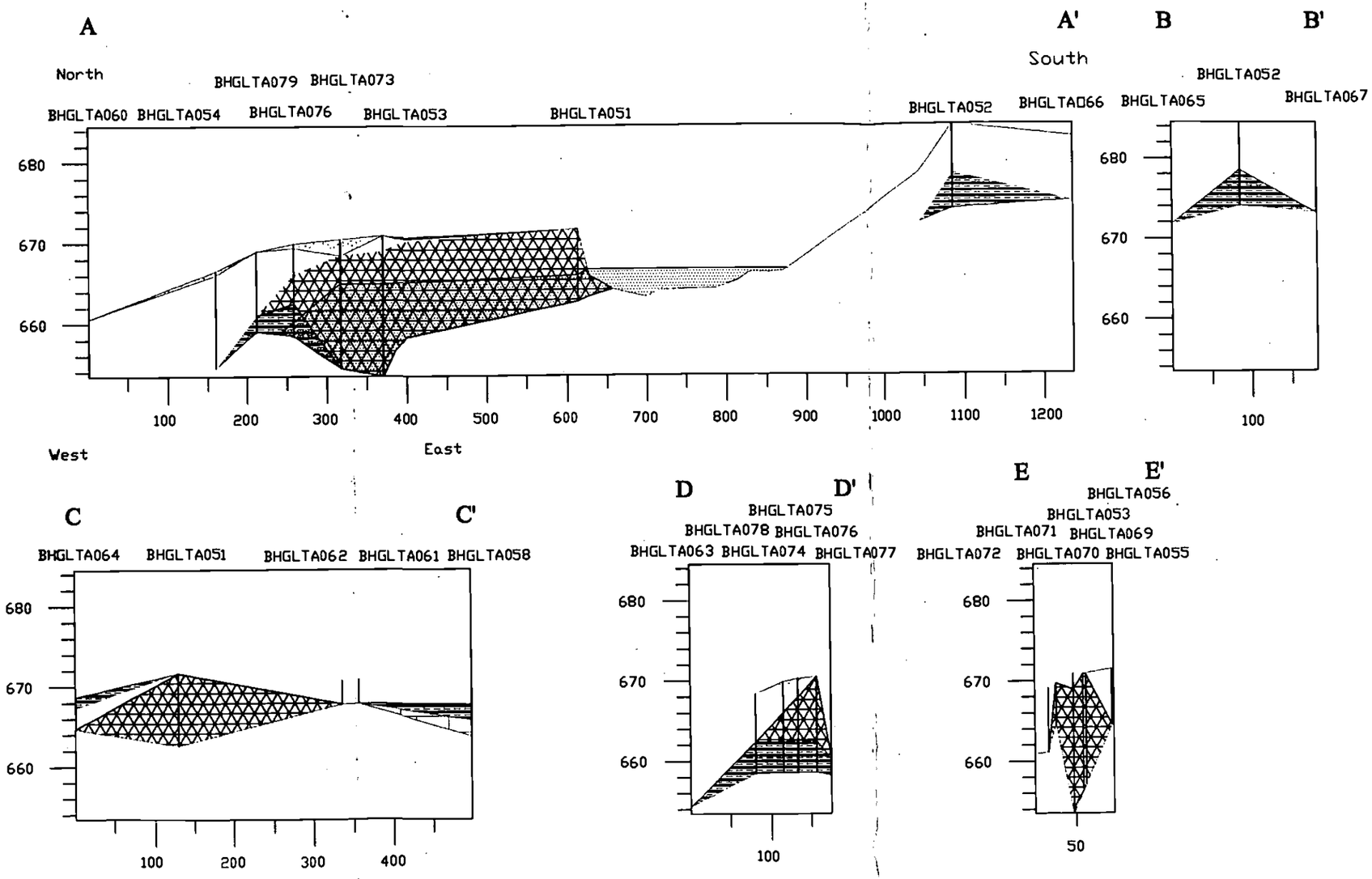
The trench at SWMU 27 has been excavated into the Goodland Walnut Formation. This formation is composed of alternating layers of fossiliferous white limestone and brown silt. The limestone is approximately 2 to 6 feet below ground surface throughout the SWMU 27 area.

Filename: X:\Afc001\05cea\Report\Lf10_closure_report\photos.apr
Project: AFC001-05CEB
Created: 02/24/99 jb
Revised: 02/18/00 ap
Source: HGL ArcView Database

HYDRO GeoLogic

U.S. Air Force Center for Environmental Excellence
Brooks AFB, Texas

Figure 4.1
Photographs — SWMU 27



HydroGeoLogic, Inc.—Final RFI Report, SWMU 27
NAS Fort Worth JRB, Texas

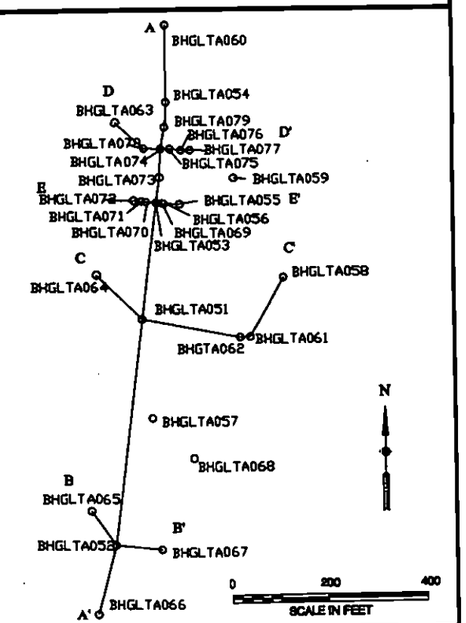
Figure 4.2

SWMU 27
Lithographic Cross-Sections

U.S. Air Force Center for
Environmental Excellence
Brooks AFB, Texas

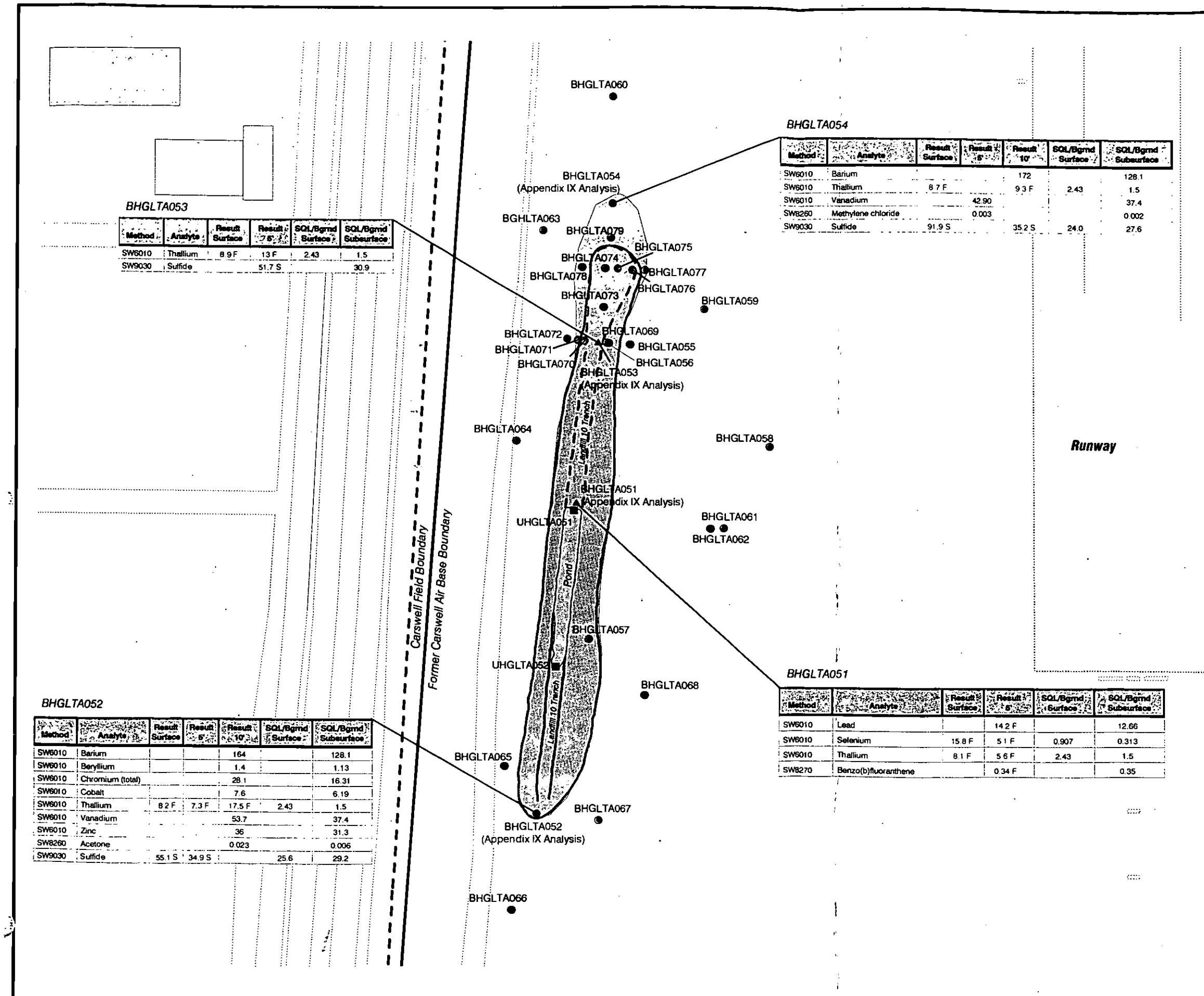
Legend

- Sand & Gravel
- Clay
- Silty Clay
- Landfill
- Bedrock
- Perched water / Surface water



HYDRO GeoLogic INC.

Project: AFC001-05CEB
Filename: X:\afc001\05cea\f10_closure_report\f-10_CROSS.dwg
Revised: 02/18/00 ap



BHGLTA053

Method	Analyte	Result Surface	Result 5'	SQL/Bgrnd Surface	SQL/Bgrnd Subsurface
SW6010	Thallium	8.9 F	13 F	2.43	1.5
SW9030	Sulfide		51.7 S		30.9

BHGLTA054

Method	Analyte	Result Surface	Result 5'	Result 10'	SQL/Bgrnd Surface	SQL/Bgrnd Subsurface
SW6010	Barium			172		128.1
SW6010	Thallium	8.7 F		9.3 F	2.43	1.5
SW6010	Vanadium		42.90			37.4
SW8260	Methylene chloride		0.003			0.002
SW9030	Sulfide	91.9 S		35.2 S	24.0	27.6

BHGLTA052

Method	Analyte	Result Surface	Result 5'	Result 10'	SQL/Bgrnd Surface	SQL/Bgrnd Subsurface
SW6010	Barium			164		128.1
SW6010	Beryllium			1.4		1.13
SW6010	Chromium (total)			28.1		16.31
SW6010	Cobalt			7.6		6.19
SW6010	Thallium	8.2 F	7.3 F	17.5 F	2.43	1.5
SW6010	Vanadium			53.7		37.4
SW6010	Zinc			36		31.3
SW8260	Acetone			0.023		0.006
SW9030	Sulfide	55.1 S	34.9 S		25.6	29.2

BHGLTA051

Method	Analyte	Result Surface	Result 5'	SQL/Bgrnd Surface	SQL/Bgrnd Subsurface
SW6010	Lead		14.2 F		12.66
SW6010	Selenium	15.8 F	5.1 F	0.907	0.313
SW6010	Thallium	8.1 F	5.6 F	2.43	1.5
SW8270	Benzo(b)fluoranthene		0.34 F		0.35

Figure 4.3

Soil Analytical Concentrations Above Background

U.S. Air Force Center For Environmental Excellence
Brooks AFB, Texas

Legend

- NAS Fort Worth JRB Boundary
- Former Carswell AFB Boundary
- Current Trench Boundary
- Approximate Boundary of Buried Trench
- Landfill Boundaries
- BHGLTA211 Borehole Location
- BHGLTA202 Borehole/Piezometer Location
- UHGLTA211 Surface Water Sample Location

NOTES: J = Estimated
F = Detection between the SQL and MDL
S = Screening level data

MQL (Method Quantitation Limit) = the lowest calibration standard that is analyzed during an initial calibration (e.g., the lowest non-zero standard)

SQL (Sample Quantification Limit) = sample specific practical quantification limit for organics and sulfide.

MDL (Method Detection Limit)

Bgrnd (Background) = Jacobs basewide values for inorganics (1998).

Red shaded values in analytical tables indicate values => RRS2.

All data reported in mg/kg.

Symbols in blue represent Appendix IX sampling locations.

N

75 0 75 150
SCALE IN FEET

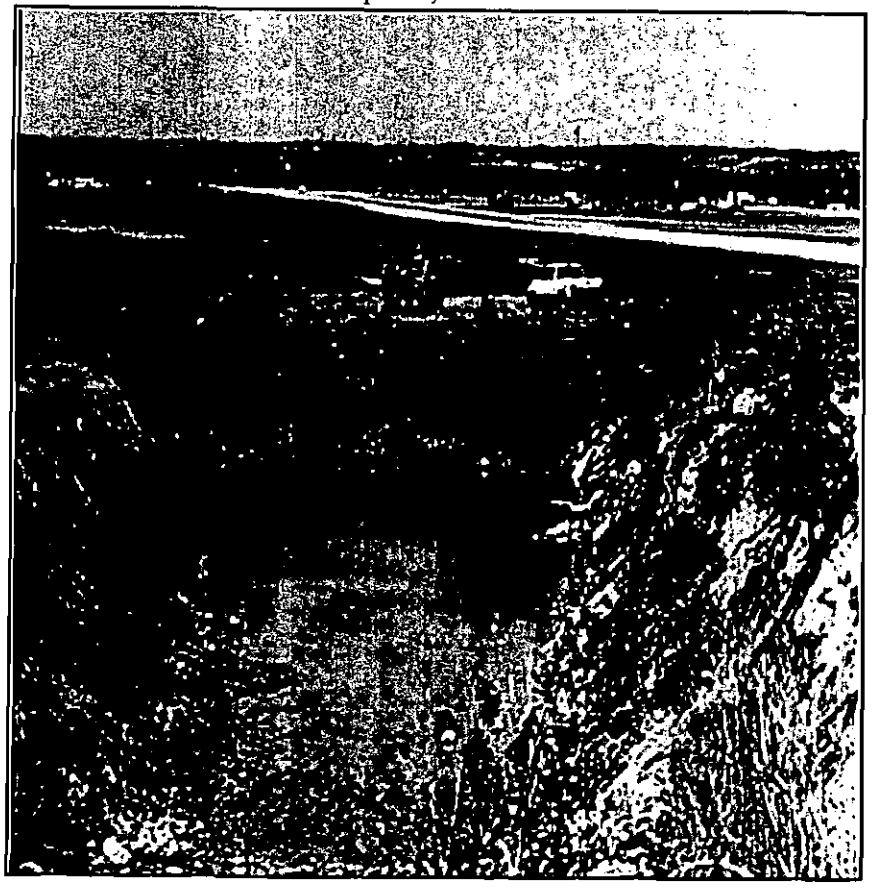
Project: AFC001-05CEB
Filename: 05CEA/REPORT/f/10_closure_report/soil_concentrations.apr
Created: 10/08/98 rzehms
Revised: 02/17/00 ap
Map Source: HydroGeoLogic, Inc.--GIS Database

HYDRO GeoLogic INC.

SWMU 27

Seasonal Pond

April 3, 1998



July 27, 1998

The trench has been excavated approximately 16 feet into bedrock. As no groundwater was identified at SWMU 27, this trench acts as a seasonal catch basin for precipitation. The filled portion of the former trench extends 450 feet north of the catch basin. Note the presence of small trees, bushes, and reeds surrounding the basin. The DPT rig, shown in the April 3, 1998 photo, is located at Boring BHGLTA053.

Filename: X:\Afc001\05cea\Report\Lf10_closure_report\photos.apr
Project: AFC001-05CEB
Created: 02/24/99 jb
Revised: 02/18/00 ap
Source: HGL ArcView Database

U.S. Air Force Center for Environmental Excellence
Brooks AFB, Texas

Figure 4.4
Photographs — SWMU 27

TAB

Section 5.0

5.0 DISCUSSION OF RESULTS

Four soil borings were installed to collect samples for chemical analysis. These borings were placed in a linear pattern along the long axis of the trench in order to maximize chemical sampling intervals. A total of 10 soil samples for chemical analysis were collected. Two surface water samples were also collected. All soil and surface water samples were analyzed for the full suite of Appendix IX constituents using USEPA SW846 analytical methods (with the exception of the SW9030, which is a screening-level analysis for sulfide).

The following sections describe the physical setting and analytical results from samples collected during this field investigation

5.1 GEOLOGY, HYDROGEOLOGY, AND HISTORICAL USE

The trench associated with excavation and landfilling activities at SWMU 27 was originally excavated into the Goodland-Walnut aquitard. Precipitation collects on top of this formation in the trench that currently exists at SWMU 27, and emanates laterally through the fill material. No surficial groundwater units exist in the vicinity of SWMU 27. Precipitation accumulates as surface water in the trench at SWMU 27 due to the presence of the Goodland-Walnut aquitard.

5.2 ANALYTICAL RESULTS

5.2.1 Surface Soil

Only two analytes, selenium and thallium, were detected at concentrations above background in surface soil samples collected from SWMU 27. Based on the statistical analysis performed on other soil data for NAS Fort Worth JRB, and because there is no pattern of occurrence, these constituents are not indicative of a release of hazardous constituents from the unit. Therefore, these constituents do not warrant further consideration.

Sulfide screening concentrations also exceeded the MQL in two surface soil samples. Sulfide concentrations in this range are not characteristic of a release. Sulfide is also produced by the biological breakdown of organic matter under anaerobic conditions. These conditions are present in the perched-water zones associated with the ponded water at SWMU 27.

5.2.2 Subsurface Soil

The following inorganic constituents were detected at concentrations above their corresponding background values in samples collected in the subsurface at SWMU 27: beryllium, chromium, cobalt, lead, and zinc. Since these constituents were only detected in one sample each, no pattern of occurrence can be established. In addition, the concentrations detected for these compounds were detected just above background concentrations. Based on this information, these constituents are not indicative of a release of hazardous constituents from the unit. Therefore, they do not warrant further consideration.

Barium and vanadium were each detected in two subsurface soil samples collected at SWMU 27 at concentrations just above background and below RRS2 values. These detections appear to be random and no pattern of occurrence can be identified based on the location and/or sampling interval. Based on this information, these constituents do not warrant additional consideration.

Based on subsurface soil sampling data collected by HydroGeoLogic at other landfills at NAS Fort Worth JRB, concentrations of selenium and thallium detected in soil at SWMU 27 are not statistically different than background concentrations. Therefore, these constituents are not indicative of a release of hazardous constituents from the unit and these constituents do not warrant further consideration.

One subsurface soil sample contained a detection of acetone slightly above the adjusted MQL. Since acetone is a common laboratory contaminant, and was identified in several method blanks at concentrations higher than detected in this sample, this detection can be likely be attributed to laboratory contamination. Based on this information, and that no pattern of occurrence indicative of a release has been identified, this constituent does not warrant additional consideration.

One subsurface soil sample contained a detection of benzo[*b*]fluoranthene. This detection was slightly above the corresponding adjusted MQL and was collected from a sampling interval that also contained asphalt. Since this detection occurred in only one sample, no pattern of occurrence indicative of a release can be identified. Therefore, based on this information, additional consideration of this analyte is not warranted.

5.2.3 Surface Water

Two surface water samples were collected and no analytes were detected above background or adjusted MQLs. Therefore, the surface water at SWMU 27 has not been impacted by landfill activities at SWMU 27.

TAB

Section 6.0

6.0 CONCLUSIONS

Field observations and analytical results indicate that a release has not occurred from SWMU 27. Based on this information, no further action is warranted at SWMU 27 and this unit is recommended for closure.

TAB

Section 7.0

7.0 REFERENCES

A.T. Kearney, Inc., 1989, RCRA Facility Assessment PR/VSI Report.

CH2M HILL, Inc., 1996, Site Characterization Summary Informal Technical Information Report.

CH2M HILL, 1997, Draft RCRA Facility Investigation Work Plan for Area of Concern 2, (TCE Groundwater Plume).

Environmental Science and Engineering Incorporated (ESE), 1994, Summary of Remediation Projects at Air Force Plant 4 and Carswell Air Force Base.

HydroGeoLogic, Inc., 1998a, Final Work Plans, RCRA Facility Investigation of Landfills NAS Fort Worth JRB, Texas.

HydroGeoLogic, Inc., 1998b, Final Basewide Quality Assurance Project Plan, NAS Fort Worth JRB, Texas.

HydroGeoLogic, Inc., 1998c, Draft Technical Memorandum, Initial Soil Sampling Results, Proposed Additional Sampling SWMUs 17, 26, 27, 29, 30, and 62 RCRA Facility Investigation, NAS Fort Worth JRB, Texas.

Jacobs Engineering Group, Inc., 1998a, NAS Fort Worth JRB, Texas - Draft Basewide Background Study.

Jacobs Engineering Group, Inc., 1998b, NAS Fort Worth JRB, Texas - Final Basewide Background Study.

Radian Corp., 1986, IRP Phase II, Confirmation/Quantification Stage I Final Report

Radian Corporation, 1989, Installation Restoration Program RI/FS, Stage 2 Draft Final Technical Report, Carswell Air Force Base, Volume 1.

Radian Corporation, 1989, Installation Restoration Program RI/FS, Stage 2 Draft Final Appendices A-E, Carswell Air Force Base, Volume 2.

Radian Corporation, 1991, Installation Restoration Program RI, Stage 2 Final Report, Carswell Air Force Base.

Rust Geotech, 1995, Remedial Investigation and Preliminary Assessment/Site Inspection Report, Air Force Plant 4. September.

Texas Natural Resource Conservation Commission, 1995, Letter, Determination of a Need for an RFI and Current Condition Report.

Texas Water Commission, 1991, Permit Number HW-50289, EPA I.D. Number 0571924042.

Texas Natural Resource Conservation Commission, Office of Air Quality, 1996a, Air Quality in Texas: Dallas/Fort Worth, Obtained from TNRCC Internet Home Page.

U.S. Air Force Occupational and Environmental Health Laboratory, Human Systems Division, 1989, Hazardous Waste Technical Assistance Survey, Carswell Air Force Base, TX.

U.S. Department of Commerce, 1996, 1990 Census of Population, Tarrant County, Texas, Bureau of the Census, Washington, D.C.

U.S. Department of Commerce, 1994, 1990 Census of Population, Cities and Villages in Tarrant County, Texas, Bureau of the Census, Washington, D.C.

U.S. Environmental Protection Agency (USEPA), 1993, Data Quality Objectives Process for Superfund, Interim Final Guidance.

U.S. Environmental Protection Agency (USEPA), 1992, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Interim Final Guidance. Addendum to the Interim Final Guidance. U. S. EPA, 401 M St., S.W., Washington DC 20460.

U.S. Environmental Protection Agency (USEPA), 1989, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Interim Final Guidance. U. S. EPA, 401 M St., S.W., Washington DC 20460.

U.S. Geological Survey, 1996, Hydrogeology at Air Force Plant 4 and Vicinity and Water Quality of the Paluxy Aquifer, Fort Worth, Texas, Water-Resources Investigation Report 96-4091.

U.S. Geological Survey, 1981, Soil Survey of Tarrant County, Texas, pps. 202-203.

TAB

Appendix A

APPENDIX A

SURVEYING DATA

HYDROGEOLOGIC, INC.

Prime Contract No. F41624-95-D-8005
Subcontract AFC001-05CDI

SUBCONTRACTOR
Baird, Hampton & Brown, Inc.

LANDFILL 10

DESCRIPTION	NORTHING	EASTING	GROUND ELEVATION	TOP OF PVC ELEVATION
0'N 0'E	6957046.04	2292846.02	678.18	-
700'N 360'E	6957722.85	2293244.80	669.28	-
1200'N 320'E	6958224.18	2293235.86	662.55	-
BHGLTA051	6957662.52	2292997.39	671.66	-
BHGLTA052	6957194.50	2292938.43	684.53	-
BHGLTA053	6957903.86	2293029.61	670.94	-
BHGLTA054	6958112.81	2293050.24	666.52	-
BHGLTA055	6957900.84	2293077.81	671.49	-
BHGLTA056	6957902.29	2293045.29	670.94	-
BHGLTA057	6957457.27	2293016.97	677.06	-
BHGLTA058	6957747.46	2293289.40	669.74	-
BHGLTA059	6957954.43	2293189.76	666.63	-
BHGLTA060	6958273.26	2293050.12	660.61	-
BHGLTA061	6957625.00	2293220.34	670.89	-
BHGLTA062	6957624.03	2293199.86	670.80	-
BGHLTA063	6958071.85	2292946.01	663.30	-
BHGLTA064	6957755.05	2292906.37	668.71	-
BHGLTA065	6957265.16	2292889.96	678.32	-
BHGLTA066	6957049.41	2292901.69	682.98	-
BHGLTA067	6957184.46	2293032.07	679.21	-
BHGLTA068	6957373.39	2293101.55	675.07	-
BHGLTA069	6957903.03	2293041.92	670.88	-
BHGLTA070	6957905.92	2293008.64	669.70	-
BHGLTA071	6957906.94	2292998.79	669.07	-
BHGLTA072	6957908.89	2292982.69	667.96	-
BHGLTA073	6957956.83	2293037.00	670.43	-
BHGLTA074	6958015.59	2293039.61	669.91	-
BHGLTA075	6958015.45	2293058.37	670.31	-
BHGLTA076	6958013.11	2293081.27	670.55	-
BHGLTA077	6958013.13	2293100.37	670.15	-
BHGLTA078	6958016.96	2293004.99	668.38	-
BHGLTA079	6958061.26	2293047.79	668.99	-

NOTE: All coordinate values are NAD83 State Plane Coordinates, Texas North Central Zone, Feet.

TAB

Appendix B

APPENDIX B

BORING LOGS

Borehole ID: BHGLTA051

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/03/98

Geologist: M Gerber

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1								Appendix IX sampling. BHGLTA051-01 (0-5") 1110
2				CL	<5%	Dry	0.0	
3		*Silty Clay and Asphalt* Very poor recovery. 3" of asphalt and 2" of dark silty clay. Dry. Collected VOCs from 3.5-4'.						
4			668					
5								BHGLTA051-02 (3.5-6.5') 1155
6		*Landfill* Concrete pieces w/ rounded pebbles. Moist near bottom. Wood fragments. Some wet clay.		CL	<5%	Moist	0.0	
7			665					Offset by 2' in order to obtain enough soil for sampling.
8		*Landfill* Asphalt and concrete, silty clay, dry. Refusal at 9' at 1135. Offset refusal at 9' at 1155.		CL	5%	Dry	0.0	
9			663					Refusal at 9'. Probably bedrock.
10								
11								
12								
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 9'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA052

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/06/98

Geologist: M Gerber

SUBSURFACE PROFILE				SAMPLE				
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1								Appendix IX sampling. BHGLTA052-01 (0-5") 1150
2		*Silty Clay w/ Gravel* 7.5YR 4/1 dk gray mottled silty clay w/ rock fragments- angular, approx. 50%, limestone. Some wood in top 12". Dry. VOCs collected from 3-3.5'.		CL	40%	Dry	0.0	
3								
4			681					
5		*Silty Clay* 10YR 3/1 v dk gray stiff clay, dry. Some organics - appears to be native. Some rock fragments in upper 6". No evidence of landfill.		CL	50%	Dry	0.0	BHGLTA052-02 (3.5-6.5') 1015
6								
7			678					
8		*Silty Clay/ Sandy Silt* 10YR 3/1 v dk gray stiff clay. Bottom 12" 2.5Y 5/2 grayish brown sandy silt, poorly sorted, dry. VOCs collected from 9.5-10'.		SM	100%	Dry	0.0	
9								
10			675					
		Sandy Silt 1% recovery. Sandy silt mottled, poorly sorted, same as previous.	674	SM	1%	Dry	0.0	BHGLTA052-03 (8.5-10.5') 1035
11								
12								No evidence of landfill past 6-8" bgs. Refusal at 10.5'.
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 10.5'

Sheet: 1 of 1

Borehole ID: BHGLTA052B

HYDRO GeoLogic INC.

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/06/98

Geologist: C Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1								Continuation of BHGLTA052 w/ HSA.
2								
3		*Silty Clay w/ Gravel* Top 2' silty clay w/ fine gravel clasts and coarse sand grains. Mottled dk brown to gray. Limestone clasts throughout. No odor.		CL		Dry	0.0	
4								
5			680					
6								
7								
8				CL		Dry	0.0	
9		*Silty Clay* Sharp contact at 6' bgs w/ a stiff dk gray black clay, scattered fine gravel clasts (10%) to 10'. Swampy decay odor.						
10			675					
		Weathered LS Thin platy weathered LS, clayey to chalky texture. Refusal at 10.5', compatent bedrock. Fossiliferous - pectin and echinoderms. Mottled pale red to gray. No odor.	674	CL		Dry	0.0	No well installed.
11								
12								
13								
14								
15								
16								

Drilled By: Environmental Drillers

Drill Method: HSA

Drilling Equipment: CME75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 6.25"

Total Depth Drilled: 10.5'

Sheet: 1 of 1

Borehole ID: BHGLTA053

HYDRO GeoLogic INC.

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/07/98

Geologist: C Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1–4		*Silty Clay w/ Sand and Gravel* Top 6" -1' 10YR 6/4 lt yellow brown silty clay w/ coarse sand fragments and some fine gravel. Dry, no odor.	667	(CL)g	100%	Dry	0.0	Appendix IX sampling. BHGLTA053-01 (0-5") 1030 N1 and MS/MSD
5–7		*Landfill* Asphalt layer. Pieces of gravel intermixed (fine-coarse).	664	GP	20%	Dry	0.0	BHGLTA053-02 (3.5-6.5') 1215
8–10		*Landfill* Poor recovery. Strange odor at base gravel (fine), pieces of chert. Wet at 7.5-8'. Abundant concrete at base of 7-10' interval.	661	GP	10%	Wet	2.0	Strange odor.
11–13		*Silty Clay w/ Sand and Gravel* Poor recovery. From 12-13' 10YR 4/1 dk gray silty clay w/ coarse sand and fine gravel. Does not appear to be native. Wet, no odor.	658	s(CL)g	10%	Wet	0.0	
14–16		*Landfill* Dk black fibrous material w/ odor. Asphalt pieces at depth. Wet. PID= 3ppm. 10% recovery.	655	OL/OH	Poor	Wet	3.0	

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 17.5'

Sheet: 1 of 2

HYDRO GeoLogic INC.

Borehole ID: BHGLTA053

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/07/98

Geologist: C Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
17		*Silty Clay* 2.5YR 4/1 dk gray silty clay, leaf debris in top 6". Material is dry in bottom below leaf debris. Boring terminated due to refusal.	653	CL	Poor	Dry	0.0	Boring terminated due to refusal at 17.5'.
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 17.5'

Sheet: 2 of 2

Borehole ID: BHGLTA054

HydroGeoLogic INC.

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/07/98

Geologist: M Gerber

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1								Appendix IX sampling. BHGLTA054-01 (0-5") 1430
2		*Gravel* 0-6" surface rubble w/ gravel and sand. Some plant debris. Collected 054-01 and duplicate (DP01). Dry, no odor. 1-4' 1% recovery. Gravel, rounded and rock chips. Dry.		GP	1%	Dry	0.0	
3								
4			663					
5		*Silty Clay* 4-7' 80% recovery. 5Y 2.5/1 black silty clay w/ gravel and coarse sand (20%). Poorly sorted. At 6' 1-2" weathered LS pieces. Sharp contact w/ 2.5Y 7/6 yellow silty clay, mottled, stiff, dry.		CL	80%	Dry	0.0	BHGLTA054-02 (3.5-6.5') 1605
6								
7			660					
8				CL		Dry	0.0	
9		Same as above, more mottled.						
10			657					BHGLTA054-03 (8.5-11.5') 1630
11		Same as above w/ small gravel LS. Refusal at 12'.		CL		Dry	0.0	
12			655					
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 12'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA055

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/08/98

Geologist: C Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1, 2		*Silty Clay w/ Sand and Gravel* 10YR 5/2 grey/brown silty clay w/ coarse sand and fine gravel, mottled, asphalt/concrete frags. Grades to a lighter color. No odor.	669	GC		Dry	0.0	Lithology only.
3, 4, 5, 6, 7		*Silty Clay/ Limestone* 10YR 2/1 black soft silty clay w/ some plant fibers and coarse sand grains (10%) and gravel clasts (5%). Limestone (fossiliferous) at 7'. Refusal.	664	CL		Dry	0.0	Refusal at 7'.
8, 9, 10, 11, 12, 13, 14, 15, 16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 6.25"

Total Depth Drilled: 7'

Sheet: 1 of 1

Borehole ID: BHGLTA056

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/08/98

Geologist: C Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
								Lithology only.
1		*Landfill* Surface debris, gravel w/ some plant fragments. Overlies clay mixed w/ asphalt. Gravel to cobble sized pieces. Odor. Refusal at 3'.		CL		Dry	0.0	
2								
3			-3					Refusal at 3'.
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 6.25"

Total Depth Drilled: 3'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA057

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/06/98

Geologist: R Wallace

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1, 2, 3, 4		*Clay w/ Silt and Sand* Dark clay w/ silt, coarse sand, and gravel (5%). Asphalt and limestone at 3.5-4' interval.	667	CL	80%	Dry	0.0	Lithology only.
5, 6, 7		*Clay w/ Silt and Sand* Dark clay w/ silt and wood fragments. Soft. 6-7' Dk gray clay w/ silt and fine sand grains.	664	CL	90%	Dry	0.0	
7, 8		*Limestone Gravel* LS gravel, some clasts 1" diameter, and some coarse sand grains. Refusal at 7.5'.	663	GC				Refusal at 7.5' bgs.
9, 10, 11, 12, 13, 14, 15, 16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 7.5'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA058

Project No: AFC005-CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/06/98

Geologist: C Williams

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1		*Silty Clay* Black silty clay w/ organics, med stiffness.	668	CL	90%	Dry	0.0	
2								
3		*Landfill/ Silty Sand w/ Gravel* Asphalt pieces from 2-2.5'. 2.5-4' Fine silty sand w/ LS gravel up to 1" diameter.	666	GM				
4								
5		*Limestone Gravel* Limestone gravel and one 3" piece of limestone (bedrock).	664	GP	20%	Dry	0.0	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 6'

Sheet: 1 of 1

HydroGeoLogic INC.

Borehole ID: *BHGLTA059*

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/06/98

Geologist: C Williams

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
		Silty Clay Black silty clay w/ organics.	666	CL				Lithology only.
1								
2				GM	20%	Dry	0.0	
3		*Silty Clay/Limestone Gravel* Black silty clay w/ organics in top 1'. Remaining limestone gravel w/ silty sand.	663					
4		Limestone gravel w/ silty sand.	662	GM				Refusal at 4.5'.
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 4.5'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: *BHGLTA060*

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/06/98

Geologist: M Gerber

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1								
2								
3				GC		Dry	0.0	All native. Not in landfill.
4		*Silty Clay w/ Sand and Gravel* Silty clay w/ coarse sand w/ large gravel (5cm). At 1.5' color change - weathered calcareous silty clay w/ pieces of limestone.						
5			-5					
6		*Silty Clay w/ Limestone* Silty clay w/ limestone pieces. Mottled 2.5YR 7/2 light gray.		CL		Dry	0.0	Refusal at 7'.
7			-7					
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 7'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA061

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/03/98

Geologist: M Gerber

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1				CL	40%	Dry	0.0	
2		*Clay w/ Limestone* Top 12" black stiff clay. Limestone pieces in base of spoon.						
3			668					Refusal at 3'.
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 3'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA062

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/03/98

Geologist: M Gerber

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
		Clay Top 12" 5Y 2.5 black stiff clay w/ organic material and a few very coarse sand/small pebbles.	670	CL				
1					50%	Dry	0.0	No odor. Not in landfill.
2		*Silt w/ Limestone* Sharp contact w/ 5Y 8/3 pale yellow silt containing 50% pieces of limestone (subangular, 1 to 5 cm in size).		GC				
3			668					Refusal at 3'. Limestone chips at bottom (bedrock?).
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 3'

Sheet: 1 of 1

Borehole ID: BHGLTA063

HYDRO GeoLogic INC.

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/08/98

Geologist: M Gerber

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1								
2				CL	90%	Dry	0.0	All native soils. Not in landfill.
3		*Silty Clay* Silty clay w/ some fine sand. At 2 ft silty clay w/ limestone gravel (2cm subrounded). Mottled, more gravel with depth.	659					
4								
5				CL	100%	Damp	0.0	
6		*Silty Clay w/ Gravel* Same as above - silty clay w/ 30% gravel (0.5 - 3 cm). Damp between 4 and 6 ft. Dry between 6 and 7ft.	656					
7								
8		*Silty Clay w/ Limestone* Stiff silty clay w/ gravel size weathered limestone fragments.	654	CL	100%	Dry	0.0	Refusal at 9'. End of boring.
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 9'

Sheet: 1 of 1

Borehole ID: BHGLTA064

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/08/98

Geologist: M Gerber

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1								Appears to be in native soil. No evidence of landfill.
2				GC	60%	Dry	0.0	
3		*Clay w/ Sand and Gravel* Stiff clay w/ fine sand and rounded gravel grading into weathered limestone gravel w/ fine - medium sand. 50% large limestone gravel (1-4 cm). Poorly sorted.						Refusal at 4'.
4			665					End of boring.
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 4'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA065

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/08/98

Geologist: C Williams

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1								
2				CL		Dry	0.0	
3		*Clay w/ Sand* Stiff clay w/ fine to medium sand. Black.	674					
4								
5		*Silty Clay w/ Limestone* Silty clay w/ fine to medium sand grains. Light brown. Gravel clast (1") at 5.5 ft, grading into weathered limestone gravel w/ fine sand.		CL		Dry	0.0	
6			672					Refusal at 6.5'. End of boring.
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 6.5'

Sheet: 1 of 1

Borehole ID: *BHGLTA066*

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 04/08/98

Geologist: M Gerber

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1								
2				CL	80%	Dry	0.0	Apparently all native soil. Not in landfill.
3		*Silty Clay* Silty clay w/ gravel, mottled, grading to stiff silty clay.						
4			679					
5								
6				CL	100%	Dry	0.0	
7		*Silty Clay w/ Limestone* Silty clay, stiff. Gravel present at 5.5 ft (weathered limestone). 7.5 to 8ft same as above - stiff silty clay, mottled.						Refusal at 8'.
8			675					End of boring.
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2.5"

Total Depth Drilled: 8'

Sheet: 1 of 1

HydroGeoLogic INC.

Borehole ID: BHGLTA067

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/8/98

Geologist: Gerber

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1–2		*Silty clay* Dark brown silty clay with 10% pebbles. Stiff.	677	CL	25%	Dry	0.0	
3–4		*Silty clay* Mottled silty clay with weathered limestone. Stiff, poorly sorted.	675	CL	25%	Dry	0.0	
5–6		*Silty clay* Mottled silty clay with weathered limestone. Stiff, poorly sorted.	673	CL	100%	Dry	0.0	Refusal at 6'
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD-2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 6'

Sheet: 1 of 1

HydroGeoLogic INC.

Borehole ID: BHGLTA068

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/8/98

Geologist: Gerber

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1 2 3		*Silty clay* Dark silty clay with fine to med. grained sand. Stiff.	672	CL	80%	Dry	0.0	
4 5 6		*Silty clay* Light silty clay with weathered limestone pieces. No sorting.	669	CL	80%	Dry	0.0	Refusal at 6'
7 8 9 10 11 12 13 14 15 16								

Drilled By: Precision

Drill Method: DPT

Drilling Equipment: XD-2

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 6'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: *BHGLTA06g*

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/8/98

Geologist: Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1		*Silty Clay* 2.5Y 7/3 pale yellow silty clay w/ coarse sand and fine gravel.	669			Dry	0.0	
2		*Landfill* 2.5 Y 7/3 pale yellow clay mixed with asphalt (gravel to cobble size).	667			Dry	0.0	Refusal at 3.5'
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 3.5'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: *BHGLTA070*

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/8/98

Geologist: Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1								
2		*Silty clay* 10 YR 7/3 very pale brown silty clay with cobbles (<5%), fine gravel (<5%), and some coarse sand grains (10%). Gravel sized asphalt pieces at 2'. Sharp contact with silty clay and asphalt pieces.		CL		Dry	0.0	Odor in asphalt Refusal at 5' - limestone
3								
4								
5			665					
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 5'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA071

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/8/98

Geologist: Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1		*Silty clay* 2.5 Y 7/3 pale yellow silty clay with fine gravel and cobbles.	668	CL		Dry	0.0	
2		*Silty clay* Sharp contact with 2.5 Y 2.5/1 black stiff silty clay containing some coarse grained sand.	666	CL		Damp	0.0	
3								
4								
5		*Platy limestone* Platy weathered limestone with clay. Chalky silty, with med. grained sand fraction (10-15%). Mottled.		NA		Wet	0.0	Refusal at 8'
6								
7								
8			661					
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 8'

Sheet: 1 of 1

HydroGeoLogic INC.

Borehole ID: *BHGLTA072*

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/8/98

Geologist: Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1 2 3 4 5		*Silty clay* 10 YR 8/2 and 7/2 very pale brown silty clay grades to 10 YR 2/1 black stiff clay with 10% coarse sand.	663	CL		Dry	0.0	
6 7		*Silty clay* 10 YR 4/2 dark greyish brown silty clay with 10% coarse sand. Grades to a mottled clayey limestone with some fine gravels.	661	CL		Dry	0.0	Refusal at 7' Out of landfill.
8 9 10 11 12 13 14 15 16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 7'

Sheet: 1 of 1

HydroGeoLogic INC.

Borehole ID: *BHGLTA073*

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/9/98

Geologist: Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1–2		*Silty clay* 2.5 Y 8/4 and 8/6 pale yellow to yellow silty clay with 5% coarse sand and (<5%) fine gravel.	668	CL		Dry	0.0	Hydrocarbon odor noted with asphalt.
3–4		*Silty clay* Mottled 10 YR 4/1 dark grey and 3/6 dark yellowish brown silty clay with pieces of concrete. Low plasticity.	666	CL		Damp	0.0	
5–6		*Silty clay* 10 YR 8/1 white silty clay.	664	CL		Wet	0.0	
7–8		*Silty clay* 2.5 Y 5/2 greyish brown to 2.5 Y 5/1 grey silty clay w/ asphalt and pieces of concrete.	662	CL		Wet	0.0	Asphalt and concrete
9–16		*Clay* Clay with some sand. Asphalt and wood debris scattered thoughout. Asphalt pieces range from coarse grain to cobble size. Majority of wood debris in lower 2 ft.	654	CL		Wet	0.0	Gravel and cobble sized asphalt pieces Refusal at 16'

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 16'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: *BHGLTA074*

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/9/98

Geologist: C Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1		*Silty clay* 10 YR 7/4 pale brown and 7/6 yellow silty clay with 10% coarse sand. (<5%) gravel and limestone cobbles. Grades to 10 YR 8/1 white platy clay with limestone, coarse sand, and gravel.		CL		Dry	0.0	Refusal at 3'
2								
3			667					
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 3'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA075

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/9/98

Geologist: C Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1 2 3		*Silty clay* Silty clay with 10% coarse sand, <5% fine gravel clasts, and cobbles. Small pieces of asphalt at 1.5ft.	667	CL		Dry	0.0	Asphalt and wood debris Slight hydrocarbon odor Refusal at 3'. Large pieces of wood debris. Bent the end of the shelby tube. Slight odor. Still on the fringe of the landfill.
4 5 6 7 8 9 10 11 12 13 14 15 16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 3'

Sheet: 1 of 1

Borehole ID: BHGLTA076

HYDRO GeoLogic INC.

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/9/98

Geologist: C Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1–2		*Silty clay* 10 YR 7/4 and 7/6 pale brown yellow silty clay with pieces of fine gravel, and coarse sand.	669	CL	20%	Dry	0.0	Asphalt debris
3–4		*Silty clay* 10 YR 7/4 and 7/6 pale brown yellow silty clay w/ asphalt pieces.	667	CL	20%	Dry	0.0	Asphalt gravel
5–8		*Silty clay* Sharp contact with 5 YR 2.5 /2 dark reddish brown stiff silty clay with 10% fine gravel and some cobbles.	663	CL	20%	Dry	0.0	
9–10		*Silty clay* 10 YR 8/3 very pale brown silty clay with weathered limestone pieces and fine gravel.	661	CL	20%	Damp	0.0	
11–12		*Limestone* Grades to a stiff clay with weathered limestone pieces. Platy limestone at base. Refusal.	659	NA	20%	Wet	0.0	Refusal at 12' Edge of landfill.
13–16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 12'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA077

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/9/98

Geologist: C Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1		*Silty clay* 10 YR 2/2 very dark brown with 4/6 dark yellowish brown stiff silty clay with small-med. size gravel.	668	CL		Dry	0.0	Asphalt crystals
2								
3		*Silty clay* 10 YR 2/2 and 4/6 very dark brown with dark yellowish brown stiff silty clay with gravel.	666	CL				
4								
5		*Silty clay* Same as above but with 20-30% gravel, up to 1.5" in diameter.				Dry	0.0	
6								
7				CL				
8						Damp	0.0	
9								
10			660					
11		*Clay* Silty clay grades to 2.5 Y 7/3 to 7/6 pale yellow to yellow stiff clay with weathered limestone and a few spots of chalk (10%).		CL		Dry	0.0	Refusal at 12'
12			658					
13								
14								
15								
16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 12'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA078

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/9/98

Geologist: Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1–2		*Clay* 10 YR 8/1 -8/2 white to pale brown clay with weathered limestone and chalk. Stiff. Grading into 10 YR 3/6 dark yellowish brown semi-soft silty clay with 20% coarse grained sand and small gravel.	666	CL		Dry	0.0	
3–6		*Silty clay* 10 YR 3/6 dark yellow brown silty clay with 30-40% coarse grained sand. Semi-soft and pliable.	662	CL		Dry	0.0	
7–10		*Clay* 10 YR 8/6 yellow and 7/2 light grey clay with weathered limestone and chalk. Mottled, soft, pliable.	658	CL		Damp	0.0	Refusal at 10'
11–16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 10'

Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLTA079

Project No: AFC001-05CDE

Project: NAS FTW Landfill RFI

Client: AFCEE

Location: LF-10

Date: 4/9/98

Geologist: C Kennedy

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	Vapour (ppm)	Remarks
1		*Cobbles and fine gravel* 10 YR 8/1 white limestone cobbles with fine gravel and some topsoil.		GP		Dry	0.0	No odor.
2			667					
3		*Gravelly clay* 10 YR 7/3 very pale brown stiff gravelly clay with 10% silt, 15% coarse sands, and limestone cobbles. Base of this interval 1 YR 3/1 very dark grey stiff coarse sandy clay. Mottled.		GC		Dry	0.0	
4			665					
5								
6		*Silty clay* Silty clay with fine to coarse gravel (20%) and coarse sand. Mottled.		CL		Dry	0.0	
7								
8			661					
9		*Clay* Sharp contact with 10 YR 3/1 very dark grey stiff to soft clay with weathered limestone pieces.		CL		Dry	0.0	Refusal at 10' - limestone bedrock Out of landfill.
10			659					
11								
12								
13								
14								
15								
16								

Drilled By: Environmental Drillers

Drill Method: DPT

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"

Total Depth Drilled: 10'

Sheet: 1 of 1

TAB

Appendix C

APPENDIX C

ANALYTICAL DATA SUMMARY TABLES

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA051-00'	BHGLTA051-05'	BHGLTA052-00'	BHGLTA052-05'	BHGLTA052-10'	BHGLTA053-00'
SW6010	Antimony	7.9 U	7.6 U	7.9 UJ	8.7 UJ	8.7 UJ	8 UJ
SW6010	Arsenic	2.3 F	45.3 U	3 F	4.6 F	52.2 U	2.8 F
SW6010	Barium	116	34.5	55.5	62.4	164	45.9
SW6010	Beryllium	0.87 U	0.23 U	0.6	0.61	1.4	0.55
SW6010	Cadmium	0.35 F	3 U	3.2 U	3.5 U	3.5 U	3.2 U
SW6010	Chromium (total)	19.1	10.4	14.3	14.4	28.1	13.8
SW6010	Cobalt	4.8 F	5.3 U	2.3 F	2.9 F	7.6	1.9 F
SW6010	Copper	9	3.5 F	5.3	3.4 F	6.7	3.8 F
SW6010	Lead	12.8 F	14.2 F	8.1 F	7 F	12.4 F	7.6 F
SW6010	Nickel	11.8 F	5.7 F	7.5 F	8.1 F	15.9	6.8 F
SW6010	Selenium	15.8 F	5.1 F	63.2 U	69.5 U	69.6 U	64.3 U
SW6010	Silver	5.5 U	5.3 U	5.7 U	6.1 U	6.9 U	6.1 U
SW6010	Thallium	8.1 F	5.6 F	8.2 F	7.3 F	17.5 F	8.9 F
SW6010	Tin	7.9 U	7.6 U	7.9 U	8.7 U	8.7 U	8 U
SW6010	Vanadium	34.7	19.5	29.2	32.1	53.7	28.3
SW6010	Zinc	32.4	16.6	22.2	18.2	36	16.9
SW7471	Mercury	0.03 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
SW8081	Aldrin	15 U	160 U	16 U	3.5 U	3.6 U	16 U
SW8081	alpha-BHC (alpha-hexachlorocyclohexane)	10 U	110 U	11 U	2.4 U	2.4 U	11 U
SW8081	alpha-Chlordane	77 U	810 U	81 U	18 U	18 U	82 U
SW8081	alpha-Endosulfan (Endosulfan I)	46 U	480 U	49 U	11 U	11 U	50 U
SW8081	beta-BHC (beta-hexachlorocyclohexane)	20 U	220 U	22 U	4.7 U	4.8 U	22 U
SW8081	beta-Endosulfan (Endosulfan II)	15 U	160 U	16 U	3.5 U	3.6 U	16 U
SW8081	Chlordane	46 U	480 U	49 U	11 U	11 U	50 U
SW8081	delta-BHC (delta-hexachlorocyclohexane)	31 U	320 U	32 U	7.1 U	7.2 U	33 U
SW8081	Dieldrin	51 U	540 U	54 U	12 U	12 U	55 U
SW8081	Endosulfan sulfate	200 U	2200 U	220 U	47 U	48 U	220 U
SW8081	Endrin	20 U	220 U	22 U	4.7 U	4.8 U	22 U
SW8081	Endrin aldehyde	100 U	1100 U	110 U	24 U	24 U	110 U
SW8081	gamma-BHC (Lindane)	15 U	160 U	16 U	3.5 U	3.6 U	16 U
SW8081	gamma-Chlordane	77 U	810 U	81 U	18 U	18 U	82 U
SW8081	Heptachlor	10 U	110 U	11 U	2.4 U	2.4 U	11 U
SW8081	Heptachlor epoxide	310 U	3200 U	320 U	71 U	72 U	330 U

512 107

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA051-00'	BHGLTA051-05'	BHGLTA052-00'	BHGLTA052-05'	BHGLTA052-10'	BHGLTA053-00'
SW8081	Isodrin	20 U	220 U	22 U	4.7 U	4.8 U	22 U
SW8081	Kepone	420 U	4500 U	450 U	98 U	100 U	460 U
SW8081	Methoxychlor	510 U	5400 U	540 R	120 R	120 R	550 U
SW8081	p,p'-DDD (4,4'-DDD)	36 U	380 U	38 U	8.2 U	8.4 U	38 U
SW8081	p,p'-DDE (4,4'-DDE)	15 U	160 U	16 U	3.5 U	3.6 U	16 U
SW8081	p,p'-DDT (4,4'-DDT)	41 U	430 U	43 U	9.4 U	9.6 U	44 U
SW8081	PCB-1016 (Arochlor 1016)	5100 U	54000 U	5400 U	1200 U	1200 U	5500 U
SW8081	PCB-1221 (Arochlor 1221)	5100 U	54000 U	5400 U	1200 U	1200 U	5500 U
SW8081	PCB-1232 (Arochlor 1232)	5100 U	54000 U	5400 U	1200 U	1200 U	5500 U
SW8081	PCB-1242 (Arochlor 1242)	5100 U	54000 U	5400 U	1200 U	1200 U	5500 U
SW8081	PCB-1248 (Arochlor 1248)	5100 U	54000 U	5400 U	1200 U	1200 U	5500 U
SW8081	PCB-1254 (Arochlor 1254)	5100 U	54000 U	5400 U	1200 U	1200 U	5500 U
SW8081	PCB-1260 (Arochlor 1260)	5100 U	54000 U	5400 U	1200 U	1200 U	5500 U
SW8081	Toxaphene	1000 U	11000 U	1100 U	240 U	240 U	1100 U
SW8141	Dimethoate	68 U	72 UJ	72 UJ	78 UJ	80 UJ	73 UJ
SW8141	Disulfoton	68 U	72 UJ	72 UJ	78 U	80 U	73 UJ
SW8141	Famphur	68 U	72 UJ	72 UJ	78 U	80 U	73 UJ
SW8141	O,O,O-Triethyl phosphorothioate	68 U	72 UJ	72 UJ	78 U	80 U	73 UJ
SW8141	Parathion, ethyl	68 U	72 UJ	72 UJ	78 U	80 U	73 UJ
SW8141	Parathion, methyl	68 U	72 UJ	72 UJ	78 U	80 U	73 UJ
SW8141	Phorate	68 U	72 UJ	72 UJ	78 U	80 U	73 UJ
SW8141	Thiodiphosphoric acid, tetraethyl ester (Sulfotep)	68 U	72 UJ	72 UJ	78 U	80 U	73 UJ
SW8141	Zinophos (Thionazin)	68 U	72 UJ	72 UJ	78 U	80 U	73 UJ
SW8151	2,4,5-T (trichlorophenoxyacetic acid)	34 U	36 U	36 UJ	39 U	40 U	36 U
SW8151	2,4-D (dichlorophenoxyacetic acid)	340 U	360 U	360 UJ	390 U	400 U	360 U
SW8151	Silvex (2,4,5-TP)	34 U	36 U	36 UJ	39 U	40 U	36 U
SW8260	1,1,1,2-Tetrachloroethane	3 U	3 U	3 U	4 U	4 U	3 U
SW8260	1,1,1-Trichloroethane	4 U	4 U	4 U	5 U	5 U	4 U
SW8260	1,1,2,2-Tetrachloroethane	2 U	2 U	2 U	2 U	2 U	2 R
SW8260	1,1,2-Trichloroethane	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	1,1-Dichloroethane	2 U	2 U	2 U	2 U	2 U	2 U
SW8260	1,1-Dichloroethene	5 U	5 U	5 U	6 U	6 U	6 U

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA051-00'	BHGLTA051-05'	BHGLTA052-00'	BHGLTA052-05'	BHGLTA052-10'	BHGLTA053-00'
SW8260	1,2,3-Trichloropropane	5 U	5 U	5 U	6 U	6 U	6 R
SW8260	1,2-Dibromo-3-chloropropane	5 R	5 R	5 R	6 R	6 R	6 R
SW8260	1,2-Dibromoethane (ethylene dibromide)	3 R	3 R	3 R	4 R	4 R	3 R
SW8260	1,2-Dichloroethane	3 U	3 U	3 U	4 U	4 U	3 U
SW8260	1,2-Dichloroethene, cis-	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	1,2-Dichloroethene, trans-	3 U	3 U	3 U	4 U	4 U	3 U
SW8260	1,2-Dichloropropane	2 U	2 U	2 U	2 U	2 U	2 U
SW8260	2-Chloro-1,3-butadiene (chloroprene)	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	2-Hexanone	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Acetone	5 U	5 U	5 U	6 U	23	6 U
SW8260	Acetonitrile	42 U	44 U	44 U	48 U	49 U	44 U
SW8260	Acrolein	100 U	110 U	110 U	120 U	120 U	110 U
SW8260	Acrylonitrile	42 U	44 U	44 U	48 U	49 U	44 U
SW8260	Allyl chloride (3-chloropropene)	10 U	11 U	11 U	12 U	12 U	11 U
SW8260	Benzene	2 U	2 U	2 U	2 U	2 U	2 U
SW8260	Bromodichloromethane	4 U	4 U	4 U	5 U	5 U	4 U
SW8260	Bromoform	5 R	5 R	5 R	6 R	6 R	6 R
SW8260	Bromomethane	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Carbon disulfide	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Carbon tetrachloride	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Chlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U
SW8260	Chloroethane	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Chloroform	2 U	2 U	2 U	2 U	2 U	2 U
SW8260	Chloromethane	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	cis-1,3-Dichloropropene	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Dibromochloromethane	3 U	3 U	3 U	4 U	4 U	3 R
SW8260	Dibromomethane	5 R	5 R	5 R	6 R	6 R	6 U
SW8260	Dichlorodifluoromethane	5 U	5 U	5 U	6 U	6 U	6 R
SW8260	Ethyl methacrylate	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Ethylbenzene	3 U	3 U	3 U	4 U	4 U	3 U
SW8260	Iodomethane (methyl iodide)	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Isobutanol	210 U	220 U	220 U	240 U	240 U	220 U
SW8260	m-Xylene (1,3-dimethylbenzene)	5 U	5 U	5 U	6 U	6 U	6 U

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA051-00'	BHGLTA051-05'	BHGLTA052-00'	BHGLTA052-05'	BHGLTA052-10'	BHGLTA053-00'
SW8260	Methyl ethyl ketone (2-butanone)	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Methyl isobutyl ketone (4-methyl-2-pentanone)	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Methyl methacrylate	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Methylacrylonitrile	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Methylene chloride	2 U	2 U	2 U	2 U	2 U	2 U
SW8260	o-Xylene (1,2-dimethylbenzene)	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Pentachloroethane	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Propane nitrile (propionitrile)	21 U	22 U	22 U	24 U	24 U	22 U
SW8260	Styrene	2 U	2 U	2 U	2 U	2 U	2 U
SW8260	Tetrachloroethene (PCE)	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Toluene	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	trans-1,3-Dichloropropene	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	trans-1,4-Dichloro-2-butene	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Trichloroethene (TCE)	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Trichlorofluoromethane	4 U	4 U	4 U	5 U	5 U	4 U
SW8260	Vinyl acetate	5 U	5 U	5 U	6 U	6 U	6 U
SW8260	Vinyl chloride	5 U	5 U	5 U	6 U	6 U	6 U
SW8270	1,2,4,5-Tetrachlorobenzene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	1,2,4-Trichlorobenzene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	1,2-Dichlorobenzene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	1,3,5-Trinitrobenzene (sym-trinitrobenzene)	1700 U	1800 U	1800 U	2000 U	2000 U	1800 U
SW8270	1,3-Dichlorobenzene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	1,3-Dinitrobenzene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	1,4-Dichlorobenzene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	1,4-Dioxane (p-dioxane)	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	1,4-Naphthoquinone	3400 U	3500 U	3600 U	4000 U	4100 U	3600 U
SW8270	1-Naphthylamine	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	2,2'-Oxybis(1-chloro)propane	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	2,3,4,6-Tetrachlorophenol	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	2,4,5-Trichlorophenol	1700 U	1800 U	1800 U	2000 U	2000 U	1800 U
SW8270	2,4,6-Trichlorophenol	340 U	350 U	360 U	400 U	410 U	360 U

512 110

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA051-00'	BHGLTA051-05'	BHGLTA052-00'	BHGLTA052-05'	BHGLTA052-10'	BHGLTA053-00'
SW8270	2,4-Dichlorophenol	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	2,4-Dimethylphenol	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	2,4-Dinitrophenol	1700 R	1800 R	1800 U	2000 U	2000 U	1800 U
SW8270	2,4-Dinitrotoluene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	2,6-Dichlorophenol	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	2,6-Dinitrotoluene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	2-Acetylaminofluorene	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	2-Aminonaphthalene (beta-naphthylamine)	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	2-Chloronaphthalene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	2-Chlorophenol	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	2-Methylnaphthalene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	2-Nitroaniline	1700 U	1800 U	1800 U	2000 U	2000 U	1800 U
SW8270	2-Nitrophenol	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	2-Picoline (alpha-picoline)	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	3,3'-Dichlorobenzidine	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	3,3'-Dimethylbenzidine	1700 U	1800 U	1800 U	2000 U	2000 U	1800 U
SW8270	3-Methylcholanthrene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	3-Nitroaniline	1700 R	1800 R	1800 U	2000 U	2000 U	1800 U
SW8270	4,6-Dinitro-2-methylphenol	1700 U	1800 U	1800 U	2000 U	2000 U	1800 U
SW8270	4-Aminobiphenyl (4-biphenylamine)	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	4-Bromophenyl phenyl ether	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	4-Chloro-3-methylphenol	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	4-Chloroaniline	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	4-Chlorophenyl phenyl ether	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	4-Nitroaniline	1700 R	1800 R	1800 U	2000 U	2000 U	1800 U
SW8270	4-Nitrophenol	1700 U	1800 U	1800 U	2000 U	2000 U	1800 U
SW8270	4-Nitroquinoline-N-oxide	1700 U	1800 U	1800 U	2000 U	2000 U	1800 U
SW8270	5-Nitro-o-toluidine	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	7,12-Dimethylbenzo(a)anthracene	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	Acenaphthene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Acenaphthylene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Acetophenone	680 U	710 U	720 U	790 U	810 U	730 U

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA051-00'	BHGLTA051-05'	BHGLTA052-00'	BHGLTA052-05'	BHGLTA052-10'	BHGLTA053-00'
SW8270	alpha, alpha-Dimethylphenethylamine	1700 U	1800 U	1800 U	2000 U	2000 U	1800 U
SW8270	Aniline (phenylamine, aminobenzene)	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Anthracene	340 U	44 F	360 U	400 U	410 U	360 U
SW8270	Aramite (total)	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	Benzo(a)anthracene	340 U	160 F	360 U	49 F	410 U	150 F
SW8270	Benzo(a)pyrene	340 U	240 F	57 F	45 F	410 U	180 F
SW8270	Benzo(b)fluoranthene	340 U	340 F	71 F	77 F	410 U	260 F
SW8270	Benzo(g,h,i)perylene	340 U	160 F	51 F	400 U	410 U	120 F
SW8270	Benzo(k)fluoranthene	340 U	140 F	360 U	42 F	410 U	120 F
SW8270	Benzoic acid	1700 R	1800 R	1800 U	2000 U	2000 U	1800 U
SW8270	Benzyl alcohol	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Benzyl butyl phthalate	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	bis(2-Chloroethoxy)methane	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	bis(2-Chloroethyl)ether (2-chloroethyl ether)	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	bis(2-Ethylhexyl)phthalate	130 F	96 F	360 U	130 F	410 U	360 U
SW8270	Chlorobenzilate	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Chrysene	340 U	230 F	39 F	54 F	410 U	170 F
SW8270	Di-n-butyl phthalate	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Di-n-octyl phthalate	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Diallate (total of cis and trans isomers)	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Dibenz(a,h)anthracene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Dibenzofuran	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Diethyl phthalate	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Dimethyl phthalate	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Dinoseb	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	Diphenylamine	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Ethyl methanesulfonate	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	Fluoranthene	340 U	290 F	360 U	400 U	410 U	81 F
SW8270	Fluorene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Hexachlorobenzene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Hexachlorobutadiene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Hexachlorocyclopentadiene	340 U	350 U	360 U	400 U	410 U	360 U

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA051-00'	BHGLTA051-05'	BHGLTA052-00'	BHGLTA052-05'	BHGLTA052-10'	BHGLTA053-00'
SW8270	Hexachloroethane	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Hexachlorophene	3400 U	3500 U	3600 U	4000 U	4100 U	3600 U
SW8270	Hexachloropropene	1700 U	1800 U	1800 U	2000 U	2000 U	1800 U
SW8270	Indeno(1,2,3-c,d)pyrene	340 U	290 F	47 F	400 U	410 U	120 F
SW8270	Isophorone	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Isosafrole	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	m- & p-Cresol (sum of isomers)	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Methapyrilene	850 U	880 U	890 U	990 U	1000 U	910 U
SW8270	Methyl methanesulfonate	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	N-Nitrosodi-n-butylamine	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	N-Nitrosodi-n-propylamine	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	N-Nitrosodiethylamine	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	N-Nitrosodimethylamine	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	N-Nitrosodiphenylamine	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	N-Nitrosomorpholine	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	N-Nitrosopiperidine	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	N-Nitrosopyrrolidine	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	Naphthalene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Nitrobenzene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Nitrosomethylethylamine	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	o-Cresol (2-methylphenol)	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	o-Toluidine	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	p-Dimethylaminoazobenzene	680 U	710 U	720 U	790 U	810 U	730 U
SW8270	p-Phenylenediamine	5100 U	5300 U	5400 U	6000 U	6100 U	5500 U
SW8270	Pentachlorobenzene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Pentachloronitrobenzene	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Pentachlorophenol	1700 U	1800 U	1800 U	2000 U	2000 U	1800 U
SW8270	Phenacetin	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Phenanthrene	340 U	140 F	360 U	400 U	410 U	130 F
SW8270	Phenol	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Pronamide	340 U	350 U	360 U	400 U	410 U	360 U
SW8270	Pyrene	340 U	280 F	360 U	400 U	410 U	180 F
SW8270	Pyridine	680 U	710 U	720 U	790 U	810 U	730 U

512 113

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA051-00'	BHGLTA051-05'	BHGLTA052-00'	BHGLTA052-05'	BHGLTA052-10'	BHGLTA053-00'
SW8270	Safrole	340 U	350 U	360 U	400 U	410 U	360 U
SW8280	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.03 U	0.04 U	0.03 U	0.06 U	0.04 U	0.02 U
SW8280	2,3,7,8-Tetrachlorodibenzofuran	0.03 U	0.04 U	0.02 U	0.06 U	0.04 U	0.02 U
SW9010	Cyanide	0.44 U	0.35 U	0.42 U	0.53 U	0.61 U	0.33 U
SW9030	Sulfide	26.2 SU	26.2 SU	55.1 S	34.9 S	30.7 SU	27.5 SU

Data Qualifiers:

J = This analyte was positively identified, but the quantitation is an estimation.

U = The analyte was analyzed for, but not detected.
The associated numerical value is at or below the MQL.

F = The analyte was positively identified, but the associated numerical value is below the MQL.

R = The data are unusable due to deficiences in the ability to analyze the sample and meet QC criteria.

UJ = The analyte was analyzed for but not detected. The associated numerical value is a MQL which is estimated due to deficiencies in the QC criteria.

S = Screening data.

512 114

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA053-05'	BHGLTA054-00'	BHGLTA054-00' DUP01	BHGLTA054-05'	BHGLTA054-10'
SW6010	Antimony	8.4 UJ	7.2 UJ	7.3 UJ	9.4 UJ	8.9 UJ
SW6010	Arsenic	6 F	43.5 U	3 F	56.5 U	53.3 U
SW6010	Barium	36.5	33.5	32.1	79.6	172
SW6010	Beryllium	0.82	0.44	0.48	0.73	0.62
SW6010	Cadmium	3.4 U	2.9 U	2.9 U	3.8 U	3.6 U
SW6010	Chromium (total)	15.8	11.2	11	14.7	14
SW6010	Cobalt	1.3 F	1.4 F	1.7 F	3.9 F	3.4 F
SW6010	Copper	3.4 F	2.5 F	2.5 F	3.5 F	3.9 F
SW6010	Lead	7.4 F	5.2 F	5 F	6.4 F	5.5 F
SW6010	Nickel	10.7 F	5.4 F	5.5 F	8.9 F	9.1 F
SW6010	Selenium	67.4 U	58 U	58.5 U	75.4 U	71 U
SW6010	Silver	6.6 U	5.1 U	5.5 U	5.5 U	6.2 U
SW6010	Thallium	13 F	8.7 F	6.7 F	37.7 U	9.3 F
SW6010	Tin	8.4 U	7.2 U	7.3 U	9.4 U	8.9 U
SW6010	Vanadium	32.2	24	29.6	42.9	28.6
SW6010	Zinc	18.7	12.7	11.8	17.8	12.3
SW7471	Mercury	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
SW8081	Aldrin	3.6 U	3.1 U	3.2 U	3.5 U	3.5 U
SW8081	alpha-BHC (alpha-hexachlorocyclohexane)	2.4 U	2.1 U	2.1 U	2.3 U	2.3 U
SW8081	alpha-Chlordane	18 U	16 U	16 U	17 U	17 U
SW8081	alpha-Endosulfan (Endosulfan I)	11 U	9.4 U	9.5 U	10 U	10 U
SW8081	beta-BHC (beta-hexachlorocyclohexane)	4.9 U	4.2 U	4.2 U	4.6 U	4.6 U
SW8081	beta-Endosulfan (Endosulfan II)	3.6 U	3.1 U	3.2 U	3.5 U	3.5 U
SW8081	Chlordane	11 U	9.4 U	9.5 U	10 U	10 U
SW8081	delta-BHC (delta-hexachlorocyclohexane)	7.3 U	6.3 U	6.4 U	7 U	7 U
SW8081	Dieldrin	12 U	10 U	11 U	12 U	12 U
SW8081	Endosulfan sulfate	49 U	42 U	42 U	46 U	46 U
SW8081	Endrin	4.9 U	4.2 U	4.2 U	4.6 U	4.6 U
SW8081	Endrin aldehyde	24 U	21 U	21 U	23 U	23 U
SW8081	gamma-BHC (Lindane)	3.6 U	3.1 U	3.2 U	3.5 U	3.5 U
SW8081	gamma-Chlordane	18 U	16 U	16 U	17 U	17 U
SW8081	Heptachlor	2.4 U	2.1 U	2.1 U	2.3 U	2.3 U
SW8081	Heptachlor epoxide	73 U	63 U	64 U	70 U	70 U

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA053-05'	BHGLTA054-00'	BHGLTA054-00' DUP01	BHGLTA054-05'	BHGLTA054-10'
SW8081	Isodrin	4.9 U	4.2 U	4.2 U	4.6 U	4.6 U
SW8081	Kepone	100 U	87 U	88 U	97 U	97 U
SW8081	Methoxychlor	120 R	100 R	110 R	120 R	120 R
SW8081	p,p'-DDD (4,4'-DDD)	8.5 U	7.3 U	7.4 U	8.2 U	8.1 U
SW8081	p,p'-DDE (4,4'-DDE)	3.6 U	3.1 U	3.2 U	3.5 U	3.5 U
SW8081	p,p'-DDT (4,4'-DDT)	9.7 U	8.4 U	8.5 U	9.3 U	9.3 U
SW8081	PCB-1016 (Arochlor 1016)	1200 U	1000 U	1100 U	1200 U	1200 U
SW8081	PCB-1221 (Arochlor 1221)	1200 U	1000 U	1100 U	1200 U	1200 U
SW8081	PCB-1232 (Arochlor 1232)	1200 U	1000 U	1100 U	1200 U	1200 U
SW8081	PCB-1242 (Arochlor 1242)	1200 U	1000 U	1100 U	1200 U	1200 U
SW8081	PCB-1248 (Arochlor 1248)	1200 U	1000 U	1100 U	1200 U	1200 U
SW8081	PCB-1254 (Arochlor 1254)	1200 U	1000 U	1100 U	1200 U	1200 U
SW8081	PCB-1260 (Arochlor 1260)	1200 U	1000 U	1100 U	1200 U	1200 U
SW8081	Toxaphene	240 U	210 U	210 U	230 U	230 U
SW8141	Dimethoate	81 UJ	70 UJ	71 UJ	78 UJ	77 UJ
SW8141	Disulfoton	81 U	70 U	71 U	78 U	77 U
SW8141	Famphur	81 U	70 U	71 U	78 U	77 U
SW8141	O,O,O-Triethyl phosphorothioate	81 U	70 U	71 U	78 U	77 U
SW8141	Parathion, ethyl	81 U	70 U	71 U	78 U	77 U
SW8141	Parathion, methyl	81 U	70 U	71 U	78 U	77 U
SW8141	Phorate	81 U	70 U	71 U	78 U	77 U
SW8141	Thiodiphosphoric acid, tetraethyl ester (Sulfotep)	81 U	70 U	71 U	78 U	77 U
SW8141	Zinophos (Thionazin)	81 U	70 U	71 U	78 U	77 U
SW8151	2,4,5-T (trichlorophenoxyacetic acid)	40 U	35 U	35 U	39 U	38 U
SW8151	2,4-D (dichlorophenoxyacetic acid)	400 U	350 U	350 U	390 U	380 U
SW8151	Silvex (2,4,5-TP)	40 U	35 U	35 U	39 U	38 U
SW8260	1,1,1,2-Tetrachloroethane	4 U	3 U	3 U	4 U	4 U
SW8260	1,1,1-Trichloroethane	5 U	4 U	4 U	5 U	5 U
SW8260	1,1,2,2-Tetrachloroethane	2 U	2 U	2 R	2 R	2 R
SW8260	1,1,2-Trichloroethane	6 U	5 U	5 U	6 U	6 U
SW8260	1,1-Dichloroethane	2 U	2 U	2 U	2 U	2 U
SW8260	1,1-Dichloroethene	6 U	5 U	5 U	6 U	6 U

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA053-05'	BHGLTA054-00'	BHGLTA054-00' DUP01	BHGLTA054-05'	BHGLTA054-10'
SW8260	1,2,3-Trichloropropane	6 U	5 U	5 R	6 R	6 R
SW8260	1,2-Dibromo-3-chloropropane	6 R	5 R	5 R	6 R	6 R
SW8260	1,2-Dibromoethane (ethylene dibromide)	4 R	3 R	3 R	4 R	4 R
SW8260	1,2-Dichloroethane	4 U	3 U	3 U	4 U	4 U
SW8260	1,2-Dichloroethene, cis-	6 U	5 U	5 U	6 U	6 U
SW8260	1,2-Dichloroethene, trans-	4 U	3 U	3 U	4 U	4 U
SW8260	1,2-Dichloropropane	2 U	2 U	2 U	2 U	2 U
SW8260	2-Chloro-1,3-butadiene (chloroprene)	6 U	5 U	5 U	6 U	6 U
SW8260	2-Hexanone	6 U	5 U	5 U	6 U	6 U
SW8260	Acetone	6 U	5 U	5 U	6 U	16 U
SW8260	Acetonitrile	50 U	43 U	43 U	47 U	47 U
SW8260	Acrolein	120 U	110 U	110 U	120 U	120 U
SW8260	Acrylonitrile	50 U	43 U	43 U	47 U	47 U
SW8260	Allyl chloride (3-chloropropene)	12 U	11 U	11 U	12 U	12 U
SW8260	Benzene	2 U	2 U	2 U	2 U	2 U
SW8260	Bromodichloromethane	5 U	4 U	4 U	5 U	5 U
SW8260	Bromoform	6 R	5 R	5 R	6 R	6 R
SW8260	Bromomethane	6 U	5 U	5 U	6 U	6 U
SW8260	Carbon disulfide	6 U	5 U	5 U	6 U	6 U
SW8260	Carbon tetrachloride	6 U	5 U	5 U	6 U	6 U
SW8260	Chlorobenzene	2 U	2 U	2 U	2 U	2 U
SW8260	Chloroethane	6 U	5 U	5 U	6 U	6 U
SW8260	Chloroform	2 U	2 U	2 U	2 U	2 U
SW8260	Chloromethane	6 U	5 U	5 U	6 U	6 U
SW8260	cis-1,3-Dichloropropene	6 U	5 U	5 U	6 U	6 U
SW8260	Dibromochloromethane	4 U	3 U	3 R	4 R	4 R
SW8260	Dibromomethane	6 R	5 R	5 U	6 U	6 U
SW8260	Dichlorodifluoromethane	6 U	5 U	5 R	6 R	6 R
SW8260	Ethyl methacrylate	6 U	5 U	5 U	6 U	6 U
SW8260	Ethylbenzene	4 U	3 U	3 U	4 U	4 U
SW8260	Iodomethane (methyl iodide)	6 U	5 U	5 U	6 U	6 U
SW8260	Isobutanol	250 U	210 U	210 U	230 U	230 U
SW8260	m-Xylene (1,3-dimethylbenzene)	6 U	5 U	5 U	6 U	6 U

512 117

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA053-05'	BHGLTA054-00'	BHGLTA054-00' DUP01	BHGLTA054-05'	BHGLTA054-10'
SW8260	Methyl ethyl ketone (2-butanone)	6 U	5 U	5 U	6 U	6 U
SW8260	Methyl isobutyl ketone (4-methyl-2-pentanone)	6 U	5 U	5 U	6 U	6 U
SW8260	Methyl methacrylate	6 U	5 U	5 U	6 U	6 U
SW8260	Methylacrylonitrile	6 U	5 U	5 U	6 U	6 U
SW8260	Methylene chloride	2 U	2 U	2 U	3	2 U
SW8260	o-Xylene (1,2-dimethylbenzene)	6 U	5 U	5 U	6 U	6 U
SW8260	Pentachloroethane	6 U	5 U	5 U	6 U	6 U
SW8260	Propane nitrile (propionitrile)	25 U	21 U	21 U	23 U	23 U
SW8260	Styrene	2 U	2 U	2 U	2 U	2 U
SW8260	Tetrachloroethene (PCE)	6 U	5 U	5 U	6 U	6 U
SW8260	Toluene	1 F	5 U	5 U	6 U	6 U
SW8260	trans-1,3-Dichloropropene	6 U	5 U	5 U	6 U	6 U
SW8260	trans-1,4-Dichloro-2-butene	6 U	5 U	5 U	6 U	6 U
SW8260	Trichloroethene (TCE)	6 U	5 U	5 U	6 U	6 U
SW8260	Trichlorofluoromethane	5 U	4 U	4 U	5 U	5 U
SW8260	Vinyl acetate	6 U	5 U	5 U	6 U	6 U
SW8260	Vinyl chloride	6 U	5 U	5 U	6 U	6 U
SW8270	1,2,4,5-Tetrachlorobenzene	400 U	350 U	350 U	390 U	390 U
SW8270	1,2,4-Trichlorobenzene	400 U	350 U	350 U	390 U	390 U
SW8270	1,2-Dichlorobenzene	400 U	350 U	350 U	390 U	390 U
SW8270	1,3,5-Trinitrobenzene (sym-trinitrobenzene)	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	1,3-Dichlorobenzene	400 U	350 U	350 U	390 U	390 U
SW8270	1,3-Dinitrobenzene	400 U	350 U	350 U	390 U	390 U
SW8270	1,4-Dichlorobenzene	400 U	350 U	350 U	390 U	390 U
SW8270	1,4-Dioxane (p-dioxane)	800 U	710 U	710 U	770 U	780 U
SW8270	1,4-Naphthoquinone	4000 U	3500 U	3500 U	3900 U	3900 U
SW8270	1-Naphthylamine	800 U	710 U	710 U	770 U	780 U
SW8270	2,2'-Oxybis(1-chloro)propane	400 U	350 U	350 U	390 U	390 U
SW8270	2,3,4,6-Tetrachlorophenol	400 U	350 U	350 U	390 U	390 U
SW8270	2,4,5-Trichlorophenol	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	2,4,6-Trichlorophenol	400 U	350 U	350 U	390 U	390 U

512 118

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA053-05'	BHGLTA054-00'	BHGLTA054-00' DUP01	BHGLTA054-05'	BHGLTA054-10'
SW8270	2,4-Dichlorophenol	400 U	350 U	350 U	390 U	390 U
SW8270	2,4-Dimethylphenol	400 U	350 U	350 U	390 U	390 U
SW8270	2,4-Dinitrophenol	2000 U	1800 U	1800 U	1900 R	1900 U
SW8270	2,4-Dinitrotoluene	400 U	350 U	350 U	390 U	390 U
SW8270	2,6-Dichlorophenol	800 U	710 U	710 U	770 U	780 U
SW8270	2,6-Dinitrotoluene	400 U	350 U	350 U	390 U	390 U
SW8270	2-Acetylaminofluorene	800 U	710 U	710 U	770 U	780 U
SW8270	2-Aminonaphthalene (beta-naphthylamine)	800 U	710 U	710 U	770 U	780 U
SW8270	2-Chloronaphthalene	400 U	350 U	350 U	390 U	390 U
SW8270	2-Chlorophenol	400 U	350 U	350 U	390 U	390 U
SW8270	2-Methylnaphthalene	400 U	350 U	350 U	390 U	390 U
SW8270	2-Nitroaniline	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	2-Nitrophenol	400 U	350 U	350 U	390 U	390 U
SW8270	2-Picoline (alpha-picoline)	400 U	350 U	350 U	390 U	390 U
SW8270	3,3'-Dichlorobenzidine	800 U	710 U	710 U	770 U	780 U
SW8270	3,3'-Dimethylbenzidine	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	3-Methylcholanthrene	400 U	350 U	350 U	390 U	390 U
SW8270	3-Nitroaniline	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	4,6-Dinitro-2-methylphenol	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	4-Aminobiphenyl (4-biphenylamine)	800 U	710 U	710 U	770 U	780 U
SW8270	4-Bromophenyl phenyl ether	400 U	350 U	350 U	390 U	390 U
SW8270	4-Chloro-3-methylphenol	800 U	710 U	710 U	770 U	780 U
SW8270	4-Chloroaniline	800 U	710 U	710 U	770 U	780 U
SW8270	4-Chlorophenyl phenyl ether	400 U	350 U	350 U	390 U	390 U
SW8270	4-Nitroaniline	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	4-Nitrophenol	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	4-Nitroquinoline-N-oxide	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	5-Nitro-o-toluidine	800 U	710 U	710 U	770 U	780 U
SW8270	7,12-Dimethylbenzo(a)anthracene	800 U	710 U	710 U	770 U	780 U
SW8270	Acenaphthene	400 U	350 U	350 U	390 U	390 U
SW8270	Acenaphthylene	400 U	350 U	350 U	390 U	390 U
SW8270	Acetophenone	800 U	710 U	710 U	770 U	780 U

512 119

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA053-05'	BHGLTA054-00'	BHGLTA054-00' DUP01	BHGLTA054-05'	BHGLTA054-10'
SW8270	alpha, alpha-Dimethylphenethylamine	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	Aniline (phenylamine, aminobenzene)	400 U	350 U	350 U	390 U	390 U
SW8270	Anthracene	400 U	350 U	350 U	390 U	390 U
SW8270	Aramite (total)	800 U	710 U	710 U	770 U	780 U
SW8270	Benzo(a)anthracene	400 U	350 U	350 U	390 U	390 U
SW8270	Benzo(a)pyrene	400 U	350 U	350 U	390 U	390 U
SW8270	Benzo(b)fluoranthene	400 U	350 U	350 U	390 U	390 U
SW8270	Benzo(g,h,i)perylene	400 U	350 U	350 U	390 U	390 U
SW8270	Benzo(k)fluoranthene	400 U	350 U	350 U	390 U	390 U
SW8270	Benzoic acid	2000 U	1800 U	1800 U	1900 R	1900 U
SW8270	Benzyl alcohol	400 U	350 U	350 U	390 U	390 U
SW8270	Benzyl butyl phthalate	400 U	350 U	350 U	390 U	390 U
SW8270	bis(2-Chloroethoxy)methane	400 U	350 U	350 U	390 U	390 U
SW8270	bis(2-Chloroethyl)ether (2-chloroethyl ether)	400 U	350 U	350 U	390 U	390 U
SW8270	bis(2-Ethylhexyl)phthalate	400 U	350 U	350 U	390 U	390 U
SW8270	Chlorobenzilate	400 U	350 U	350 U	390 U	390 U
SW8270	Chrysene	400 U	350 U	350 U	390 U	390 U
SW8270	Di-n-butyl phthalate	400 U	350 U	350 U	390 U	390 U
SW8270	Di-n-octyl phthalate	400 U	350 U	350 U	390 U	390 U
SW8270	Diallate (total of cis and trans isomers)	400 U	350 U	350 U	390 U	390 U
SW8270	Dibenz(a,h)anthracene	400 U	350 U	350 U	390 U	390 U
SW8270	Dibenzofuran	400 U	350 U	350 U	390 U	390 U
SW8270	Diethyl phthalate	400 U	350 U	350 U	390 U	390 U
SW8270	Dimethyl phthalate	400 U	350 U	350 U	390 U	390 U
SW8270	Dinoseb	800 U	710 U	710 U	770 U	780 U
SW8270	Diphenylamine	400 U	350 U	350 U	390 U	390 U
SW8270	Ethyl methanesulfonate	800 U	710 U	710 U	770 U	780 U
SW8270	Fluoranthene	400 U	350 U	350 U	390 U	390 U
SW8270	Fluorene	400 U	350 U	350 U	390 U	390 U
SW8270	Hexachlorobenzene	400 U	350 U	350 U	390 U	390 U
SW8270	Hexachlorobutadiene	400 U	350 U	350 U	390 U	390 U
SW8270	Hexachlorocyclopentadiene	400 U	350 U	350 U	390 U	390 U

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA053-05'	BHGLTA054-00'	BHGLTA054-00' DUP01	BHGLTA054-05'	BHGLTA054-10'
SW8270	Hexachloroethane	400 U	350 U	350 U	390 U	390 U
SW8270	Hexachlorophene	4000 U	3500 U	3500 U	3900 U	3900 U
SW8270	Hexachloropropene	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	Indeno(1,2,3-c,d)pyrene	400 U	350 U	350 U	390 U	390 U
SW8270	Isophorone	400 U	350 U	350 U	390 U	390 U
SW8270	Isosafrole	400 U	350 U	350 U	390 U	390 U
SW8270	m- & p-Cresol (sum of isomers)	400 U	350 U	350 U	390 U	390 U
SW8270	Methapyrilene	1000 U	890 U	890 U	970 U	970 U
SW8270	Methyl methanesulfonate	800 U	710 U	710 U	770 U	780 U
SW8270	N-Nitrosodi-n-butylamine	400 U	350 U	350 U	390 U	390 U
SW8270	N-Nitrosodi-n-propylamine	400 U	350 U	350 U	390 U	390 U
SW8270	N-Nitrosodiethylamine	800 U	710 U	710 U	770 U	780 U
SW8270	N-Nitrosodimethylamine	800 U	710 U	710 U	770 U	780 U
SW8270	N-Nitrosodiphenylamine	400 U	350 U	350 U	390 U	390 U
SW8270	N-Nitrosomorpholine	800 U	710 U	710 U	770 U	780 U
SW8270	N-Nitrosopiperidine	400 U	350 U	350 U	390 U	390 U
SW8270	N-Nitrosopyrrolidine	800 U	710 U	710 U	770 U	780 U
SW8270	Naphthalene	400 U	350 U	350 U	390 U	390 U
SW8270	Nitrobenzene	400 U	350 U	350 U	390 U	390 U
SW8270	Nitrosomethylethylamine	400 U	350 U	350 U	390 U	390 U
SW8270	o-Cresol (2-methylphenol)	400 U	350 U	350 U	390 U	390 U
SW8270	o-Toluidine	800 U	710 U	710 U	770 U	780 U
SW8270	p-Dimethylaminoazobenzene	800 U	710 U	710 U	770 U	780 U
SW8270	p-Phenylenediamine	6000 U	5300 U	5300 U	5800 U	5800 U
SW8270	Pentachlorobenzene	400 U	350 U	350 U	390 U	390 U
SW8270	Pentachloronitrobenzene	400 U	350 U	350 U	390 U	390 U
SW8270	Pentachlorophenol	2000 U	1800 U	1800 U	1900 U	1900 U
SW8270	Phenacetin	400 U	350 U	350 U	390 U	390 U
SW8270	Phenanthrene	400 U	350 U	350 U	390 U	390 U
SW8270	Phenol	400 U	350 U	350 U	390 U	390 U
SW8270	Pronamide	400 U	350 U	350 U	390 U	390 U
SW8270	Pyrene	400 U	350 U	350 U	390 U	390 U
SW8270	Pyridine	800 U	710 U	710 U	770 U	780 U

512 121

Table C.1
Appendix IX Analytical Data-Soil
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (mg/kg)	BHGLTA053-05'	BHGLTA054-00'	BHGLTA054-00' DUP01	BHGLTA054-05'	BHGLTA054-10'
SW8270	Safrole	400 U	350 U	350 U	390 U	390 U
SW8280	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.04 U	0.02 U	0.04 U	0.02 U	0.03 U
SW8280	2,3,7,8-Tetrachlorodibenzofuran	0.03 U	0.02 U	0.05 U	0.05 U	0.04 U
SW9010	Cyanide	0.52 U	0.51 U	0.36 U	0.58 U	0.4 U
SW9030	Sulfide	51.7 S	62.5 S	91.9 S	28.9 SU	35.2 S

Data Qualifiers:

J = This analyte was positively identified, but the quantitation is an estimation.

U = The analyte was analyzed for, but not detected.
The associated numerical value is at or below the MQL.

F = The analyte was positively identified, but the associated numerical value is below the MQL.

R = The data are unusable due to deficiences in the ability to analyze the sample and meet QC criteria.

UJ = The analyte was analyzed for but not detected. The associated numerical value is a MQL which is estimated due to deficiencies in the QC criteria.

S = Screening data.

Table C.2
Appendix IX Analytical Data-Surface Water
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (ug/L)	UHGLTA051	UHGLTA052	UHGLTA052 DUP01
SW6010	Antimony	100 U	100 U	100 U
SW6010	Arsenic	600 U	600 U	600 U
SW6010	Barium	20 U	94.3	91.8
SW6010	Beryllium	3 U	3 U	3 U
SW6010	Cadmium	40 U	40 U	40 U
SW6010	Chromium (total)	70 U	70 U	70 U
SW6010	Cobalt	70 U	70 U	70 U
SW6010	Copper	60 U	60 U	60 U
SW6010	Lead	500 U	500 U	500 U
SW6010	Nickel	150 U	150 U	150 U
SW6010	Selenium	800 U	800 U	800 U
SW6010	Silver	70 U	70 U	70 U
SW6010	Thallium	400 U	400 U	400 U
SW6010	Tin	100 U	100 U	100 U
SW6010	Vanadium	80 U	8.1 F	8.9 F
SW6010	Zinc	20 U	7.2 F	7.4 F
SW7470	Mercury	0.2 U	0.2 U	0.2 U
SW8081	Aldrin	0.044 U	0.04 U	0.043 U
SW8081	alpha-BHC (alpha-hexachlorocyclohexane)	0.033 U	0.03 U	0.032 U
SW8081	alpha-Chlordane	0.88 U	0.8 U	0.86 U
SW8081	alpha-Endosulfan (Endosulfan I)	0.15 U	0.14 U	0.15 U
SW8081	beta-BHC (beta-hexachlorocyclohexane)	0.066 U	0.06 U	0.064 U
SW8081	beta-Endosulfan (Endosulfan II)	0.044 U	0.04 U	0.043 U
SW8081	Chlordane	0.55 U	0.5 U	0.54 U
SW8081	delta-BHC (delta-hexachlorocyclohexane)	0.099 U	0.09 U	0.097 U
SW8081	Dieldrin	0.022 U	0.02 U	0.022 U
SW8081	Endosulfan sulfate	0.72 U	0.66 U	0.71 U
SW8081	Endrin	0.066 U	0.06 U	0.064 U
SW8081	Endrin aldehyde	0.25 U	0.23 U	0.25 U
SW8081	gamma-BHC (Lindane)	0.044 U	0.04 U	0.043 U
SW8081	gamma-Chlordane	0.41 U	0.37 U	0.4 U
SW8081	Heptachlor	0.033 U	0.03 U	0.032 U
SW8081	Heptachlor epoxide	0.91 U	0.83 U	0.89 U
SW8081	Isodrin	0.055 U	0.05 U	0.054 U
SW8081	Kepone	2.7 U	2.5 U	2.7 U
SW8081	Methoxychlor	1.9 R	1.8 R	1.9 R
SW8081	p,p'-DDD (4,4'-DDD)	0.12 U	0.11 U	0.12 U
SW8081	p,p'-DDE (4,4'-DDE)	0.044 U	0.04 U	0.043 U
SW8081	p,p'-DDT (4,4'-DDT)	0.13 U	0.12 U	0.13 U
SW8081	PCB-1016 (Arochlor 1016)	1.1 U	1 U	1.1 U
SW8081	PCB-1221 (Arochlor 1221)	1.1 U	1 U	1.1 U
SW8081	PCB-1232 (Arochlor 1232)	1.1 U	1 U	1.1 U
SW8081	PCB-1242 (Arochlor 1242)	1.1 U	1 U	1.1 U
SW8081	PCB-1248 (Arochlor 1248)	1.1 U	1 U	1.1 U
SW8081	PCB-1254 (Arochlor 1254)	1.1 U	1 U	1.1 U
SW8081	PCB-1260 (Arochlor 1260)	1.1 U	1 U	1.1 U
SW8081	Toxaphene	2.6 U	2.4 U	2.6 U
SW8141	Dimethoate	2.2 U	2 U	2.2 UJ
SW8141	Disulfoton	2.2 U	2 U	2.2 U
SW8141	Famphur	2.2 U	2 U	2.2 U
SW8141	O,O,O-Triethyl phosphorothioate	2.2 U	2 U	2.2 U

Table C.2
Appendix IX Analytical Data-Surface Water
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (ug/L)	UHGLTA051	UHGLTA052	UHGLTA052 DUP01
SW8141	Parathion, ethyl	2.2 U	2 U	2.2 U
SW8141	Parathion, methyl	2.2 U	2 U	2.2 U
SW8141	Phorate	5.5 U	5 U	5.4 U
SW8141	Thiodiphosphoric acid, tetraethyl ester (Sulfotep)	2.2 U	2 U	2.2 U
SW8141	Zinophos (Thionazin)	2.2 U	2 U	2.2 U
SW8151	2,4,5-T (trichlorophenoxyacetic acid)	0.1 U	0.1 U	0.1 U
SW8151	2,4-D (dichlorophenoxyacetic acid)	1 U	1 U	1 U
SW8151	Silvex (2,4,5-TP)	0.1 U	0.1 U	0.1 U
SW8260	1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U
SW8260	1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U
SW8260	1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U
SW8260	1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U
SW8260	1,1-Dichloroethane	0.4 U	0.4 U	0.4 U
SW8260	1,1-Dichloroethene	0.5 U	0.5 U	0.5 U
SW8260	1,2,3-Trichloropropane	0.5 U	0.5 U	0.5 U
SW8260	1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U
SW8260	1,2-Dibromoethane (ethylene dibromide)	0.5 U	0.5 U	0.5 U
SW8260	1,2-Dichloroethane	0.5 U	0.5 U	0.5 U
SW8260	1,2-Dichloroethene, cis-	0.5 U	0.5 U	0.5 U
SW8260	1,2-Dichloroethene, trans-	0.5 U	0.5 U	0.5 U
SW8260	1,2-Dichloropropane	0.4 U	0.4 U	0.4 U
SW8260	2-Chloro-1,3-butadiene (chloroprene)	0.5 U	0.5 U	0.5 U
SW8260	2-Hexanone	2 U	2 U	2 U
SW8260	Acetone	2 U	3	2
SW8260	Acetonitrile	40 U	40 U	40 U
SW8260	Acrolein	100 U	100 U	100 U
SW8260	Acrylonitrile	40 U	40 U	40 U
SW8260	Allyl chloride (3-chloropropene)	2 U	2 U	2 U
SW8260	Benzene	0.4 U	0.4 U	0.4 U
SW8260	Bromodichloromethane	0.5 U	0.5 U	0.5 U
SW8260	Bromoform	0.5 U	0.5 U	0.5 U
SW8260	Bromomethane	0.5 U	0.5 U	0.5 U
SW8260	Carbon disulfide	2 U	2 U	2 U
SW8260	Carbon tetrachloride	0.5 U	0.5 U	0.5 U
SW8260	Chlorobenzene	0.4 U	0.4 U	0.4 U
SW8260	Chloroethane	0.5 U	0.5 U	0.5 U
SW8260	Chloroform	0.3 U	0.3 U	0.3 U
SW8260	Chloromethane	0.5 U	0.5 U	0.5 U
SW8260	cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U
SW8260	Dibromochloromethane	0.5 U	0.5 U	0.5 U
SW8260	Dibromomethane	0.5 U	0.5 U	0.5 U
SW8260	Dichlorodifluoromethane	0.5 R	0.5 R	0.5 R
SW8260	Ethyl methacrylate	2 U	2 U	2 U
SW8260	Ethylbenzene	0.5 U	0.5 U	0.5 U
SW8260	Iodomethane (methyl iodide)	2 U	2 U	2 U
SW8260	Isobutanol	100 U	100 U	100 U
SW8260	m-Xylene (1,3-dimethylbenzene)	0.5 U	0.5 U	0.5 U
SW8260	Methyl ethyl ketone (2-butanone)	2 U	2 U	2 U
SW8260	Methyl isobutyl ketone (4-methyl-2-pentanone)	2 U	2 U	2 U

Table C.2
Appendix IX Analytical Data-Surface Water
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (ug/L)	UHGLTA051	UHGLTA052	UHGLTA052 DUP01
SW8260	Methyl methacrylate	2 U	2 U	2 U
SW8260	Methylacrylonitrile	2 U	2 U	2 U
SW8260	Methylene chloride	0.5 U	0.5 U	0.5 U
SW8260	o-Xylene (1,2-dimethylbenzene)	0.5 U	0.5 U	0.5 U
SW8260	Pentachloroethane	2 U	2 U	2 U
SW8260	Propane nitrile (propionitrile)	20 U	20 U	20 U
SW8260	Styrene	0.4 U	0.4 U	0.4 U
SW8260	Tetrachloroethene (PCE)	0.5 U	0.5 U	0.5 U
SW8260	Toluene	0.5 U	0.5 U	0.5 U
SW8260	trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U
SW8260	trans-1,4-Dichloro-2-butene	2 U	2 U	2 U
SW8260	Trichloroethene (TCE)	0.5 U	0.5 U	0.5 U
SW8260	Trichlorofluoromethane	0.5 U	0.5 U	0.5 U
SW8260	Vinyl acetate	2 U	2 U	2 U
SW8260	Vinyl chloride	0.5 U	0.5 U	0.5 U
SW8270	1,2,4,5-Tetrachlorobenzene	10 U	10 U	11 U
SW8270	1,2,4-Trichlorobenzene	10 U	10 U	11 U
SW8270	1,2-Dichlorobenzene	10 U	10 U	11 U
SW8270	1,3,5-Trinitrobenzene (sym-trinitrobenzene)	48 U	52 U	55 U
SW8270	1,3-Dichlorobenzene	10 U	10 U	11 U
SW8270	1,3-Dinitrobenzene	10 U	10 U	11 U
SW8270	1,4-Dichlorobenzene	10 U	10 U	11 U
SW8270	1,4-Dioxane (p-dioxane)	19 U	21 U	22 U
SW8270	1,4-Naphthoquinone	96 U	100 U	110 U
SW8270	1-Naphthylamine	19 U	21 U	22 U
SW8270	2,2'-Oxybis(1-chloro)propane	10 U	10 U	11 U
SW8270	2,3,4,6-Tetrachlorophenol	10 U	10 U	11 U
SW8270	2,4,5-Trichlorophenol	48 U	52 U	55 U
SW8270	2,4,6-Trichlorophenol	10 U	10 U	11 U
SW8270	2,4-Dichlorophenol	10 U	10 U	11 U
SW8270	2,4-Dimethylphenol	10 U	10 U	11 U
SW8270	2,4-Dinitrophenol	48 R	52 R	55 U
SW8270	2,4-Dinitrotoluene	10 U	10 U	11 U
SW8270	2,6-Dichlorophenol	19 U	21 U	22 U
SW8270	2,6-Dinitrotoluene	10 U	10 U	11 U
SW8270	2-Acetylaminofluorene	19 U	21 U	22 U
SW8270	2-Aminonaphthalene (beta-naphthylamine)	19 U	21 U	22 U
SW8270	2-Chloronaphthalene	10 U	10 U	11 U
SW8270	2-Chlorophenol	10 U	10 U	11 U
SW8270	2-Methylnaphthalene	10 U	10 U	11 U
SW8270	2-Nitroaniline	48 U	52 U	55 U
SW8270	2-Nitrophenol	10 U	10 U	11 U
SW8270	2-Picoline (alpha-picoline)	10 U	10 U	11 U
SW8270	3,3'-Dichlorobenzidine	19 U	21 U	22 U
SW8270	3,3'-Dimethylbenzidine	48 U	52 U	55 U
SW8270	3-Methylcholanthrene	10 U	10 U	11 U
SW8270	3-Nitroaniline	48 R	52 U	55 U
SW8270	4,6-Dinitro-2-methylphenol	48 U	52 U	55 U
SW8270	4-Aminobiphenyl (4-biphenylamine)	19 U	21 U	22 U

Table C.2
Appendix IX Analytical Data-Surface Water
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (ug/L)	UHGLTA051	UHGLTA052	UHGLTA052 DUP01
SW8270	4-Bromophenyl phenyl ether	10 U	10 U	11 U
SW8270	4-Chloro-3-methylphenol	19 U	21 U	22 U
SW8270	4-Chloroaniline	19 U	21 U	22 U
SW8270	4-Chlorophenyl phenyl ether	10 U	10 U	11 U
SW8270	4-Nitroaniline	48 R	52 U	55 U
SW8270	4-Nitrophenol	48 U	52 U	55 U
SW8270	4-Nitroquinoline-N-oxide	48 U	52 U	55 U
SW8270	5-Nitro-o-toluidine	19 U	21 U	22 U
SW8270	7,12-Dimethylbenzo(a)anthracene	19 U	21 U	22 U
SW8270	Acenaphthene	10 U	10 U	11 U
SW8270	Acenaphthylene	10 U	10 U	11 U
SW8270	Acetophenone	19 U	21 U	22 U
SW8270	alpha, alpha-Dimethylphenethylamine	48 U	52 U	55 U
SW8270	Aniline (phenylamine, aminobenzene)	10 U	10 U	11 U
SW8270	Anthracene	10 U	10 U	11 U
SW8270	Aramite (total)	19 U	21 U	22 U
SW8270	Benzo(a)anthracene	10 U	10 U	11 U
SW8270	Benzo(a)pyrene	10 U	10 U	11 U
SW8270	Benzo(b)fluoranthene	10 U	10 U	11 U
SW8270	Benzo(g,h,i)perylene	10 U	10 U	11 U
SW8270	Benzo(k)fluoranthene	10 U	10 U	11 U
SW8270	Benzoic acid	48 R	52 R	55 U
SW8270	Benzyl alcohol	10 U	10 U	11 U
SW8270	Benzyl butyl phthalate	10 U	10 U	11 U
SW8270	bis(2-Chloroethoxy)methane	10 U	10 U	11 U
SW8270	bis(2-Chloroethyl)ether (2-chloroethyl ether)	10 U	10 U	11 U
SW8270	bis(2-Ethylhexyl)phthalate	10 U	10 UJ	4 F
SW8270	Chlorobenzilate	10 U	10 U	11 U
SW8270	Chrysene	10 UJ	10 UJ	11 UJ
SW8270	Di-n-butyl phthalate	10 U	10 U	11 U
SW8270	Di-n-octyl phthalate	10 U	10 U	11 U
SW8270	Diallate (total of cis and trans isomers)	10 U	10 U	11 U
SW8270	Dibenzo(a,h)anthracene	10 UJ	10 UJ	11 UJ
SW8270	Dibenzofuran	10 U	10 U	11 U
SW8270	Diethyl phthalate	10 U	10 U	11 U
SW8270	Dimethyl phthalate	10 U	10 U	11 U
SW8270	Dinoseb	19 U	21 U	22 U
SW8270	Diphenylamine	10 U	10 U	11 U
SW8270	Ethyl methanesulfonate	19 U	21 U	22 U
SW8270	Fluoranthene	10 U	10 U	11 U
SW8270	Fluorene	10 U	10 U	11 U
SW8270	Hexachlorobenzene	10 U	10 U	11 U
SW8270	Hexachlorobutadiene	10 U	10 U	11 U
SW8270	Hexachlorocyclopentadiene	10 U	10 R	11 R
SW8270	Hexachloroethane	10 U	10 U	11 U
SW8270	Hexachlorophene	96 U	100 U	110 U
SW8270	Hexachloropropene	48 U	52 U	55 U
SW8270	Indeno(1,2,3-c,d)pyrene	10 U	10 U	11 U
SW8270	Isophorone	10 U	10 U	11 U
SW8270	Isosafrole	10 U	10 U	11 U

Table C.2
Appendix IX Analytical Data-Surface Water
SWMU 27/Landfill 10
NAS Fort Worth JRB, Texas

Method	Analyte (ug/L)	UHGLTA051	UHGLTA052	UHGLTA052 DUP01
SW8270	m- & p-Cresol (sum of isomers)	10 U	10 U	11 U
SW8270	Methapyrilene	24 U	26 U	27 U
SW8270	Methyl methanesulfonate	19 U	21 U	22 U
SW8270	N-Nitrosodi-n-butylamine	10 U	10 U	11 U
SW8270	N-Nitrosodi-n-propylamine	10 U	10 U	11 U
SW8270	N-Nitrosodiethylamine	19 U	21 U	22 U
SW8270	N-Nitrosodimethylamine	19 U	21 U	22 U
SW8270	N-Nitrosodiphenylamine	10 U	10 U	11 U
SW8270	N-Nitrosomorpholine	19 U	21 U	22 U
SW8270	N-Nitrosopiperidine	10 U	10 U	11 U
SW8270	N-Nitrosopyrrolidine	19 U	21 U	22 U
SW8270	Naphthalene	10 U	10 U	11 U
SW8270	Nitrobenzene	10 U	10 U	11 U
SW8270	Nitrosomethylethylamine	10 U	10 U	11 U
SW8270	o-Cresol (2-methylphenol)	10 U	10 U	11 U
SW8270	o-Toluidine	19 U	21 U	22 U
SW8270	p-Dimethylaminoazobenzene	19 U	21 U	22 U
SW8270	p-Phenylenediamine	140 U	150 U	160 U
SW8270	Pentachlorobenzene	10 U	10 U	11 U
SW8270	Pentachloronitrobenzene	10 U	10 U	11 U
SW8270	Pentachlorophenol	48 U	52 U	55 U
SW8270	Phenacetin	10 U	10 U	11 U
SW8270	Phenanthrene	10 U	10 U	11 U
SW8270	Phenol	10 U	10 U	11 U
SW8270	Pronamide	10 U	10 U	11 U
SW8270	Pyrene	10 U	10 U	11 U
SW8270	Pyridine	19 U	21 U	22 U
SW8270	Safrole	10 U	10 U	11 U
SW8280	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.21 U	0.14 U	0.3 U
SW8280	2,3,7,8-Tetrachlorodibenzofuran	0.14 U	0.24 U	0.19 U
SW9010	Cyanide	10 U	10 U	10 U
SW9030	Sulfide	1 SU	1 SU	1 SU

Data Qualifiers:

J = This analyte was positively identified, but the quantitation is an estimation.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MQL.

F = The analyte was positively identified, but the associated numerical value is below the MQL.

R = The data are unusable due to deficiences in the ability to analyze the sample and meet QC criteria.

UJ = The analyte was analyzed for but not detected. The associated numerical value is a MQL which is estimated due to deficiencies in the QC criteria.

S = Screening data.

TAB

Appendix D

APPENDIX D

DATA QUALITY ASSESSMENT

DATA QUALITY ASSESSMENT
FINAL RCRA FACILITY INVESTIGATION REPORT
SWMU 27 (LANDFILL 10)
NAS FORT WORTH JRB, TEXAS

1.0 FIELD QUALITY ASSURANCE/QUALITY CONTROL

Field quality control samples such as blanks and duplicates were collected as described in the following sections.

1.1 AMBIENT BLANK

Ambient blanks consist of American Society for Testing and Materials (ASTM) Type II reagent grade water poured into a volatile organic compounds (VOCs) sample vial at a sampling site (in the same vicinity as the associated samples). Ambient blanks are used to assess the potential introduction of contaminants from ambient sources (e.g., active runways, engine test cells, gasoline motors in operation) to the samples during sample collection. Ambient blanks are handled like environmental samples and transported to the laboratory for analysis. Depending on the analytes of interest at the associated site(s), ambient blanks are analyzed for VOCs, benzene, toluene, ethylbenzene, and xylenes (BTEX), and/or methane. No ambient blanks were collected in association with Solid Waste Management Unit (SWMU) 27 samples. Soil samples for VOC analyses were collected and contained in stainless steel sleeves with 100 percent recovery. Upon recovery, each sleeve was immediately sealed with a Teflon-lined plastic cap to avoid loss of and/or introduction of VOCs. No local potential VOC sources were noted during collection of surface water samples.

1.2 EQUIPMENT BLANK

An equipment blank is a sample of ASTM Type II reagent grade water poured into or over or pumped through the sampling device, collected in a sample container, and transported to the laboratory for analysis. Equipment blanks are used to assess the effectiveness of equipment decontamination procedures. Equipment blanks are collected immediately after equipment has been decontaminated. Each blank is analyzed for all laboratory analyses requested for the environmental samples collected at the site. One equipment blank was collected per day for each type of sampling equipment used. Three equipment blanks were collected in association with SWMU 27 sampling.

1.3 TRIP BLANK

A trip blank consists of a VOC sample vial filled at the laboratory with ASTM Type II reagent grade water, transported to the sampling site, handled like an environmental sample, and returned to the laboratory for analysis. Trip blanks are not opened in the field. Trip blanks are prepared only when VOC samples are collected and are analyzed only for VOC analytes. Trip blanks are

used to assess the potential introduction of contaminants from sample containers or during the transportation and storage procedures. One trip blank accompanied each cooler of samples sent to the laboratory for analysis of VOCs. Three trip blanks were collected in association with SWMU 27 sampling.

1.4 FIELD DUPLICATES

Duplicate sample results are used to assess precision of the sample collection process. Precision of soil samples to be analyzed for VOCs is assessed from collocated samples because the compositing process required to obtain uniform samples could result in loss of the compounds of interest.

Duplicate samples are collected simultaneously, or in immediate succession, using identical recovery techniques, and treated in an identical manner during storage, transportation, and analysis. The sample containers are assigned an identification number in the field so that they cannot be identified (blind duplicate) as duplicate samples by laboratory personnel performing the analysis. Specific locations were designated for collection of SWMU 27 field duplicate samples prior to the beginning of sample collection. One duplicate sample was collected for every 10 field samples collected. Two field duplicates (one surface water and one soil) were collected during SWMU 27 Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) activities.

1.5 SAMPLE TRACKING PROTOCOL

Each field sample was assigned a unique identification number that described where the sample was collected. The number consists of a maximum 12-digit alphanumeric code WHGLTA003WG1 as follows:

- xxxxxxxxxzzaa

where:

xxxxxxxxx	represents the well identification or well name (e.g., LF04-04, WHGLTA003)
zz	represents the medium (WG for water-ground)
a	indicates the sampling event number for groundwater, surface water, and soil (e.g., 1, 2, 3, etc.)

In order to ensure that field duplicates were analyzed "blind" by the laboratory, each field duplicate sample was assigned a unique sample identification number that did not associate the duplicate with its parent sample. For example, the soil sample collected in the first sampling interval from BHGLTA051 was identified as DUP01. The locations from which field duplicate samples were to be collected were determined prior to mobilization. Documentation was maintained in the field sampling log book, and on the sample collection log, to track these field duplicate samples.

Quality Control (QC) samples were identified by use of a similar system of identifiers with a maximum of 10 characters. The QC sampling number system is summarized below:

xxyyyyyy

where:

xx represents the blank type (EB for equipment blank, TB for trip blank, AB for ambient blank)

yyyyyy represents the date (month, day, year)

For example, an equipment blank obtained on April 1, 1998, would be identified as EB040198. When multiple field blanks of a particular type were collected on the same day, alphabetical suffixes (A, B, C, and so forth) were attached to the identification numbers.

The Project Geologist/Field Coordinator maintained a list detailing the connection between each QC sample and specific environmental samples. For instance, each trip blank was correlated with a particular set of samples shipped to the laboratory, and each equipment blank was correlated to those samples collected using a particular set of sampling tools on a specific date.

After the laboratory data were received and validated, data entry and QC operations were performed on the laboratory's electronic data deliverables (EDDs) to ensure that each EDD was complete, correct, and compatible with the Environmental Resources Program Information Management System (ERPIMS) format. An EDD report in the ERPIMS format will be provided.

2.0 LABORATORY ANALYSIS

Samples collected as part of this RFI were analyzed for the full suite of 40 Code of Federal Regulations (CFR) Appendix IX constituents. In accordance with the U.S. Air Force Center Environmental Excellence (AFCEE) Basewide Quality Assurance Protection Plan (QAPP) (HydroGeoLogic, Feb. 1998), the following U.S. Environmental Protection Agency (USEPA) Methods were used to cover the full Appendix IX list:

- SW6010A - Trace Elements (Metals)
- SW7470A/7471A - Mercury
- SW8081 - Organochlorine Pesticides and Polychlorinated Biphenyls (PCBs)
- SW8141 - Organophosphorus Pesticides
- SW8151 - Chlorinated Herbicides
- SW8260B - Volatile Organic Compounds
- SW8270C - Semivolatile Organic Compounds
- SW8280 - Dioxins and Furans
- SW9010A - Cyanide
- SW9030 - Sulfide

2.1 ANALYTICAL PROGRAM

The data generated by this project is of sufficient quality and quantity to meet the overall project objective, which is closure of SWMU 27 under Texas Natural Resources Conservation Commission (TNRCC) Risk Reduction Standards (RRS). Data from the following categories were required for this study:

Site Characterization - Data were used to evaluate physical and chemical properties of soil and surface water. The data were also used to characterize the nature and extent of any contaminants detected.

Health and Safety - Data were used to establish the level of protection needed for the sampling team and other site-related personnel. These data were gathered by the use of organic vapor monitors during intrusive activities.

A combination of screening level data and definitive level data was used during this RFI. Health and safety data were collected as screening data. All soil and water samples were analyzed following USEPA SW846 protocols. The definitions of screening data and definitive data, as established by the Data Quality Objectives Process for Superfund Interim Final Guidance (USEPA/540/G-93/071, 1993) are described below:

- Screening Data with Definitive Confirmation - Screening data can be generated by rapid, less precise methods of analysis with less rigorous sample preparation. Sample preparation steps may be restricted to simple procedures such as dilution with a solvent, instead of elaborate extraction/digestion and cleanup. Screening data provides analyte identification and quantification. Although the quantification may be determined using analytical methods with Quality Assurance/Quality Control (QA/QC) procedures and criteria associated with definitive data, screening data without associated confirmation data are not considered to be data of known quality.

- Definitive Data - Definitive data were generated using rigorous analytical methods, such as approved USEPA reference methods. Data are analyte-specific, with confirmation of analyte identity and concentration. These methods produce tangible raw data (e.g., chromatograms, spectra, digital values) in the form of paper printouts or computer-generated electronic files. Data may be generated at the site or at an off-site location, as long as the QA/QC requirements are satisfied. For the data to be definitive, either analytical or total measurement error must be determined.

The data generated by the laboratory analysis of samples were sufficiently sensitive to allow comparison of the results to the TNRCC RRS. The Basewide QAPP (HydroGeoLogic, 1998) describes each method that was performed as part of the investigation and outlines the quality assurance measures the contract laboratory must follow. The methods of analysis selected for samples collected from NAS Fort Worth JRB produced screening as well as definitive data.

2.2 QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

The primary project QA/QC document is the Basewide QAPP. This document is based on versions 1.1 and 2.0 of AFCEE's Model QAPP, with some base-specific modifications. This document is supplemented by the laboratory's Quality Assurance Plan. Together, these two documents detail the requirements which must be followed in order to generate data of the level of quality required to support the project decision-making process. Among the requirements contained in these documents is the requirement for review of the data at several levels at the laboratory. Each benchtop chemist is responsible for a 100 percent review of all data generated, as is each laboratory section manager (or designee). Subsequent to analyst review, 10 percent of data are reviewed by the laboratory QA department prior to assembly of each data report. Each final data report is reviewed by the laboratory project manager prior to release from the laboratory.

2.2.1 Laboratory Quality Assurance/Quality Control Program

The laboratory QA/QC program was maintained in overall accordance with the Basewide QAPP. Where the laboratory performance was not in accordance with the QAPP criteria, the affected data were qualified in the data validation process. The Data Validation Reports are presented in Appendix F. In order to provide data meeting the requirements for definitive data, the following QC elements were used by the laboratory to provide QC data applicable to the analytical results: laboratory control samples (LCSs), matrix spike/matrix spike duplicate (MS/MSD) samples, surrogate recoveries, internal standard performance, method blanks and calibration, instrument tuning and calibration, second source calibration checks, confirmation columns/detectors, interference check samples, recovery tests, laboratory duplicates, and serial dilutions. A description of each laboratory QC element can be found in Section 4.0 of the Basewide QAPP (HydroGeoLogic, 1998). The frequency and acceptance criteria for each laboratory QC element are described in general in Sections 4.0 and 8.0 of the Basewide QAPP (HydroGeoLogic, 1998), and in the method-specific subsections of Section 7.0 of the Basewide QAPP.

2.2.2 QA/QC Program Performance

Evaluation of the QC and analytical data provided by the laboratory showed that there was general compliance with the QA/QC program. There were cases where individual analytes or QC elements did not meet program criteria. If these QC failures were serious enough, the laboratory performed re-analysis after attempting corrective action. Where re-analysis was not performed or corrective action was not successful, the data were qualified in accordance with the method-specific requirements of Section 7.0 and the general requirements of Section 8.0 of the Basewide QAPP (HydroGeoLogic, 1998).

The QC events that commonly caused re-analysis for organic methods to be necessary were surrogates not meeting percent recovery criteria, internal standards not meeting peak area criteria, and analyte detections above the calibrated range of the instrument. Metals analyses by Graphite Furnace Atomic Absorption (GFAA) were often re-analyzed due to poor recovery test performance.

A total of 693 data points were generated by the analyses of project surface water samples. Of these, 14 were rejected due to failure to achieve QA/QC program requirements. Total project water data completeness is calculated to be 98.0 percent, which meets the project surface water data completeness goal of 95 percent. A total of 2,540 data points were generated by the analyses of project soil samples. Of these, 74 were rejected due to failure to achieve QA/QC program requirements. Total project soil data completeness is calculated to be 97.1 percent, which meets the project soil data completeness goal of 90 percent.

2.2.3 QA Activities

On March 25 and 26, 1998, the HydroGeoLogic project chemist, assisted by a Law Engineering project chemist, performed a QA audit of the facilities and practices of the Recra Laboratory in University Park, Illinois. The auditors reviewed the laboratory's Quality Assurance Plan, evaluated the laboratory's recent state certification performance evaluation sample results, reviewed the laboratory's standard operating procedures, and conducted an on-site inspection of the laboratory's facility. The laboratory was found to have sufficient expertise, resources, and procedures to generate definitive and legally defensible data. The laboratory QA audit report is provided as Appendix G.

3.0 DATA QUALITY EVALUATION

This section describes the analytical methods and quality control program utilized for the RFI of SWMU 27 at NAS Fort Worth JRB. The analytical methods used for the analysis of the field samples are described in the Final Basewide QAPP (HydroGeoLogic, 1998b).

The objective of the Data Quality Evaluation (DQE) is to provide a professional review of the analytical data packages submitted by the laboratory. The DQE consists of a review of laboratory QC data and field QC data. This review is performed to indicate which data are usable, usable with qualification, or unusable. The analytical procedures used to generate field sample data are evaluated in accordance with the general and method-specific QC criteria listed in Sections 5.0, 6.0, 7.0, and 8.0 of the Final Basewide QAPP (HydroGeoLogic, 1998b).

The following items of laboratory QC data are reviewed:

- Sample integrity
- Sample completeness
- Preparation and analysis holding times
- Laboratory preparation and analysis methods
- Method accuracy and precision (e.g., MS/MSDs, dilution tests)
- Laboratory performance criteria (e.g., blanks, LCS recoveries, surrogates, internal standards)
- Instrument initial and continuing calibration checks

Field QC performance is evaluated through evaluating field duplicates, field blanks, field documentation, and shipping criteria.

3.1 Methodology for Data Quality Assessment

The results for SWMU 27 samples collected were validated by Law Engineering. The data were evaluated in accordance with the procedures and acceptance criteria contained in the Basewide QAPP. All results from all analytical methods (with the exception of sulfide results) were evaluated with respect to the requirements of definitive data at the equivalent of an USEPA level III review. The data review identified those data which were unusable due to serious QC deficiencies, as well as other data which were affected by QC problems but not of sufficient severity to warrant rejection. Rejected data were qualified 'R', while qualifiers of lesser severity were applied to usable data where necessary. These qualifiers are defined in Section 3.5.4. The validation reports for each sample delivery group (SDG) are presented in Appendix F.

Subsequent to the data validation process, the required data validation qualifiers were entered into the project database. The accuracy the validation and data entry process was checked at all stages. The "as received" accuracy of each EDD for each data package was verified by comparing the contents of each EDD to the hardcopy of that data package at a 10 percent rate. The accuracy of the validation qualifiers was also checked on the final database output at a rate of 10 percent.

TAB

Appendix E

APPENDIX E

DATA VALIDATION REPORT

Carswell AFB
Project No: 12001-7-5001 (RFI)
SDG: 9804G075

Sample ID	Sample Date	Sample ID	Sample Date
BHGLTA615-01	4/1/98	BHGLTA051-01	4/3/98
BHGLTA615-02	4/1/98	BHGLTA051-02	4/3/98
BHGLTA615-03	4/1/98	UHGLTA051-02	4/3/98
BHGLTA615-03DUP	4/1/98	EB001	4/3/98
BHGLTA615-04	4/1/98	TB031998	4/3/98
HGLEB204	4/1/98		

Method of Analysis: SW8260, SW8270, SW8080, SW8150, SW8140, SW8280, SW6010A, SW7470A, sulfide (SW9030) and cyanide (SW9012).

Hierarchy of flags: "R" > "UJ > "U" > "F" > "J"

Volatile Organics (SW8260) - The VOA sample bottle to sample BHGLTA615-03 was broken. The sample was transferred to another container by the laboratory. Due to the potential for cross contamination and/or loss of volatiles, positive volatile sample results are qualified as estimated and flagged "J", and non-detects are flagged "UJ".

The dichlorodifluoromethaneresults in samples UHGLTA051-02, HGLEB204, EB001 and TB031998 are deemed unusable and flagged "R" due to a percent difference exceedance in the continuing calibration verification. In addition, the following compounds are rejected and flagged "R" in samples BHGLTA051-01 and BHGLTA051-02 due to percent differences in the continuing calibration that exceeded quality control limits: dibromomethane, 1,2-dibromoethane, bromoform, and 1,2-dibromo-3-chloropropane.

Appendix IX compounds 4-methyl-2-pentanone and 2-hexanone exceeded the 50% control limit in the continuing calibration. Corrective action and qualification is not applied to Appendix IX calibration outliers.

Methylene chloride received a "U" qualifier for sample TB031998 due to contamination in the method blank.

Acetone results in sample BHGLTA615-02 were flagged "U" due to contamination in the associated equipment blank HGLEB204.

Semi-Volatile Organics (SW8270B) - The 3-nitroaniline, 4-nitroaniline, benzoic acid and benzidine results for all samples in this SDG are deemed unusable and flagged "R" due to a percent difference exceedance in the continuing calibration verification. In addition, the 2,4-dinitrophenol and carbazole results are rejected and flagged "R" in samples UHGLTA051-02, HGLEB204, EB001, BHGLTA615-01, BHGLTA615-03, BHGLTA615-04, BHGLTA051-01 and BHGLTA051-02 due to percent difference exceedances in the continuing calibration.

The following Appendix IX compounds exceeded the 50% control limit in the continuing calibration: 1,4-dioxane, sym-trinitrobenzene, a,a-dimethylphenethylamine, p-phenethyldiamine, aramite, 2-sec-butyl-4,6-dinitrophenol and hexachlorophene. Corrective action and qualification is not applied to Appendix IX calibration outliers for continuing calibrations.

Bis(2-ethylhexyl)phthalate received "U" qualifiers for surface water and QC samples UHGLTA051-02, HGLEB204 and EB001 due to contamination in the method blank and/or equipment blanks.

The MS and MSD percent recoveries were below the control limit in spiked sample BHGLTA615-02 and the MS/MSD RPDs was above the control limit for benzoic acid. The benzoic acid results for soil samples BHGLTA615-01, BHGLTA615-02, BHGLTA615-03, BHGLTA615-03DUP and BHGLTA615-04 are qualified as estimated and flagged "UJ".

The MS and MSD percent recoveries were below the control limit in spiked sample UHGLTA051-01 for chrysene and dibenzo(a,h)anthracene. The results for surface water sample UHGLTA051-02 are qualified as estimated and flagged "UJ".
The precision was poor between the field sample BHGLTA615-03 and its duplicate BHGLTA615-03DUP for bis(2-ethylhexyl)phthalate. The result for sample BHGLTA615-03DUP is qualified as estimated and flagged "UJ". The result in sample BHGLTA615-03 was already flagged "F".

Pesticides/PCBs (SW8080) - The methoxychlor results for samples EB001, HGLEB204 and UHGLTA051-02 are deemed unusable and flagged "R" due to a percent difference exceedance in the continuing calibration verification.

The following soil samples required dilutions due to matrix effects: BHGLTA615-01 (50X), BHGLTA615-02 (50X), BHGLTA051-01 (2.5X) and BHGLTA051-02 (25X). However, dilutions performed on samples BHGLTA615-01, BHGLTA615-02 and BHGLTA051-02 were excessive and sample extracts should have been reanalyzed at lesser dilutions. LAW recommends that RECRA labs consult project chemist about sample dilutions.

An MS/MSD was performed on soil sample BHGLTA615-02. The results were diluted out (due to matrix effects); therefore, MS/MSD qualification of associated samples could not be performed.

Herbicides (SW8150B) - The MS and MSD percent recoveries were below the control limits in spiked sample BHGLTA615-02 for 2,4,5-TP (Silvex) and 2,4,5-T. The results for samples BHGLTA615-01, BHGLTA615-02, BHGLTA615-03, BHGLTA615-03DUP and BHGLTA615-04 are qualified as estimated and flagged "UJ".

Organophosphorous Pesticides (SW8140) - Percent recoveries were below the control limit for the surrogate tributylphosphate in samples HGLEB204, UHGLTA051-02, EB001,

BHGLTA615-01, BHGLTA615-02, BHGLTA615-03, BHGLTA615-03DUP, BHGLTA051-01 and BHGLTA051-02, and above the control limits for surrogate triphenylphosphate in samples BHGLTA615-01, BHGLTA615-02 and BHGLTA051-02. The results for samples BHGLTA615-01, BHGLTA615-02 and BHGLTA051-02 are qualified as estimated and flagged "UJ" because both surrogate recoveries were outside QC limits.

Dioxins/Furans (SW8280) - The dioxin/furan data are usable and do not require qualification. However, it should be noted that the laboratory inadvertently did not spike the MS sample. The MSD results were within recovery limits. Qualification of the data was not applied.

ICP Metals (SW6010A) - Soil samples BHGLTA615-03, BHGLTA615-03DUP, BHGLTA615-04, and BHGLTA051-01 received a "J" qualifier for beryllium due to negative blank contamination in the ICB, CCBs and/or preparation blank. The beryllium results in the remaining soil samples retained the "F" qualifier. Beryllium also received "UJ" qualifiers for the water samples in this SDG (HGLEB204, UGHLTA051-02, and EB001) due to negative blank contamination in the preparation blank. Cobalt would have received a "J" qualifier for sample BHGLTA615-01 due to negative blank contamination in the CCB, and for sample BHGLTA051-02 due to negative blank contamination in the ICB; however, the cobalt results were below the PQL and retain the "F" qualifiers. Lead would have received a "J" qualifier for sample BHGLTA615-03 due to negative blank contamination in the ICB; however, the lead result was below the PQL and retains the "F" qualifier. Silver received a "UJ" qualifier for the soil samples in this SDG due to negative blank contamination in the ICB and CCBs. Tin received a "UJ" qualifier for sample BHGLTA615-02 due to negative blank contamination in the CCBs and positive blank contamination in the preparation blank. Tin also received "UJ" qualifiers for the rest of the soil samples in this SDG due to negative blank contamination in the CCBs. Vanadium received "UJ" qualifiers for the water samples in this SDG (HGLEB204, UGHLTA051-02, and EB001) due to negative blank contamination in the CCB. Zinc received "U" qualifiers

for samples HGLEB204 and UHGLTA051-02 due to contamination in the CCBs and preparation blank.

The MS and MSD percent recoveries were below the control limits in spiked sample BHGLTA615-02 for antimony. The results for samples BHGLTA615-01, BHGLTA615-02, BHGLTA615-03, BHGLTA615-03DUP and BHGLTA615-04 are qualified as estimated and flagged "UJ".

Arsenic, lead, thallium and zinc results exhibited poor precision (>25 RPD) between the field sample and its duplicate. Therefore, zinc results are qualified as estimated and flagged "J" in samples BHGLTA615-03 and BHGLTA615-03DUP. Arsenic, lead, and thallium results retain the "F" qualifiers.

Mercury (SW7470A) - The mercury data are usable and do not require qualification.

Sulfide (SW9030) - The sulfide result for sample BHGLTA615-03 was qualified as estimated and flagged "UJ", and flagged "J" for sample BHGLTA615-03DUP due to poor precision (>20 RPD) between the field sample and its duplicate.

Sulfide was analyzed by EPA screening method SW9030; therefore, all results in this SDG are qualified with "S" flags.

Cyanide (SW9012) - The cyanide results for both the soil and water samples in this SDG received "UJ" qualifiers due to negative blank contamination in the ICB, CCBs, and/or preparation blank.

Carswell AFB
Project No: 12001-7-5001 (RFI)
SDG: 9804G123

Sample ID	Sample Date	Sample ID	Sample Date
UHGLTA051-01	4/6/98	BHGLTA053-01	4/7/98
UHGLTA051-DUP01	4/6/98	BHGLTA053-02	4/7/98
BHGLTA052-01	4/6/98	BHGLTA054-01	4/7/98
BHGLTA052-02	4/6/98	BHGLTA054-02	4/7/98
BHGLTA052-03	4/6/98	BHGLTA054-03	4/7/98
EB040698	4/6/98	BHGLTA054-DUP01	4/7/98
TB040698	4/6/98	EB040798	4/7/98
		TB040798	4/7/98

Method of Analysis: SW8260, SW8270, SW8080, SW8150, SW8140, SW8280, SW6010A, SW7470A, sulfide (SW9030) and cyanide (SW9012).

Hierarchy of flags: "R" > "UJ > "U" > "F" > "J"

Volatile Organics (SW8260) - The following results in the following samples are deemed unusable and flagged "R" due to a percent difference exceedance in the continuing calibration verification.

Bromoform
BHGLTA052-01
BHGLTA052-02
BHGLTA052-03
BHGLTA053-01
BHGLTA053-02
BHGLTA054-01
BHGLTA054-02
BHGLTA054-03
BHGLTA054-DUP01

Dibromomethane
BHGLTA052-01
BHGLTA052-02
BHGLTA052-03
BHGLTA053-02
BHGLTA054-01

Chloromethane
EB040698
TB040698
EB040798
TB040798

1,2-Dibromo-3-chloropropane
BHGLTA052-01
BHGLTA052-02
BHGLTA052-03
BHGLTA053-01
BHGLTA053-02
BHGLTA054-01
BHGLTA054-02
BHGLTA054-03
BHGLTA054-DUP01

Dibromochloromethane
BHGLTA053-01
BHGLTA054-02
BHGLTA054-03
BHGLTA054-DUP01

1,2-Dibromoethane
BHGLTA052-01
BHGLTA052-02
BHGLTA052-03
BHGLTA053-01
BHGLTA053-02
BHGLTA054-01
BHGLTA054-02
BHGLTA054-03
BHGLTA054-DUP01

Dichlorodifluoromethane	1,1,2,2-Trichloroethane	1,2,3-Trichloropropane
BHGLTA053-01	BHGLTA053-01	BHGLTA053-01
BHGLTA054-02	BHGLTA054-02	BHGLTA054-02
BHGLTA054-03	BHGLTA054-03	BHGLTA054-03
BHGLTA054-DUP01	BHGLTA054-DUP01	BHGLTA054-DUP01
UHGLTA051-01		
UHGLTA051-DUP01		

Appendix IX compounds trans-1,4-dichloro-2-butene, 4-methyl-2-pentanone, pentachloroethane and 2-hexanone exceeded the 50% control limit in the continuing calibration. Corrective action and qualification is not applied to Appendix IX calibration outliers.

Sample TB040798 received a "U" qualifier for methylene chloride due to contamination in the method blank. Sample BHGLTA054-03 received a "U" qualifier for acetone due to contamination in the associated equipment blank, EB040798.

Semi-Volatile Organics (SW8270B) - The benzoic acid and 2,4-dinitrophenol results in samples BHGLTA054-02, UHGLTA051-01, EB040698 and EB040798 are deemed unusable and flagged "R" due to a percent difference exceedance in the continuing calibration verification.

The following Appendix IX compounds exceeded the 50% control limit in the continuing calibration: N-nitrosomethylethylamine, N-nitrosopiperidine, a,a-dimethylphenethylamine, p-phenethyldiamine, methapyrilene and 3,3'-dimethylbenzidine. Corrective action and qualification is not applied to Appendix IX calibration outliers for continuing calibrations.

The percent recovery for hexachlorocyclopentadiene in the water LCS was below 10%; therefore, the hexachlorocyclopentadiene results for water samples UHGLTA051-01, UHGLTA051-DUP01, EB040698 and EB040798 are rejected and flagged "R".

The MS and MSD percent recoveries were below the control limits for chrysene and dibenz(a,h)anthracene in spiked surface water sample UHGLTA051-01. These results for samples UHGLTA051-01 and UHGLTA051-DUP01 are qualified as estimated and flagged "UJ".

The internal standard area count was below the control limit for 1,4-dichlorobenzene-d_4 in sample EB040698. The results for aniline, benzyl alcohol, bis(2-chloroethyl)ether, bis(2-chloroisopropyl)ether, 2-chlorophenol, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, ethyl methanesulfonate, hexachloroethane, methyl methanesulfonate, 2-methylphenol, 4-methylphenol, N-nitrosodimethylamine, N-nitroso-di-n-propylamine, phenol and 2-picoline are qualified and flagged "UJ".

The bis(2-ethylhexyl)phthalate results for samples BHGLTA054-01, BHGLTA054-02, BHGLTA054-03 and BHGLTA054-DUP01 were raised to the SQL and flagged "U" due to contamination in the associated equipment blank EB040798.

The bis(2-ethylhexyl)phthalate result for sample UHGLTA051-01 was qualified as estimated and flagged "UJ", and flagged "J" for sample UHGLTA051-DUP01 due to poor precision between the field sample and its duplicate.

Pesticides/PCBs (SW8080) - The methoxychlor results in all samples in this SDG except BHGLTA053-01 are deemed unusable and flagged "R" due to a percent difference exceedance in the continuing calibration verification.

Herbicides (SW8150B) - The percent recovery for surrogate DCAA was below 10% for sample BHGLTA052-01; therefore, the results are rejected and flagged "R".

Sample BHGLTA052-01RE was re-extracted eight days outside of the 14 day extraction holding time; therefore, the results are qualified as estimated and flagged "UJ". The reanalysis data are the better of the two results.

Organophosphorous Pesticides (SW8140) - The LCS percent recovery was below the control limits for dimethoate; therefore, the soil results for this SDG are qualified as estimated and flagged "UJ".

Percent recoveries were below the control limit for surrogate compound tributylphosphate in all soil samples and surface water sample UHGLTA051-01, and for surrogate compound triphenylphosphate in samples BHGLTA052-01 and BHGLTA053-01. The results for samples BHGLTA052-01 and BHGLTA053-01 are qualified and flagged "UJ".

Dioxins/Furans (SW8280) - The dioxin/furan data are usable and do not require qualification.

ICP Metals (SW6010A) - The soil samples in this SDG received a "U" qualifier for tin due to contamination in the preparation blank.

The MS and MSD percent recoveries were below the control limit for antimony in spiked sample BHGLTA053-01. The antimony results for the soil samples in this SDG were qualified as estimated and flagged "UJ".

Mercury (SW7470A) - The mercury data are usable and do not require qualification.

Sulfide (SW9030) - Sample EB040698 was analyzed three days outside of the seven day holding time; therefore, the result is qualified as estimated and flagged "UJ".

Sulfide was analyzed by EPA screening method SW9030; therefore, all results in this SDG are qualified with "S" flags.

<u>Cyanide (SW9012)</u> - Soil results in this SDG received "UJ" qualifiers for cyanide due to negative blank contamination in the ICB, CCBs and preparation blank. Sample BHGLTA052-01 retained the "F" qualifier for cyanide results. Both sets of MS/MSDs were performed outside of the holding times. Qualification of the data was not applied because the parent samples were analyzed within holding times and were non-detect for cyanide.

TAB

Appendix F

APPENDIX F

GEOPHYSICAL DATA

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
300.0	0.0	75.318	-0.602
300.0	5.0	75.286	-0.773
300.0	10.0	77.332	0.102
300.0	15.0	82.122	0.442
300.0	20.0	85.509	0.422
300.0	25.0	84.748	0.472
300.0	30.0	82.702	0.428
300.0	35.0	83.13	0.527
300.0	40.0	85.174	0.521
300.0	45.0	86.456	0.562
300.0	50.0	86.456	0.558
300.0	55.0	87.128	0.602
300.0	60.0	86.578	0.549
300.0	65.0	87.768	0.641
300.0	70.0	87.676	0.705
300.0	75.0	85.358	0.687
300.0	80.0	86.396	0.588
300.0	85.0	88.074	0.738
300.0	90.0	81.023	1.034
300.0	95.0	82.366	0.817
300.0	100.0	83.558	0.626
300.0	105.0	81.542	0.597
300.0	110.0	84.014	0.731
300.0	115.0	87.128	0.736
300.0	120.0	85.114	0.736
300.0	125.0	86.06	0.735
300.0	130.0	86.976	0.677
300.0	135.0	86.762	0.565
300.0	140.0	86.12	0.512
300.0	145.0	84.656	0.496
300.0	150.0	83.74	0.361
300.0	155.0	83.71	0.418
300.0	160.0	83.984	0.352
300.0	165.0	81.268	0.282
300.0	170.0	75.928	0.2
300.0	175.0	75.5	0.132
300.0	180.0	77.514	0.045
300.0	185.0	72.236	-0.086
300.0	190.0	70.282	-0.174

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
300.0	195.0	67.444	-0.286
300.0	200.0	65.186	-0.275
300.0	205.0	63.598	-0.378
300.0	210.0	63.05	-0.391
300.0	215.0	61.524	-0.457
300.0	220.0	58.198	-0.529
300.0	225.0	55.328	-0.65
300.0	230.0	53.68	-0.722
300.0	235.0	54.23	-0.806
300.0	240.0	56.122	-0.832
300.0	245.0	56.122	-0.824
300.0	250.0	54.992	-0.793
300.0	255.0	54.078	-0.802
300.0	260.0	54.688	-0.762
300.0	265.0	54.78	-0.769
300.0	270.0	53.802	-0.775
300.0	275.0	54.534	-0.79
300.0	280.0	54.78	-0.773
300.0	285.0	55.084	-0.718
300.0	290.0	55.48	-0.67
300.0	295.0	55.816	-0.698
300.0	300.0	57.404	-0.667
300.0	305.0	58.898	-0.677
300.0	310.0	58.96	-0.677
300.0	315.0	57.83	-0.722
300.0	320.0	56.366	-0.733
300.0	325.0	56.244	-0.753
300.0	330.0	55.726	-0.79
300.0	335.0	56	-0.554
300.0	340.0	58.442	-0.464
300.0	345.0	52.734	-5.743
300.0	350.0	50.994	-6.668
300.0	355.0	54.016	-2.451
300.0	360.0	54.84	0.102
300.0	365.0	54.902	-0.514
300.0	370.0	54.322	-0.826
300.0	375.0	53.498	-0.85
300.0	380.0	53.498	-0.801
300.0	385.0	54.656	-0.797

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
300.0	390.0	54.168	-0.791
300.0	395.0	52.186	-0.99
300.0	400.0	51.484	-0.938
300.0	405.0	51.574	-0.916
300.0	410.0	51.94	-0.819
300.0	415.0	52.186	-0.814
300.0	420.0	52.032	-0.788
300.0	425.0	51.758	-0.876
300.0	430.0	51.91	-0.948
300.0	435.0	51.544	-0.894
300.0	440.0	51.452	-0.924
300.0	445.0	51.94	-0.854
300.0	450.0	51.696	-0.815
300.0	455.0	51.026	-0.804
300.0	460.0	51.3	-0.802
300.0	465.0	51.484	-0.788
300.0	470.0	51.85	-0.824
300.0	475.0	51.636	-0.9
300.0	480.0	50.75	-0.922
300.0	485.0	50.872	-0.85
300.0	490.0	50.538	-0.889
300.0	495.0	49.804	-0.929
300.0	500.0	50.08	-0.88
300.0	505.0	50.446	-0.893
300.0	510.0	50.232	-0.898
300.0	515.0	49.866	-0.984
300.0	520.0	49.438	-1.003
300.0	525.0	48.646	-0.924
300.0	530.0	48.554	-0.984
300.0	535.0	48.096	-1.014
300.0	540.0	47.668	-0.9
300.0	545.0	46.814	-0.96
300.0	550.0	45.014	-0.99
300.0	555.0	43.488	-0.981
300.0	560.0	43.244	-0.935
300.0	565.0	43.244	-0.951
300.0	570.0	43.548	-0.957
300.0	575.0	45.288	-0.959
300.0	580.0	47.608	-0.814

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
300.0	585.0	48.066	-0.867
300.0	590.0	50.354	-0.883
300.0	595.0	52.704	-0.839
300.0	600.0	53.436	-0.85
300.0	605.0	53.68	-0.768
300.0	610.0	53.162	-0.751
300.0	615.0	53.192	-0.78
300.0	620.0	54.596	-0.769
300.0	625.0	55.542	-0.744
300.0	630.0	55.39	-0.654
300.0	635.0	55.726	-0.644
300.0	640.0	57.586	-0.626
300.0	645.0	57.74	-0.633
300.0	650.0	56.824	-0.676
300.0	655.0	55.39	-0.643
300.0	660.0	53.772	-0.578
300.0	665.0	53.802	-0.558
300.0	670.0	54.2	-0.571
300.0	675.0	55.146	-0.529
300.0	680.0	55.97	-0.558
300.0	685.0	55.176	-0.58
300.0	690.0	54.322	-0.507
300.0	695.0	53.376	-0.565
300.0	700.0	52.948	-0.681
300.0	705.0	52.704	-0.663
300.0	710.0	53.284	-0.619
300.0	715.0	53.376	-0.661
300.0	720.0	52.276	-0.714
300.0	725.0	51.392	-0.714
300.0	730.0	51.3	-0.744
300.0	735.0	51.636	-0.797
300.0	740.0	52.368	-0.808
300.0	745.0	53.528	-0.782
300.0	750.0	54.688	-0.738
300.0	755.0	54.26	-0.698
300.0	760.0	54.2	-0.632
300.0	765.0	54.626	-0.598
300.0	770.0	55.176	-0.578
300.0	775.0	55.42	-0.494

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
300.0	780.0	55.42	-0.463
300.0	785.0	55.024	-0.505
300.0	790.0	55.908	-0.54
300.0	795.0	57.77	-0.45
300.0	800.0	57.342	-0.523
300.0	805.0	57.282	-0.532
300.0	810.0	58.288	-0.516
300.0	815.0	59.418	-0.466
300.0	820.0	59.722	-0.446
300.0	825.0	59.112	-0.497
300.0	830.0	57.922	-0.518
300.0	835.0	57.618	-0.532
300.0	840.0	58.838	-0.496
300.0	845.0	59.326	-0.488
300.0	850.0	59.754	-0.464
300.0	855.0	59.692	-0.446
300.0	860.0	60.364	-0.45
300.0	865.0	62.012	-0.367
300.0	870.0	62.256	-0.437
300.0	875.0	62.012	-0.433
300.0	880.0	61.584	-0.415
300.0	885.0	61.92	-0.33
300.0	890.0	61.798	-0.382
300.0	895.0	60.456	-0.45
300.0	900.0	59.052	-0.464
300.0	905.0	58.594	-0.42
300.0	910.0	58.686	-0.435
300.0	915.0	58.868	-0.439
300.0	920.0	59.296	-0.409
300.0	925.0	59.906	-0.485
300.0	930.0	59.754	-0.519
300.0	935.0	59.478	-0.505
300.0	940.0	59.998	-0.424
300.0	945.0	60.028	-0.472
300.0	950.0	59.844	-0.497
300.0	955.0	59.906	-0.518
300.0	960.0	59.692	-0.663
300.0	965.0	59.02	-0.597
300.0	970.0	58.898	-0.534

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
300.0	975.0	58.502	-0.545
300.0	980.0	58.166	-0.494
300.0	985.0	58.776	-0.518
300.0	990.0	59.754	-0.567
300.0	995.0	59.6	-0.551
300.0	1000.0	59.57	-0.481
300.0	1005.0	59.692	-0.523
300.0	1010.0	59.968	-0.468
300.0	1015.0	60.302	-0.442
300.0	1020.0	61.066	-0.428
300.0	1025.0	61.584	-0.411
300.0	1030.0	61.462	-0.486
300.0	1035.0	62.348	-0.492
300.0	1040.0	64.422	-0.442
300.0	1045.0	65.978	-0.36
300.0	1050.0	65.156	-0.367
300.0	1055.0	63.874	-0.437
300.0	1060.0	63.446	-0.477
300.0	1065.0	62.592	-0.457
300.0	1070.0	61.554	-0.468
300.0	1075.0	60.914	-0.485
300.0	1080.0	60.12	-0.505
300.0	1085.0	58.99	-0.507
300.0	1090.0	58.654	-0.519
300.0	1095.0	59.54	-0.54
300.0	1100.0	59.51	-0.542
300.0	1105.0	58.716	-0.56
300.0	1110.0	58.532	-0.547
300.0	1115.0	58.868	-0.615
300.0	1120.0	58.442	-0.61
300.0	1125.0	58.074	-0.562
300.0	1130.0	58.502	-0.542
300.0	1135.0	59.6	-0.525
300.0	1140.0	60.212	-0.523
300.0	1145.0	60.456	-0.49
300.0	1150.0	60.944	-0.516
300.0	1155.0	61.738	-0.485
300.0	1160.0	61.646	-0.474
300.0	1165.0	61.036	-0.505

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
300.0	1170.0	61.646	-0.521
300.0	1175.0	62.592	-0.507
300.0	1180.0	62.744	-0.569
300.0	1185.0	62.012	-0.556
300.0	1190.0	62.438	-0.488
300.0	1195.0	63.384	-0.448
300.0	1200.0	62.958	-0.518
280.0	1200.0	65.216	-0.523
280.0	1195.0	65.674	-0.486
280.0	1190.0	64.576	-0.536
280.0	1185.0	62.896	-0.569
280.0	1180.0	62.348	-0.499
280.0	1175.0	63.05	-0.681
280.0	1170.0	63.05	-0.619
280.0	1165.0	62.256	-0.569
280.0	1160.0	61.92	-0.604
280.0	1155.0	61.37	-0.648
280.0	1150.0	61.584	-0.674
280.0	1145.0	60.73	-0.652
280.0	1140.0	59.876	-0.652
280.0	1135.0	58.868	-0.646
280.0	1130.0	59.082	-0.588
280.0	1125.0	59.326	-0.648
280.0	1120.0	58.96	-0.663
280.0	1115.0	59.082	-0.63
280.0	1110.0	59.266	-0.589
280.0	1105.0	59.052	-0.578
280.0	1100.0	58.38	-0.641
280.0	1095.0	59.356	-0.527
280.0	1090.0	60.394	-0.505
280.0	1085.0	61.554	-0.457
280.0	1080.0	64.208	-0.461
280.0	1075.0	66.132	-0.424
280.0	1070.0	66.376	-0.328
280.0	1065.0	66.558	-0.308
280.0	1060.0	66.649	-0.321
280.0	1055.0	63.232	-0.338
280.0	1050.0	61.982	-0.356
280.0	1045.0	61.614	-0.404

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
280.0	1040.0	63.476	-0.332
280.0	1035.0	69.152	-0.385
280.0	1030.0	68.97	-0.378
280.0	1025.0	65.522	-0.43
280.0	1020.0	65.612	-0.433
280.0	1015.0	66.224	-0.413
280.0	1010.0	64.972	-0.418
280.0	1005.0	63.69	-0.422
280.0	1000.0	61.554	-0.426
280.0	995.0	60.852	-0.47
280.0	990.0	61.524	-0.567
280.0	985.0	61.462	-0.527
280.0	980.0	60.974	-0.518
280.0	975.0	60.7	-0.505
280.0	970.0	61.066	-0.483
280.0	965.0	61.584	-0.453
280.0	960.0	61.096	-0.435
280.0	955.0	60.882	-0.413
280.0	950.0	60.668	-0.395
280.0	945.0	60.882	-0.349
280.0	940.0	61.004	-0.42
280.0	935.0	61.89	-0.452
280.0	930.0	62.592	-0.4
280.0	925.0	62.316	-0.472
280.0	920.0	62.806	-0.413
280.0	915.0	63.294	-0.373
280.0	910.0	64.362	-0.319
280.0	905.0	63.416	-0.317
280.0	900.0	61.248	-0.387
280.0	895.0	60.424	-0.395
280.0	890.0	59.936	-0.384
280.0	885.0	60.302	-0.446
280.0	880.0	60.944	-0.578
280.0	875.0	61.706	-0.597
280.0	870.0	61.218	-0.637
280.0	865.0	59.57	-0.606
280.0	860.0	59.082	-0.551
280.0	855.0	60.12	-0.536
280.0	850.0	61.492	-0.509

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
280.0	845.0	60.578	-0.529
280.0	840.0	60.028	-0.6
280.0	835.0	60.242	-0.757
280.0	830.0	62.104	-0.758
280.0	825.0	63.782	-0.733
280.0	820.0	61.218	-0.655
280.0	815.0	57.16	-0.749
280.0	810.0	59.478	-0.598
280.0	805.0	60.882	-0.663
280.0	800.0	58.594	-0.615
280.0	795.0	57.16	-0.593
280.0	790.0	57.25	-0.659
280.0	785.0	56.458	-0.646
280.0	780.0	56.092	-0.657
280.0	775.0	55.176	-0.801
280.0	770.0	54.26	-0.797
280.0	765.0	54.322	-0.685
280.0	760.0	53.284	-0.644
280.0	755.0	52.674	-0.644
280.0	750.0	53.284	-0.626
280.0	745.0	53.558	-0.683
280.0	740.0	52.856	-0.725
280.0	735.0	52.338	-0.78
280.0	730.0	52.612	-0.766
280.0	725.0	52.582	-0.749
280.0	720.0	53.956	-0.751
280.0	715.0	54.688	-0.663
280.0	710.0	54.626	-0.729
280.0	705.0	56.06	-0.464
280.0	700.0	52.338	-2.811
280.0	695.0	46.234	-4.47
280.0	690.0	60.09	-0.984
280.0	685.0	62.774	-5.883
280.0	680.0	50.476	-6.776
280.0	675.0	54.474	3.928
280.0	670.0	58.808	0.854
280.0	665.0	57.16	0.08
280.0	660.0	60.668	2.133
280.0	655.0	62.806	1.142

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
280.0	650.0	59.478	-0.286
280.0	645.0	54.748	-1.043
280.0	640.0	52.674	0.058
280.0	635.0	55.512	2.882
280.0	630.0	58.502	2.655
280.0	625.0	54.656	0.35
280.0	620.0	51.086	-0.707
280.0	615.0	50.72	-0.687
280.0	610.0	51.33	0.189
280.0	605.0	51.606	1.265
280.0	600.0	51.696	1.506
280.0	595.0	52.032	0.887
280.0	590.0	49.652	-0.119
280.0	585.0	47.21	-0.959
280.0	580.0	47.546	-1.006
280.0	575.0	47.272	-1.06
280.0	570.0	46.906	-1.074
280.0	565.0	46.174	-1.06
280.0	560.0	44.616	-1.073
280.0	555.0	44.586	-1.084
280.0	550.0	45.318	-0.984
280.0	545.0	46.174	-0.942
280.0	540.0	45.776	-1.021
280.0	535.0	45.868	-0.887
280.0	530.0	46.966	-0.905
280.0	525.0	46.966	-0.9
280.0	520.0	47.332	-0.891
280.0	515.0	47.912	-0.836
280.0	510.0	48.126	-0.83
280.0	505.0	47.698	-0.725
280.0	500.0	48.646	-0.712
280.0	495.0	50.538	-0.948
280.0	490.0	50.018	-0.893
280.0	485.0	49.592	-0.889
280.0	480.0	49.866	-0.944
280.0	475.0	50.416	-0.859
280.0	470.0	50.812	-1.03
280.0	465.0	52.154	-1.051
280.0	460.0	53.742	-0.915

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
280.0	455.0	52.674	-0.931
280.0	450.0	51.3	-0.982
280.0	445.0	52.552	-0.92
280.0	440.0	53.71	-0.812
280.0	435.0	53.62	-0.83
280.0	430.0	54.108	-0.916
280.0	425.0	54.168	-0.97
280.0	420.0	54.138	-0.894
280.0	415.0	57.648	-0.907
280.0	410.0	59.448	-0.826
280.0	405.0	55.39	-0.78
280.0	400.0	51.636	-0.859
280.0	395.0	51.208	-0.841
280.0	390.0	56.092	-0.725
280.0	385.0	58.868	-0.723
280.0	380.0	58.472	-0.753
280.0	375.0	56.58	-0.812
280.0	370.0	55.97	-0.865
280.0	365.0	57.434	-0.791
280.0	360.0	58.136	-0.87
280.0	355.0	58.258	-0.808
280.0	350.0	58.716	-0.841
280.0	345.0	59.266	-0.814
280.0	340.0	59.204	-0.777
280.0	335.0	58.532	-0.72
280.0	330.0	58.96	-0.7
280.0	325.0	60.76	-0.722
280.0	320.0	62.896	-0.694
280.0	315.0	63.416	-0.683
280.0	310.0	61.706	-0.676
280.0	305.0	60.09	-0.716
280.0	300.0	60.09	-0.771
280.0	295.0	59.54	-0.771
280.0	290.0	58.654	-0.782
280.0	285.0	57.678	-0.869
280.0	280.0	56.06	-0.847
280.0	275.0	55.726	-0.808
280.0	270.0	56.762	-0.76
280.0	265.0	55.908	-0.738

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
280.0	260.0	55.146	-0.791
280.0	255.0	55.146	-0.694
280.0	250.0	55.572	-0.661
280.0	245.0	55.694	-0.771
280.0	240.0	55.298	-0.795
280.0	235.0	55.206	-0.874
280.0	230.0	54.626	-0.852
280.0	225.0	54.29	-0.845
280.0	220.0	56.304	-0.745
280.0	215.0	59.204	-0.65
280.0	210.0	61.096	-0.562
280.0	205.0	62.042	-0.51
280.0	200.0	63.782	-0.497
280.0	195.0	65.552	-0.382
280.0	190.0	67.474	-0.338
280.0	185.0	68.97	-0.396
280.0	180.0	70.862	-0.288
280.0	175.0	72.539	-0.2
280.0	170.0	74.036	-0.069
280.0	165.0	75.897	0.055
280.0	160.0	77.79	0.148
280.0	155.0	79.59	0.176
280.0	150.0	81.848	0.325
280.0	145.0	83.496	0.398
280.0	140.0	85.052	0.439
280.0	135.0	84.93	0.387
280.0	130.0	85.144	0.519
280.0	125.0	85.754	0.536
280.0	120.0	86.762	0.488
280.0	115.0	87.098	0.683
280.0	110.0	86.854	0.633
280.0	105.0	86.7	0.63
280.0	100.0	87.006	0.496
280.0	95.0	86.73	0.45
280.0	90.0	86.518	0.448
280.0	85.0	86.64	0.488
280.0	80.0	85.694	0.428
280.0	75.0	84.046	0.369
280.0	70.0	83.954	0.376

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
280.0	65.0	84.29	0.42
280.0	60.0	84.26	0.446
280.0	55.0	84.534	0.47
280.0	50.0	84.748	0.468
280.0	45.0	84.32	0.424
280.0	40.0	84.564	0.382
280.0	35.0	82.672	0.363
280.0	30.0	78.034	0.18
280.0	25.0	77.698	0.209
280.0	20.0	79.56	0.18
280.0	15.0	79.772	0.016
280.0	10.0	76.722	-0.101
280.0	5.0	73.913	0.005
280.0	0.0	73.516	-0.025
260.0	0.0	64.086	-0.235
260.0	5.0	64.758	-0.165
260.0	10.0	68.268	-0.025
260.0	15.0	71.044	0.005
260.0	20.0	72.204	0.082
260.0	25.0	74.89	0.112
260.0	30.0	78.522	0.128
260.0	35.0	78.826	0.209
260.0	40.0	80.262	0.312
260.0	45.0	83.802	0.418
260.0	50.0	85.022	0.409
260.0	55.0	83.618	0.376
260.0	60.0	82.55	0.406
260.0	65.0	82.764	0.431
260.0	70.0	82.794	0.459
260.0	75.0	82.946	0.505
260.0	80.0	83.618	0.411
260.0	85.0	83.222	0.33
260.0	90.0	83.282	0.374
260.0	95.0	84.626	0.404
260.0	100.0	84.808	0.435
260.0	105.0	84.382	0.442
260.0	110.0	84.748	0.477
260.0	115.0	85.144	0.437
260.0	120.0	85.358	0.444

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
260.0	125.0	85.358	0.396
260.0	130.0	85.114	0.332
260.0	135.0	86.03	0.33
260.0	140.0	84.992	0.24
260.0	145.0	83.984	0.301
260.0	150.0	83.558	0.279
260.0	155.0	81.054	0.119
260.0	160.0	77.24	-0.049
260.0	165.0	74.676	-0.172
260.0	170.0	71.044	-0.238
260.0	175.0	68.726	-0.233
260.0	180.0	68.39	-0.26
260.0	185.0	67.108	-0.316
260.0	190.0	65.216	-0.328
260.0	195.0	63.172	-0.338
260.0	200.0	61.462	-0.485
260.0	205.0	60.546	-0.521
260.0	210.0	59.326	-0.569
260.0	215.0	58.258	-0.578
260.0	220.0	57.77	-0.622
260.0	225.0	57.83	-0.665
260.0	230.0	58.502	-0.736
260.0	235.0	58.258	-0.722
260.0	240.0	55.084	-0.83
260.0	245.0	54.322	-0.76
260.0	250.0	56.488	-0.824
260.0	255.0	55.848	-0.729
260.0	260.0	55.512	-0.854
260.0	265.0	56.58	-0.834
260.0	270.0	57.862	-0.808
260.0	275.0	57.952	-0.773
260.0	280.0	58.014	-0.735
260.0	285.0	59.478	-0.716
260.0	290.0	60.212	-0.74
260.0	295.0	59.936	-0.83
260.0	300.0	59.844	-0.788
260.0	305.0	59.722	-0.725
260.0	310.0	59.844	-0.639
260.0	315.0	60.394	-0.584

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
260.0	320.0	59.478	-0.663
260.0	325.0	58.838	-0.69
260.0	330.0	63.232	-0.547
260.0	335.0	64.148	-0.657
260.0	340.0	58.96	-0.762
260.0	345.0	57.464	-0.841
260.0	350.0	58.35	-0.764
260.0	355.0	58.166	-0.769
260.0	360.0	58.044	-0.784
260.0	365.0	58.044	-0.858
260.0	370.0	57.342	-0.834
260.0	375.0	58.044	-0.804
260.0	380.0	59.266	-0.837
260.0	385.0	62.378	-0.709
260.0	390.0	63.568	-0.679
260.0	395.0	58.838	-0.834
260.0	400.0	55.358	-0.83
260.0	405.0	54.596	-0.828
260.0	410.0	58.136	-0.705
260.0	415.0	60.7	-0.749
260.0	420.0	57.404	-0.711
260.0	425.0	54.504	-0.802
260.0	430.0	54.534	-0.79
260.0	435.0	55.268	-0.847
260.0	440.0	55.878	-0.828
260.0	445.0	55.328	-0.841
260.0	450.0	54.138	-0.836
260.0	455.0	53.192	-0.821
260.0	460.0	52.49	-0.797
260.0	465.0	51.666	-0.847
260.0	470.0	51.606	-0.839
260.0	475.0	52.002	-0.786
260.0	480.0	50.476	-0.576
260.0	485.0	49.012	-6.061
260.0	490.0	50.72	-1.962
260.0	495.0	50.75	-6.563
260.0	500.0	51.148	-5.571
260.0	505.0	52.43	-1.012
260.0	510.0	49.042	-2.535

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
260.0	515.0	46.874	-1.337
260.0	520.0	47.058	-1.062
260.0	525.0	48.554	-1.15
260.0	530.0	49.134	-0.852
260.0	535.0	48.676	-0.839
260.0	540.0	49.286	-1.014
260.0	545.0	50.11	-0.97
260.0	550.0	49.836	-0.909
260.0	555.0	49.256	-0.902
260.0	560.0	49.012	-0.937
260.0	565.0	48.706	-1.304
260.0	570.0	48.828	-1.273
260.0	575.0	49.224	-1.242
260.0	580.0	50.11	-0.927
260.0	585.0	49.316	-0.902
260.0	590.0	50.048	-1.041
260.0	595.0	51.27	-0.863
260.0	600.0	51.696	-0.858
260.0	605.0	53.498	-0.67
260.0	610.0	54.138	-0.716
260.0	615.0	53.284	-0.672
260.0	620.0	52.978	-0.652
260.0	625.0	53.588	-0.488
260.0	630.0	54.902	-0.271
260.0	635.0	55.236	-0.415
260.0	640.0	55.878	-0.141
260.0	645.0	56.884	0.536
260.0	650.0	56.214	0.226
260.0	655.0	55.084	-0.358
260.0	660.0	54.626	-0.554
260.0	665.0	54.902	-0.542
260.0	670.0	55.146	-0.435
260.0	675.0	55.236	-0.356
260.0	680.0	55.268	-0.402
260.0	685.0	54.382	-0.288
260.0	690.0	53.528	-0.308
260.0	695.0	53.376	-0.358
260.0	700.0	53.986	-0.387
260.0	705.0	55.114	-0.518

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
260.0	710.0	56.152	-0.586
260.0	715.0	54.718	-0.69
260.0	720.0	53.07	-0.821
260.0	725.0	54.444	-0.747
260.0	730.0	55.084	-0.731
260.0	735.0	54.382	-0.657
260.0	740.0	53.588	-0.806
260.0	745.0	53.254	-0.944
260.0	750.0	53.65	-0.92
260.0	755.0	53.986	-0.768
260.0	760.0	53.832	-0.608
260.0	765.0	53.802	-0.679
260.0	770.0	54.504	-0.69
260.0	775.0	54.382	-0.801
260.0	780.0	54.168	-0.79
260.0	785.0	54.412	-0.777
260.0	790.0	55.298	-0.733
260.0	795.0	55.146	-0.72
260.0	800.0	54.504	-0.893
260.0	805.0	53.924	-0.859
260.0	810.0	54.29	-0.729
260.0	815.0	56.794	-0.718
260.0	820.0	58.776	-0.674
260.0	825.0	58.106	-0.698
260.0	830.0	56.854	-0.689
260.0	835.0	56.824	-0.687
260.0	840.0	58.198	-0.703
260.0	845.0	58.074	-0.808
260.0	850.0	57.006	-0.714
260.0	855.0	57.556	-0.683
260.0	860.0	59.54	-0.531
260.0	865.0	60.456	-0.475
260.0	870.0	59.356	-0.497
260.0	875.0	59.296	-0.463
260.0	880.0	62.072	-0.385
260.0	885.0	63.752	-0.431
260.0	890.0	63.08	-0.422
260.0	895.0	61.218	-0.431
260.0	900.0	60.882	-0.424

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
260.0	905.0	63.476	-0.373
260.0	910.0	65.856	-0.402
260.0	915.0	66.834	-0.369
260.0	920.0	66.009	-0.356
260.0	925.0	65.278	-0.312
260.0	930.0	65.308	-0.317
260.0	935.0	65.948	-0.385
260.0	940.0	66.284	-0.332
260.0	945.0	66.498	-0.308
260.0	950.0	66.406	-0.4
260.0	955.0	65.734	-0.358
260.0	960.0	64.942	-0.361
260.0	965.0	65.124	-0.453
260.0	970.0	65.522	-0.457
260.0	975.0	65.826	-0.365
260.0	980.0	66.04	-0.349
260.0	985.0	65.796	-0.259
260.0	990.0	65.552	-0.411
260.0	995.0	65.032	-0.507
260.0	1000.0	65.278	-0.391
260.0	1005.0	65.766	-0.327
260.0	1010.0	66.254	-0.365
260.0	1015.0	66.468	-0.297
260.0	1020.0	66.284	-0.27
260.0	1025.0	65.582	-0.316
260.0	1030.0	66.04	-0.293
260.0	1035.0	66.986	-0.361
260.0	1040.0	67.81	-0.354
260.0	1045.0	68.238	-0.35
260.0	1050.0	68.146	-0.369
260.0	1055.0	68.238	-0.4
260.0	1060.0	70.16	-0.371
260.0	1065.0	71.166	-0.4
260.0	1070.0	69.152	-0.479
260.0	1075.0	66.68	-0.361
260.0	1080.0	67.292	-0.361
260.0	1085.0	66.956	-0.494
260.0	1090.0	58.776	-0.531
260.0	1095.0	58.106	-0.521

512 159

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
260.0	1100.0	64.178	-0.564
260.0	1105.0	65.308	-0.565
260.0	1110.0	62.562	-0.595
260.0	1115.0	60.424	-0.751
260.0	1120.0	58.624	-0.716
260.0	1125.0	58.776	-0.703
260.0	1130.0	60.15	-0.676
260.0	1135.0	60.792	-0.626
260.0	1140.0	61.768	-0.606
260.0	1145.0	62.592	-0.595
260.0	1150.0	63.11	-0.549
260.0	1155.0	62.378	-0.589
260.0	1160.0	61.34	-0.589
260.0	1165.0	60.028	-0.617
260.0	1170.0	59.204	-0.657
260.0	1175.0	60.546	-0.661
260.0	1180.0	62.622	-0.679
260.0	1185.0	63.262	-0.621
260.0	1190.0	63.08	-0.646
260.0	1195.0	61.554	-0.633
260.0	1200.0	62.714	-0.689
240.0	1200.0	57.19	-0.824
240.0	1195.0	57.496	-0.76
240.0	1190.0	57.83	-0.663
240.0	1185.0	59.754	-0.687
240.0	1180.0	61.584	-0.663
240.0	1175.0	62.408	-0.731
240.0	1170.0	62.988	-0.731
240.0	1165.0	61.036	-0.667
240.0	1160.0	55.756	-0.617
240.0	1155.0	57.952	-0.584
240.0	1150.0	63.232	-0.534
240.0	1145.0	65.064	-0.562
240.0	1140.0	63.384	-0.518
240.0	1135.0	62.744	-0.512
240.0	1130.0	62.316	-0.525
240.0	1125.0	62.53	-0.486
240.0	1120.0	63.476	-0.604
240.0	1115.0	63.598	-0.6

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
240.0	1110.0	63.72	-0.556
240.0	1105.0	63.842	-0.576
240.0	1100.0	64.178	-0.521
240.0	1095.0	65.032	-0.519
240.0	1090.0	65.552	-0.492
240.0	1085.0	66.68	-0.4
240.0	1080.0	68.726	-0.36
240.0	1075.0	69.458	-0.306
240.0	1070.0	71.502	-0.231
240.0	1065.0	71.99	-0.279
240.0	1060.0	70.678	-0.192
240.0	1055.0	71.29	-0.163
240.0	1050.0	72.968	-0.163
240.0	1045.0	74.584	-0.117
240.0	1040.0	75.042	-0.069
240.0	1035.0	75.318	-0.003
240.0	1030.0	76.05	-0.009
240.0	1025.0	74.432	-0.068
240.0	1020.0	72.509	-0.005
240.0	1015.0	71.93	0.011
240.0	1010.0	70.466	-0.042
240.0	1005.0	67.84	-0.33
240.0	1000.0	66.68	-0.214
240.0	995.0	66.132	-0.209
240.0	990.0	66.04	-0.349
240.0	985.0	66.07	-0.404
240.0	980.0	66.742	-0.494
240.0	975.0	67.292	-0.551
240.0	970.0	66.742	-0.51
240.0	965.0	65.46	-0.457
240.0	960.0	65.918	-0.373
240.0	955.0	67.718	-0.277
240.0	950.0	66.649	-0.229
240.0	945.0	63.63	-0.45
240.0	940.0	62.042	-0.519
240.0	935.0	61.92	-0.536
240.0	930.0	63.05	-0.463
240.0	925.0	63.294	-0.534
240.0	920.0	62.836	-0.47

512 160

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
240.0	915.0	62.866	-0.38
240.0	910.0	63.72	-0.404
240.0	905.0	64.972	-0.339
240.0	900.0	65.124	-0.398
240.0	895.0	64.91	-0.479
240.0	890.0	64.666	-0.448
240.0	885.0	64.3	-0.565
240.0	880.0	63.874	-0.538
240.0	875.0	63.904	-0.497
240.0	870.0	63.812	-0.497
240.0	865.0	62.194	-0.499
240.0	860.0	61.432	-0.558
240.0	855.0	60.272	-0.545
240.0	850.0	58.624	-0.575
240.0	845.0	57.496	-0.628
240.0	840.0	56.426	-0.723
240.0	835.0	56	-0.749
240.0	830.0	55.878	-0.762
240.0	825.0	55.084	-0.848
240.0	820.0	53.558	-0.898
240.0	815.0	54.566	-0.837
240.0	810.0	55.878	-0.674
240.0	805.0	56.976	-0.316
240.0	800.0	57.404	-0.319
240.0	795.0	56.396	-0.448
240.0	790.0	55.084	-0.554
240.0	785.0	54.81	-0.696
240.0	780.0	56.214	0.771
240.0	775.0	55.97	1.955
240.0	770.0	53.62	-0.165
240.0	765.0	52.918	-1.49
240.0	760.0	53.62	-0.679
240.0	755.0	53.222	-0.637
240.0	750.0	52.734	-0.654
240.0	745.0	52.674	-0.824
240.0	740.0	53.284	-0.266
240.0	735.0	54.688	0.777
240.0	730.0	55.908	-0.946
240.0	725.0	56.732	-1.207

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
240.0	720.0	57.526	-0.931
240.0	715.0	55.512	-0.79
240.0	710.0	53.588	-0.679
240.0	705.0	54.23	-0.784
240.0	700.0	56.458	-0.663
240.0	695.0	56.976	-0.757
240.0	690.0	54.688	-1.466
240.0	685.0	52.948	1.161
240.0	680.0	52.582	3.272
240.0	675.0	52.154	-0.082
240.0	670.0	54.23	-1.604
240.0	665.0	55.054	-0.891
240.0	660.0	54.78	-0.863
240.0	655.0	54.138	-0.948
240.0	650.0	53.466	-0.988
240.0	645.0	54.046	-0.988
240.0	640.0	55.114	-0.99
240.0	635.0	55.146	-0.96
240.0	630.0	54.932	-0.804
240.0	625.0	55.236	-0.76
240.0	620.0	54.962	-0.973
240.0	615.0	55.48	-0.933
240.0	610.0	56.732	-0.788
240.0	605.0	58.166	-0.755
240.0	600.0	58.41	-0.898
240.0	595.0	57.038	-0.863
240.0	590.0	55.48	-0.804
240.0	585.0	56.122	-0.986
240.0	580.0	55.816	-1.054
240.0	575.0	54.84	-1.062
240.0	570.0	55.054	-1.124
240.0	565.0	54.78	-0.872
240.0	560.0	52.886	-1.482
240.0	555.0	52.216	-1.624
240.0	550.0	52.826	-1.15
240.0	545.0	52.796	-1.853
240.0	540.0	54.29	-1.15
240.0	535.0	54.596	-1.001
240.0	530.0	54.902	-0.96

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
240.0	525.0	55.114	-1.036
240.0	520.0	54.382	-0.949
240.0	515.0	54.046	-0.848
240.0	510.0	54.504	-0.824
240.0	505.0	54.382	-0.784
240.0	500.0	53.07	-0.782
240.0	495.0	52.948	-0.824
240.0	490.0	54.078	-0.872
240.0	485.0	56.58	-0.85
240.0	480.0	59.082	-0.902
240.0	475.0	58.136	-0.896
240.0	470.0	55.298	-0.911
240.0	465.0	53.498	-0.909
240.0	460.0	53.894	-0.951
240.0	455.0	55.114	-0.88
240.0	450.0	55.42	-0.856
240.0	445.0	54.962	-0.845
240.0	440.0	55.176	-0.948
240.0	435.0	57.434	-0.775
240.0	430.0	59.722	-0.396
240.0	425.0	60.792	0.295
240.0	420.0	63.782	1.877
240.0	415.0	67.016	2.544
240.0	410.0	64.758	1.642
240.0	405.0	65.308	0.163
240.0	400.0	65.308	-0.415
240.0	395.0	65.124	-0.679
240.0	390.0	64.728	-0.733
240.0	385.0	63.262	-0.683
240.0	380.0	62.408	-0.652
240.0	375.0	62.256	-0.69
240.0	370.0	61.86	-0.578
240.0	365.0	62.774	-0.534
240.0	360.0	62.256	-0.58
240.0	355.0	60.456	-0.668
240.0	350.0	59.234	-0.624
240.0	345.0	58.776	-0.711
240.0	340.0	59.754	-0.797
240.0	335.0	60.486	-0.863

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
240.0	330.0	60.334	-0.916
240.0	325.0	60.058	-0.745
240.0	320.0	61.524	-0.674
240.0	315.0	62.836	-0.839
240.0	310.0	63.416	-0.902
240.0	305.0	63.232	-0.782
240.0	300.0	62.53	-0.852
240.0	295.0	62.012	-0.861
240.0	290.0	61.31	-0.742
240.0	285.0	61.34	-0.6
240.0	280.0	61.37	-0.698
240.0	275.0	61.34	-0.7
240.0	270.0	61.462	-0.745
240.0	265.0	61.402	-0.676
240.0	260.0	60.76	-0.698
240.0	255.0	59.722	-0.714
240.0	250.0	59.478	-0.738
240.0	245.0	60.424	-0.764
240.0	240.0	61.524	-0.758
240.0	235.0	61.096	-0.716
240.0	230.0	59.968	-0.79
240.0	225.0	59.388	-0.72
240.0	220.0	59.052	-0.753
240.0	215.0	59.876	-0.723
240.0	210.0	60.302	-0.843
240.0	205.0	58.898	-0.824
240.0	200.0	57.526	-0.663
240.0	195.0	58.106	-0.757
240.0	190.0	59.876	-0.637
240.0	185.0	60.608	-0.531
240.0	180.0	60.914	-0.492
240.0	175.0	61.066	-0.455
240.0	170.0	61.828	-0.439
240.0	165.0	64.118	-0.464
240.0	160.0	67.322	-0.43
240.0	155.0	69.428	-0.367
240.0	150.0	72.022	-0.279
240.0	145.0	74.584	-0.248
240.0	140.0	76.752	-0.134

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
240.0	135.0	80.078	0.075
240.0	130.0	81.39	0.104
240.0	125.0	80.78	0.02
240.0	120.0	82.214	0.056
240.0	115.0	84.838	0.236
240.0	110.0	85.114	0.192
240.0	105.0	85.052	0.264
240.0	100.0	85.632	0.367
240.0	95.0	85.206	0.378
240.0	90.0	85.358	0.402
240.0	85.0	85.509	0.347
240.0	80.0	84.686	0.415
240.0	75.0	83.648	0.382
240.0	70.0	82.764	0.292
240.0	65.0	82.154	0.352
240.0	60.0	83.282	0.316
240.0	55.0	84.626	0.231
240.0	50.0	85.662	0.275
240.0	45.0	86.364	0.382
240.0	40.0	87.128	0.317
240.0	35.0	85.358	0.053
240.0	30.0	80.474	-0.073
240.0	25.0	78.43	-0.073
240.0	20.0	81.054	-0.078
240.0	15.0	80.536	-0.117
240.0	10.0	75.378	-0.235
240.0	5.0	69.731	-0.472
240.0	0.0	63.964	-0.632
220.0	0.0	67.352	-0.459
220.0	5.0	70.344	-0.281
220.0	10.0	73.792	-0.187
220.0	15.0	68.45	-0.161
220.0	20.0	68.696	-0.068
220.0	25.0	79.59	0.132
220.0	30.0	85.938	0.227
220.0	35.0	87.952	0.317
220.0	40.0	88.99	0.404
220.0	45.0	87.158	0.36
220.0	50.0	83.618	0.325

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
220.0	55.0	83.068	0.299
220.0	60.0	82.916	0.312
220.0	65.0	82.49	0.371
220.0	70.0	84.29	0.395
220.0	75.0	85.022	0.338
220.0	80.0	82.946	0.316
220.0	85.0	81.208	0.198
220.0	90.0	81.208	0.17
220.0	95.0	82.032	0.167
220.0	100.0	81.36	0.159
220.0	105.0	79.896	0.174
220.0	110.0	78.522	0.056
220.0	115.0	75.958	-0.18
220.0	120.0	73.913	-0.229
220.0	125.0	72.388	-0.233
220.0	130.0	70.344	-0.231
220.0	135.0	67.75	-0.275
220.0	140.0	65.948	-0.341
220.0	145.0	63.72	-0.459
220.0	150.0	61.982	-0.564
220.0	155.0	60.212	-0.51
220.0	160.0	59.112	-0.564
220.0	165.0	58.41	-0.576
220.0	170.0	57.25	-0.696
220.0	175.0	56.244	-0.751
220.0	180.0	57.16	-0.679
220.0	185.0	59.234	-0.554
220.0	190.0	58.99	-0.644
220.0	195.0	58.288	-0.687
220.0	200.0	57.708	-0.795
220.0	205.0	58.136	-0.709
220.0	210.0	59.296	-0.711
220.0	215.0	60.76	-0.648
220.0	220.0	61.798	-0.641
220.0	225.0	62.53	-0.685
220.0	230.0	63.538	-0.768
220.0	235.0	65.156	-0.685
220.0	240.0	64.788	-0.735
220.0	245.0	62.958	-0.784

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
220.0	250.0	60.456	-0.804
220.0	255.0	59.418	-0.808
220.0	260.0	59.052	-0.804
220.0	265.0	58.99	-0.865
220.0	270.0	60.608	-0.738
220.0	275.0	61.432	-0.714
220.0	280.0	61.828	-0.804
220.0	285.0	62.896	-0.782
220.0	290.0	62.806	-0.74
220.0	295.0	62.562	-0.83
220.0	300.0	62.378	-0.762
220.0	305.0	61.646	-0.727
220.0	310.0	61.798	-0.738
220.0	315.0	64.484	-0.652
220.0	320.0	66.406	-0.624
220.0	325.0	65.46	-0.679
220.0	330.0	64.332	-0.745
220.0	335.0	64.514	-0.764
220.0	340.0	65.49	-0.69
220.0	345.0	66.894	-0.593
220.0	350.0	66.468	-0.657
220.0	355.0	65.704	-0.584
220.0	360.0	66.132	-0.461
220.0	365.0	66.436	-0.613
220.0	370.0	66.254	-0.722
220.0	375.0	65.766	-0.461
220.0	380.0	66.498	-0.336
220.0	385.0	67.414	-0.538
220.0	390.0	68.482	-0.817
220.0	395.0	70.588	-0.784
220.0	400.0	70.404	-1.003
220.0	405.0	68.268	-0.352
220.0	410.0	65.704	0.115
220.0	415.0	63.752	1.245
220.0	420.0	62.928	2.346
220.0	425.0	62.53	2.949
220.0	430.0	60.668	2.32
220.0	435.0	59.296	1.186
220.0	440.0	58.898	0.042

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
220.0	445.0	58.594	-0.573
220.0	450.0	59.51	-0.771
220.0	455.0	59.814	-0.777
220.0	460.0	59.234	-0.795
220.0	465.0	57.952	-0.861
220.0	470.0	57.556	-0.918
220.0	475.0	56.366	-0.894
220.0	480.0	56.396	-0.876
220.0	485.0	58.258	-0.889
220.0	490.0	59.266	-0.887
220.0	495.0	58.686	-0.836
220.0	500.0	57.526	-0.852
220.0	505.0	56.732	-1.023
220.0	510.0	54.412	-1.176
220.0	515.0	53.558	-1.223
220.0	520.0	54.78	-1.124
220.0	525.0	56.336	-0.96
220.0	530.0	56.396	-0.883
220.0	535.0	55.726	-0.854
220.0	540.0	55.268	-0.903
220.0	545.0	54.84	-0.913
220.0	550.0	55.176	-0.902
220.0	555.0	55.146	-0.924
220.0	560.0	54.26	-0.97
220.0	565.0	53.406	-0.96
220.0	570.0	54.016	-0.898
220.0	575.0	55.084	-0.845
220.0	580.0	56.304	-0.784
220.0	585.0	57.25	-0.823
220.0	590.0	56.55	-0.747
220.0	595.0	54.108	-0.821
220.0	600.0	54.534	-0.804
220.0	605.0	56.336	-0.78
220.0	610.0	56.152	-0.791
220.0	615.0	54.444	-0.854
220.0	620.0	53.68	-0.784
220.0	625.0	52.094	-0.694
220.0	630.0	50.538	-0.823
220.0	635.0	51.484	-0.659

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
220.0	640.0	52.582	-0.7
220.0	645.0	51.178	-0.793
220.0	650.0	50.11	-0.891
220.0	655.0	49.896	-0.751
220.0	660.0	50.416	-0.847
220.0	665.0	50.08	-0.883
220.0	670.0	49.134	-0.915
220.0	675.0	49.316	-0.942
220.0	680.0	49.224	-0.959
220.0	685.0	48.614	-0.94
220.0	690.0	48.768	-0.9
220.0	695.0	49.56	-0.926
220.0	700.0	52.642	-0.755
220.0	705.0	53.772	-0.799
220.0	710.0	52.826	-0.72
220.0	715.0	51.514	-0.657
220.0	720.0	49.194	-0.76
220.0	725.0	48.89	-0.786
220.0	730.0	50.538	-0.797
220.0	735.0	50.08	-0.802
220.0	740.0	48.798	-0.861
220.0	745.0	49.774	-0.898
220.0	750.0	50.904	-0.896
220.0	755.0	49.652	-1.111
220.0	760.0	49.714	-1.229
220.0	765.0	50.812	-0.975
220.0	770.0	51.544	-0.986
220.0	775.0	51.362	-0.887
220.0	780.0	51.33	-0.742
220.0	785.0	52.398	-0.863
220.0	790.0	54.2	-0.964
220.0	795.0	55.268	-0.845
220.0	800.0	55.756	-0.584
220.0	805.0	55.938	-0.31
220.0	810.0	57.098	-0.112
220.0	815.0	57.678	-0.172
220.0	820.0	56.58	-0.453
220.0	825.0	55.726	-0.79
220.0	830.0	54.992	-0.99

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
220.0	835.0	54.748	-0.865
220.0	840.0	56.03	-0.681
220.0	845.0	58.074	-0.65
220.0	850.0	60.212	-0.571
220.0	855.0	61.432	-0.545
220.0	860.0	63.232	-0.439
220.0	865.0	64.514	-0.398
220.0	870.0	66.314	-0.323
220.0	875.0	67.108	-0.314
220.0	880.0	66.956	-0.314
220.0	885.0	67.902	-0.349
220.0	890.0	68.238	-0.363
220.0	895.0	67.658	-0.343
220.0	900.0	66.68	-0.378
220.0	905.0	67.108	-0.336
220.0	910.0	68.116	-0.327
220.0	915.0	67.994	-0.334
220.0	920.0	67.078	-0.279
220.0	925.0	66.468	-0.275
220.0	930.0	66.864	-0.292
220.0	935.0	66.436	-0.349
220.0	940.0	65.796	-0.305
220.0	945.0	66.406	-0.319
220.0	950.0	67.292	-0.325
220.0	955.0	69.458	-0.31
220.0	960.0	71.838	-0.292
220.0	965.0	70.8	-0.22
220.0	970.0	69.306	-0.233
220.0	975.0	72.022	-0.192
220.0	980.0	75.562	-0.071
220.0	985.0	77.698	-0.047
220.0	990.0	79.346	0.025
220.0	995.0	81.268	0.176
220.0	1000.0	81.634	0.293
220.0	1005.0	82.397	0.358
220.0	1010.0	83.16	0.369
220.0	1015.0	83.74	0.338
220.0	1020.0	85.509	0.395
220.0	1025.0	86.822	0.4

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
220.0	1030.0	89.234	0.452
220.0	1035.0	90.148	0.485
220.0	1040.0	89.478	0.316
220.0	1045.0	92.286	0.553
220.0	1050.0	92.742	0.531
220.0	1055.0	90.088	0.584
220.0	1060.0	87.036	0.547
220.0	1065.0	85.206	0.393
220.0	1070.0	85.662	0.126
220.0	1075.0	81.666	0.018
220.0	1080.0	77.27	0.053
220.0	1085.0	76.446	0.049
220.0	1090.0	76.202	0.007
220.0	1095.0	73.486	-0.093
220.0	1100.0	70.008	-0.117
220.0	1105.0	70.312	-0.167
220.0	1110.0	71.32	-0.238
220.0	1115.0	70.526	-0.321
220.0	1120.0	70.16	-0.24
220.0	1125.0	72.936	-0.317
220.0	1130.0	75.958	-0.299
220.0	1135.0	78.064	-0.314
220.0	1140.0	80.413	-0.27
220.0	1145.0	80.23	-0.271
220.0	1150.0	76.264	-0.31
220.0	1155.0	73.456	-0.369
220.0	1160.0	72.236	-0.433
220.0	1165.0	72.602	-0.485
220.0	1170.0	70.954	-0.518
220.0	1175.0	65.002	-0.624
220.0	1180.0	63.874	-0.591
220.0	1185.0	65.216	-0.676
220.0	1190.0	62.806	-0.777
220.0	1195.0	59.082	-0.773
220.0	1200.0	56.732	-0.83
200.0	1200.0	59.632	-0.738
200.0	1195.0	60.516	-0.701
200.0	1190.0	62.47	-0.613
200.0	1185.0	63.904	-0.626

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
200.0	1180.0	65.826	-0.503
200.0	1175.0	67.536	-0.497
200.0	1170.0	66.468	-0.538
200.0	1165.0	63.508	-0.597
200.0	1160.0	67.138	-0.413
200.0	1155.0	76.508	-0.22
200.0	1150.0	82.336	-0.312
200.0	1145.0	75.622	-0.446
200.0	1140.0	70.648	-0.475
200.0	1135.0	74.768	-0.295
200.0	1130.0	81.238	-0.13
200.0	1125.0	83.344	-0.088
200.0	1120.0	82.916	-0.018
200.0	1115.0	81.39	0.025
200.0	1110.0	80.932	0.113
200.0	1105.0	82.032	0.154
200.0	1100.0	82.856	0.233
200.0	1095.0	83.496	0.253
200.0	1090.0	85.694	0.293
200.0	1085.0	87.86	0.376
200.0	1080.0	88.134	0.406
200.0	1075.0	87.708	0.339
200.0	1070.0	86.64	0.336
200.0	1065.0	84.29	0.33
200.0	1060.0	84.808	0.328
200.0	1055.0	86.884	0.297
200.0	1050.0	87.86	0.216
200.0	1045.0	87.586	0.282
200.0	1040.0	87.738	0.378
200.0	1035.0	87.922	0.461
200.0	1030.0	87.432	0.507
200.0	1025.0	88.41	0.501
200.0	1020.0	88.897	0.453
200.0	1015.0	90.516	0.661
200.0	1010.0	93.444	0.806
200.0	1005.0	92.896	0.63
200.0	1000.0	92.164	0.714
200.0	995.0	92.56	0.711
200.0	990.0	91.888	0.67

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
200.0	985.0	89.66	0.58
200.0	980.0	87.432	0.485
200.0	975.0	86.242	0.391
200.0	970.0	85.45	0.271
200.0	965.0	84.716	0.24
200.0	960.0	83.832	0.213
200.0	955.0	81.298	0.163
200.0	950.0	76.904	0.036
200.0	945.0	73.822	-0.077
200.0	940.0	73.12	-0.154
200.0	935.0	71.624	-0.249
200.0	930.0	70.008	-0.277
200.0	925.0	69.458	-0.327
200.0	920.0	69.122	-0.496
200.0	915.0	68.664	-0.503
200.0	910.0	67.872	-0.549
200.0	905.0	67.536	-0.63
200.0	900.0	67.259	-0.437
200.0	895.0	67.994	-0.327
200.0	890.0	68.572	-0.341
200.0	885.0	69	-0.358
200.0	880.0	69.152	-0.49
200.0	875.0	68.206	-0.538
200.0	870.0	67.108	-0.644
200.0	865.0	66.772	-0.604
200.0	860.0	66.864	-0.509
200.0	855.0	65.826	-0.547
200.0	850.0	62.896	-0.839
200.0	845.0	61.524	-0.659
200.0	840.0	58.654	-0.646
200.0	835.0	57.678	-0.619
200.0	830.0	57.984	-0.777
200.0	825.0	58.106	-0.903
200.0	820.0	56.518	-0.839
200.0	815.0	54.322	-0.817
200.0	810.0	53.284	-0.742
200.0	805.0	53.71	-0.841
200.0	800.0	52.796	-0.92
200.0	795.0	51.086	-0.722

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
200.0	790.0	50.964	-0.477
200.0	785.0	51.544	-0.839
200.0	780.0	52.246	-0.905
200.0	775.0	51.178	-0.994
200.0	770.0	51.056	-1.152
200.0	765.0	51.728	-1.074
200.0	760.0	51.91	-0.953
200.0	755.0	52.308	-0.992
200.0	750.0	51.3	-1.032
200.0	745.0	50.018	-1.047
200.0	740.0	49.378	-0.948
200.0	735.0	48.798	-1.133
200.0	730.0	47.698	-1.37
200.0	725.0	46.844	-1.218
200.0	720.0	47.272	-1.4
200.0	715.0	48.004	-1.03
200.0	710.0	48.522	-0.937
200.0	705.0	47.944	-0.371
200.0	700.0	45.35	-0.284
200.0	695.0	45.166	-0.918
200.0	690.0	46.478	-0.972
200.0	685.0	46.814	-0.898
200.0	680.0	46.356	-1.186
200.0	675.0	45.99	-1.021
200.0	670.0	45.044	-0.887
200.0	665.0	44.708	-1.089
200.0	660.0	45.074	-1.218
200.0	655.0	44.526	-1.155
200.0	650.0	44.342	-1.359
200.0	645.0	44.708	-1.433
200.0	640.0	44.342	-1.92
200.0	635.0	43.976	-1.113
200.0	630.0	43.762	-1.047
200.0	625.0	43.488	-1.392
200.0	620.0	44.22	-1.056
200.0	615.0	45.166	-1.427
200.0	610.0	46.052	-1.938
200.0	605.0	45.44	-1.892
200.0	600.0	45.624	-1.537

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
200.0	595.0	47.546	-2.217
200.0	590.0	49.438	-1.262
200.0	585.0	49.744	-0.63
200.0	580.0	48.798	-0.672
200.0	575.0	48.278	-0.705
200.0	570.0	49.804	-0.81
200.0	565.0	49.408	-1.973
200.0	560.0	43.64	-1.988
200.0	555.0	41.656	-1.797
200.0	550.0	46.814	-2.66
200.0	545.0	53.1	-1.139
200.0	540.0	52.398	-0.896
200.0	535.0	52.43	-0.979
200.0	530.0	52.796	-0.94
200.0	525.0	53.588	-0.944
200.0	520.0	54.168	-0.966
200.0	515.0	54.444	-0.909
200.0	510.0	54.23	-0.889
200.0	505.0	55.48	-0.672
200.0	500.0	56.214	-0.512
200.0	495.0	55.634	-0.519
200.0	490.0	55.298	-0.597
200.0	485.0	54.87	-0.797
200.0	480.0	54.138	-0.909
200.0	475.0	53.466	-0.916
200.0	470.0	53.65	-0.981
200.0	465.0	54.412	-0.942
200.0	460.0	55.298	-0.902
200.0	455.0	56.732	-0.92
200.0	450.0	57.22	-0.88
200.0	445.0	56.55	-0.861
200.0	440.0	57.098	-0.815
200.0	435.0	58.288	-0.768
200.0	430.0	59.052	-0.782
200.0	425.0	59.266	-0.78
200.0	420.0	59.784	-0.738
200.0	415.0	60.12	-0.793
200.0	410.0	60.272	-0.744
200.0	405.0	61.37	-0.735

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
200.0	400.0	63.202	-0.661
200.0	395.0	65.278	-0.615
200.0	390.0	66.224	-0.65
200.0	385.0	67.048	-0.722
200.0	380.0	67.75	-0.624
200.0	375.0	68.818	-0.534
200.0	370.0	69.092	-0.542
200.0	365.0	69.062	-0.576
200.0	360.0	69.764	-0.58
200.0	355.0	71.534	-0.547
200.0	350.0	71.32	-0.597
200.0	345.0	70.22	-0.628
200.0	340.0	69.886	-0.615
200.0	335.0	72.509	-0.501
200.0	330.0	74.34	-0.455
200.0	325.0	73.944	-0.529
200.0	320.0	73.456	-0.455
200.0	315.0	72.204	-0.518
200.0	310.0	68.39	-0.589
200.0	305.0	65.856	-0.591
200.0	300.0	67.292	-0.564
200.0	295.0	68.572	-0.444
200.0	290.0	67.84	-0.518
200.0	285.0	67.2	-0.589
200.0	280.0	67.902	-0.547
200.0	275.0	67.2	-0.628
200.0	270.0	65.948	-0.595
200.0	265.0	64.85	-0.597
200.0	260.0	64.85	-0.545
200.0	255.0	65.032	-0.56
200.0	250.0	64.972	-0.538
200.0	245.0	63.934	-0.683
200.0	240.0	63.018	-0.722
200.0	235.0	62.896	-0.709
200.0	230.0	63.812	-0.632
200.0	225.0	61.738	-0.815
200.0	220.0	59.296	-0.747
200.0	215.0	59.326	-0.802
200.0	210.0	59.296	-0.679

512 168

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
200.0	205.0	58.716	-0.679
200.0	200.0	57.708	-0.709
200.0	195.0	56.884	-0.711
200.0	190.0	56.426	-0.731
200.0	185.0	55.48	-0.791
200.0	180.0	54.78	-0.801
200.0	175.0	54.718	-0.847
200.0	170.0	54.444	-0.79
200.0	165.0	54.168	-0.78
200.0	160.0	54.566	-0.758
200.0	155.0	55.908	-0.766
200.0	150.0	58.166	-0.764
200.0	145.0	58.746	-0.797
200.0	140.0	58.868	-0.78
200.0	135.0	62.378	-0.674
200.0	130.0	67.382	-0.49
200.0	125.0	68.023	-0.475
200.0	120.0	69.214	-0.417
200.0	115.0	73.516	-0.194
200.0	110.0	76.874	-0.071
200.0	105.0	77.668	-0.014
200.0	100.0	79.316	0.02
200.0	95.0	81.787	0.152
200.0	90.0	81.604	0.169
200.0	85.0	81.574	0.069
200.0	80.0	83.558	0.005
200.0	75.0	86.12	0.113
200.0	70.0	86.578	0.181
200.0	65.0	86.03	0.099
200.0	60.0	85.052	0.196
200.0	55.0	83.74	0.101
200.0	50.0	82.916	0.097
200.0	45.0	82.52	0.148
200.0	40.0	82.184	0.082
200.0	35.0	79.284	0.011
200.0	30.0	76.142	-0.115
200.0	25.0	74.952	-0.176
200.0	20.0	75.866	-0.203
200.0	15.0	75.836	-0.314

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
200.0	10.0	74.646	-0.316
200.0	5.0	72.876	-0.38
200.0	0.0	69.824	-0.527
180.0	0.0	59.174	-0.639
180.0	5.0	59.632	-0.63
180.0	10.0	60.638	-0.565
180.0	15.0	61.798	-0.485
180.0	20.0	62.744	-0.45
180.0	25.0	64.026	-0.369
180.0	30.0	65.644	-0.292
180.0	35.0	67.048	-0.295
180.0	40.0	69.488	-0.244
180.0	45.0	72.204	-0.248
180.0	50.0	74.462	-0.281
180.0	55.0	76.231	-0.143
180.0	60.0	77.27	-0.025
180.0	65.0	78.492	-0.049
180.0	70.0	80.718	0.034
180.0	75.0	83.282	0.078
180.0	80.0	84.808	0.163
180.0	85.0	87.098	0.251
180.0	90.0	89.814	0.255
180.0	95.0	89.356	0.281
180.0	100.0	85.266	0.17
180.0	105.0	80.352	0.157
180.0	110.0	80.506	0.255
180.0	115.0	85.754	0.341
180.0	120.0	83.282	0.231
180.0	125.0	76.446	0.112
180.0	130.0	71.136	-0.068
180.0	135.0	63.508	-0.249
180.0	140.0	64.148	-0.27
180.0	145.0	63.538	-0.422
180.0	150.0	58.93	-0.509
180.0	155.0	58.868	-0.593
180.0	160.0	57.16	-0.723
180.0	165.0	56.458	-0.78
180.0	170.0	56.854	-0.751
180.0	175.0	56.092	-0.749

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
180.0	180.0	54.016	-0.757
180.0	185.0	53.71	-0.729
180.0	190.0	56.304	-0.731
180.0	195.0	58.166	-0.65
180.0	200.0	58.32	-0.683
180.0	205.0	59.54	-0.749
180.0	210.0	59.876	-0.637
180.0	215.0	60.486	-0.624
180.0	220.0	61.89	-0.496
180.0	225.0	61.524	-0.593
180.0	230.0	61.096	-0.766
180.0	235.0	62.072	-0.745
180.0	240.0	63.63	-0.668
180.0	245.0	66.314	-0.538
180.0	250.0	66.528	-0.553
180.0	255.0	67.138	-0.586
180.0	260.0	67.259	-0.608
180.0	265.0	67.352	-0.545
180.0	270.0	68.756	-0.507
180.0	275.0	69.488	-0.472
180.0	280.0	69	-0.459
180.0	285.0	68.756	-0.455
180.0	290.0	68.878	-0.44
180.0	295.0	69.244	-0.683
180.0	300.0	70.098	-0.725
180.0	305.0	71.868	-0.525
180.0	310.0	74.188	-0.422
180.0	315.0	75.44	-0.382
180.0	320.0	76.294	-0.418
180.0	325.0	75.897	-0.415
180.0	330.0	74.128	-0.446
180.0	335.0	72.448	-0.472
180.0	340.0	72.114	-0.448
180.0	345.0	73.608	-0.523
180.0	350.0	75.318	-0.376
180.0	355.0	75.256	-0.448
180.0	360.0	74.402	-0.497
180.0	365.0	73.7	-0.606
180.0	370.0	72.754	-0.595

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
180.0	375.0	71.38	-0.591
180.0	380.0	70.618	-0.578
180.0	385.0	69.642	-0.492
180.0	390.0	68.572	-0.542
180.0	395.0	68.786	-0.641
180.0	400.0	68.45	-0.659
180.0	405.0	66.68	-0.644
180.0	410.0	64.24	-0.817
180.0	415.0	62.592	-0.779
180.0	420.0	59.906	-0.843
180.0	425.0	57.952	-0.867
180.0	430.0	56.854	-0.841
180.0	435.0	55.726	-0.964
180.0	440.0	54.688	-0.962
180.0	445.0	52.582	-1.005
180.0	450.0	49.714	-1.023
180.0	455.0	48.248	-1.008
180.0	460.0	48.004	-1.005
180.0	465.0	48.4	-0.986
180.0	470.0	48.828	-0.907
180.0	475.0	48.798	-0.975
180.0	480.0	49.224	-1.051
180.0	485.0	49.316	-0.99
180.0	490.0	48.096	-1.005
180.0	495.0	47.242	-1.049
180.0	500.0	46.874	-1.106
180.0	505.0	47.18	-1.135
180.0	510.0	47.272	-1.027
180.0	515.0	47.852	-0.995
180.0	520.0	49.652	-0.916
180.0	525.0	49.622	-0.874
180.0	530.0	48.066	-0.92
180.0	535.0	46.356	-0.992
180.0	540.0	45.044	-1.119
180.0	545.0	45.044	-1.265
180.0	550.0	45.624	-1.198
180.0	555.0	45.684	-1.043
180.0	560.0	45.074	-0.972
180.0	565.0	44.22	-1.214

512 170

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
180.0	570.0	43.58	-1.155
180.0	575.0	44.738	-0.97
180.0	580.0	46.692	-0.479
180.0	585.0	45.746	0.264
180.0	590.0	45.318	0.957
180.0	595.0	47.15	2.083
180.0	600.0	46.814	0.17
180.0	605.0	45.562	-0.9
180.0	610.0	45.288	-1.12
180.0	615.0	45.104	-0.775
180.0	620.0	45.594	-0.602
180.0	625.0	44.952	-0.968
180.0	630.0	43.64	-1.188
180.0	635.0	45.228	-0.795
180.0	640.0	44.86	-0.694
180.0	645.0	43.64	-0.995
180.0	650.0	42.968	-1.457
180.0	655.0	41.962	-1.387
180.0	660.0	41.626	-1.198
180.0	665.0	42.846	-1.462
180.0	670.0	43.426	-2.326
180.0	675.0	41.992	-0.486
180.0	680.0	42.634	-1.15
180.0	685.0	43.914	-1.372
180.0	690.0	43.304	-0.935
180.0	695.0	44.068	-0.913
180.0	700.0	45.594	-0.995
180.0	705.0	45.868	-0.922
180.0	710.0	45.258	-1.084
180.0	715.0	45.166	-1.019
180.0	720.0	45.532	-0.916
180.0	725.0	46.722	-0.878
180.0	730.0	47.18	-1.069
180.0	735.0	47.332	-1.26
180.0	740.0	47.058	-1.411
180.0	745.0	46.662	-0.927
180.0	750.0	46.906	-1.095
180.0	755.0	48.4	-1.497
180.0	760.0	49.5	-1.137

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
180.0	765.0	49.652	-1.065
180.0	770.0	49.53	-1.098
180.0	775.0	51.422	-1.034
180.0	780.0	54.078	-0.937
180.0	785.0	53.986	-0.946
180.0	790.0	50.384	-1.087
180.0	795.0	49.224	-0.909
180.0	800.0	50.904	-0.876
180.0	805.0	52.124	-0.918
180.0	810.0	52.582	-0.966
180.0	815.0	52.276	-1.076
180.0	820.0	52.49	-0.909
180.0	825.0	52.886	-0.893
180.0	830.0	52.978	-0.948
180.0	835.0	53.588	-1.008
180.0	840.0	54.902	-1.023
180.0	845.0	56.03	-1.085
180.0	850.0	56.884	-1.003
180.0	855.0	58.106	-0.949
180.0	860.0	59.6	-0.942
180.0	865.0	62.164	-0.891
180.0	870.0	64.332	-0.757
180.0	875.0	65.156	-0.712
180.0	880.0	64.24	-0.655
180.0	885.0	65.704	-0.593
180.0	890.0	70.13	-0.613
180.0	895.0	70.068	-0.494
180.0	900.0	68.848	-0.509
180.0	905.0	66.62	-0.564
180.0	910.0	65.522	-0.672
180.0	915.0	65.308	-0.736
180.0	920.0	66.254	-0.681
180.0	925.0	67.75	-0.655
180.0	930.0	67.382	-0.589
180.0	935.0	66.254	-0.624
180.0	940.0	65.766	-0.611
180.0	945.0	66.314	-0.551
180.0	950.0	68.146	-0.527
180.0	955.0	68.818	-0.497

512 171

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
180.0	960.0	69.731	-0.319
180.0	965.0	72.326	-0.282
180.0	970.0	74.676	-0.154
180.0	975.0	75.897	-0.012
180.0	980.0	77.606	0.078
180.0	985.0	80.902	0.306
180.0	990.0	84.808	0.468
180.0	995.0	86.762	0.63
180.0	1000.0	88.318	0.701
180.0	1005.0	89.966	0.749
180.0	1010.0	89.478	0.854
180.0	1015.0	87.646	0.797
180.0	1020.0	86.364	0.797
180.0	1025.0	84.626	0.74
180.0	1030.0	83.404	0.637
180.0	1035.0	82.734	0.598
180.0	1040.0	82.58	0.578
180.0	1045.0	83.252	0.505
180.0	1050.0	83.588	0.564
180.0	1055.0	82.856	0.499
180.0	1060.0	83.892	0.455
180.0	1065.0	84.808	0.468
180.0	1070.0	86.518	0.512
180.0	1075.0	87.86	0.455
180.0	1080.0	88.41	0.442
180.0	1085.0	88.104	0.411
180.0	1090.0	92.102	0.516
180.0	1095.0	95.704	0.602
180.0	1100.0	96.192	0.598
180.0	1105.0	97.474	0.58
180.0	1110.0	99.64	0.514
180.0	1115.0	100.678	0.56
180.0	1120.0	101.014	0.461
180.0	1125.0	101.838	0.384
180.0	1130.0	96.802	0.226
180.0	1135.0	89.478	0
180.0	1140.0	84.778	-0.213
180.0	1145.0	77.85	-0.387
180.0	1150.0	75.042	-0.483

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
180.0	1155.0	73.242	-0.597
180.0	1160.0	68.542	-0.611
180.0	1165.0	65.978	-0.69
180.0	1170.0	64.086	-0.802
180.0	1175.0	60.76	-0.9
180.0	1180.0	57.496	-0.982
180.0	1185.0	56.244	-0.953
180.0	1190.0	55.786	-0.874
180.0	1195.0	54.962	-0.907
180.0	1200.0	52.886	-0.948
160.0	1200.0	60.73	-0.843
160.0	1195.0	61.28	-0.784
160.0	1190.0	62.896	-0.78
160.0	1185.0	63.782	-0.74
160.0	1180.0	63.568	-0.725
160.0	1175.0	61.92	-0.745
160.0	1170.0	60.852	-0.733
160.0	1165.0	61.126	-0.812
160.0	1160.0	61.492	-0.795
160.0	1155.0	61.768	-0.736
160.0	1150.0	62.134	-0.725
160.0	1145.0	63.416	-0.707
160.0	1140.0	66.314	-0.543
160.0	1135.0	70.252	-0.466
160.0	1130.0	75.866	-0.345
160.0	1125.0	81.604	-0.174
160.0	1120.0	85.846	0.038
160.0	1115.0	86.7	0.132
160.0	1110.0	86.06	0.218
160.0	1105.0	86.152	0.321
160.0	1100.0	89.508	0.455
160.0	1095.0	93.812	0.586
160.0	1090.0	93.2	0.554
160.0	1085.0	91.248	0.472
160.0	1080.0	88.714	0.505
160.0	1075.0	87.006	0.58
160.0	1070.0	86.884	0.58
160.0	1065.0	88.624	0.514
160.0	1060.0	88.074	0.374

512 172

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
160.0	1055.0	87.006	0.426
160.0	1050.0	85.846	0.679
160.0	1045.0	85.938	0.716
160.0	1040.0	86.944	0.76
160.0	1035.0	87.952	0.834
160.0	1030.0	88.166	0.834
160.0	1025.0	86.396	0.757
160.0	1020.0	84.472	0.712
160.0	1015.0	85.022	0.229
160.0	1010.0	81.94	-2.416
160.0	1005.0	78.492	-1.729
160.0	1000.0	81.91	-4.161
160.0	995.0	75.286	-1.741
160.0	990.0	80.17	-0.246
160.0	985.0	83.19	0.6
160.0	980.0	80.596	0.317
160.0	975.0	74.584	-0.062
160.0	970.0	68.97	-0.293
160.0	965.0	64.636	-0.367
160.0	960.0	62.806	-0.216
160.0	955.0	60.7	0.088
160.0	950.0	59.234	-0.293
160.0	945.0	58.32	-0.802
160.0	940.0	57.22	-0.795
160.0	935.0	56.03	-0.738
160.0	930.0	55.39	-0.905
160.0	925.0	54.26	-0.942
160.0	920.0	53.07	-0.953
160.0	915.0	53.894	-1.365
160.0	910.0	54.474	-1.15
160.0	905.0	52.582	-0.659
160.0	900.0	51.544	-0.885
160.0	895.0	52.552	-1.923
160.0	890.0	54.444	-1.392
160.0	885.0	55.542	-1.038
160.0	880.0	56.55	-0.867
160.0	875.0	57.19	-0.779
160.0	870.0	56.702	-0.832
160.0	865.0	56.214	-0.762

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
160.0	860.0	56.06	-0.643
160.0	855.0	55.512	-0.565
160.0	850.0	53.222	-0.865
160.0	845.0	50.872	-1.223
160.0	840.0	49.774	-1.139
160.0	835.0	48.34	-1.047
160.0	830.0	46.662	-1.135
160.0	825.0	45.716	-1.534
160.0	820.0	45.35	-1.554
160.0	815.0	44.372	-1.532
160.0	810.0	44.982	-1.422
160.0	805.0	45.014	-1.433
160.0	800.0	43.244	-1.449
160.0	795.0	43.09	-1.499
160.0	790.0	45.928	-1.464
160.0	785.0	47.454	-1.409
160.0	780.0	46.234	-1.313
160.0	775.0	45.35	-1.326
160.0	770.0	45.99	-1.339
160.0	765.0	46.264	-1.271
160.0	760.0	46.936	-1.115
160.0	755.0	47.242	-1.104
160.0	750.0	46.752	-1.146
160.0	745.0	45.928	-1.183
160.0	740.0	45.868	-1.291
160.0	735.0	45.35	-1.376
160.0	730.0	45.472	-1.453
160.0	725.0	45.196	-1.58
160.0	720.0	45.35	-1.33
160.0	715.0	46.112	-1.703
160.0	710.0	46.63	-1.315
160.0	705.0	45.806	-1.111
160.0	700.0	45.196	-1.192
160.0	695.0	45.624	-1.117
160.0	690.0	45.258	-1.104
160.0	685.0	44.494	-1.085
160.0	680.0	44.526	-1.045
160.0	675.0	44.8	-0.99
160.0	670.0	46.112	-0.898

512 173

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
160.0	665.0	47.21	-0.893
160.0	660.0	46.57	-0.959
160.0	655.0	45.624	-1.014
160.0	650.0	45.684	-1.01
160.0	645.0	45.136	-1.016
160.0	640.0	44.952	-0.99
160.0	635.0	45.258	-1.163
160.0	630.0	45.868	-1.107
160.0	625.0	46.326	-0.99
160.0	620.0	46.448	-0.944
160.0	615.0	46.844	-0.988
160.0	610.0	48.584	-0.959
160.0	605.0	48.92	-0.972
160.0	600.0	48.248	-0.942
160.0	595.0	49.164	-0.736
160.0	590.0	50.75	-0.832
160.0	585.0	52.734	-0.85
160.0	580.0	53.406	-0.672
160.0	575.0	49.194	-1.602
160.0	570.0	47.516	-1.107
160.0	565.0	47.516	-0.959
160.0	560.0	47.638	-1.491
160.0	555.0	46.448	-1.185
160.0	550.0	47.058	-1.177
160.0	545.0	47.454	-1.142
160.0	540.0	46.6	-1.174
160.0	535.0	46.264	-1.196
160.0	530.0	46.814	-1.231
160.0	525.0	45.868	-1.172
160.0	520.0	45.806	-1.19
160.0	515.0	45.928	-1.163
160.0	510.0	45.624	-1.288
160.0	505.0	46.6	-1.218
160.0	500.0	46.966	-0.911
160.0	495.0	45.838	-1.73
160.0	490.0	46.844	-1.394
160.0	485.0	47.332	-1.236
160.0	480.0	46.112	-1.256
160.0	475.0	45.472	-1.034

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
160.0	470.0	46.296	-0.784
160.0	465.0	47.12	-0.92
160.0	460.0	46.784	-1.078
160.0	455.0	45.99	-1.166
160.0	450.0	44.586	-1.299
160.0	445.0	42.878	-1.363
160.0	440.0	43.488	-1.354
160.0	435.0	44.434	-1.508
160.0	430.0	44.556	-1.481
160.0	425.0	45.624	-1.255
160.0	420.0	47.698	-1.117
160.0	415.0	49.164	-1.174
160.0	410.0	51.178	-1.15
160.0	405.0	53.1	-1.098
160.0	400.0	54.596	-1.014
160.0	395.0	56.732	-1.003
160.0	390.0	57.25	-0.973
160.0	385.0	58.074	-1.017
160.0	380.0	59.57	-0.893
160.0	375.0	61.524	-0.845
160.0	370.0	61.492	-0.784
160.0	365.0	61.188	-0.869
160.0	360.0	62.53	-0.896
160.0	355.0	62.47	-0.88
160.0	350.0	59.478	-1.188
160.0	345.0	58.868	-1.109
160.0	340.0	59.266	-0.99
160.0	335.0	58.776	-1.038
160.0	330.0	59.326	-1.03
160.0	325.0	58.716	-1.062
160.0	320.0	57.16	-1.109
160.0	315.0	55.604	-1.095
160.0	310.0	54.902	-1.275
160.0	305.0	54.932	-1.288
160.0	300.0	55.756	-1.15
160.0	295.0	55.878	-1.146
160.0	290.0	55.42	-1.102
160.0	285.0	53.986	-1.176
160.0	280.0	55.358	-1.067

512 174

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
160.0	275.0	56.854	-1.155
160.0	270.0	58.014	-1.163
160.0	265.0	63.782	-0.97
160.0	260.0	73.06	-0.417
160.0	255.0	74.066	-0.582
160.0	250.0	74.402	-0.611
160.0	245.0	74.28	-0.65
160.0	240.0	75.226	-0.547
160.0	235.0	75.897	-0.591
160.0	230.0	76.202	-0.474
160.0	225.0	74.798	-0.459
160.0	220.0	72.266	-0.43
160.0	215.0	70.098	-0.532
160.0	210.0	67.352	-0.588
160.0	205.0	66.192	-0.543
160.0	200.0	66.07	-0.573
160.0	195.0	65.245	-0.725
160.0	190.0	64.056	-0.757
160.0	185.0	64.24	-0.87
160.0	180.0	63.812	-0.817
160.0	175.0	61.738	-0.876
160.0	170.0	59.388	-0.839
160.0	165.0	57.16	-0.773
160.0	160.0	55.878	-0.736
160.0	155.0	55.604	-0.779
160.0	150.0	55.512	-0.773
160.0	145.0	55.42	-0.694
160.0	140.0	55.756	-0.622
160.0	135.0	56.244	-0.806
160.0	130.0	57.128	-0.698
160.0	125.0	57.8	-0.553
160.0	120.0	59.418	-0.442
160.0	115.0	61.218	-0.369
160.0	110.0	63.446	-0.345
160.0	105.0	66.406	-0.24
160.0	100.0	67.872	-0.226
160.0	95.0	70.374	-0.183
160.0	90.0	75.318	-0.073
160.0	85.0	78.766	0.064

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
160.0	80.0	80.078	0.088
160.0	75.0	80.322	0.115
160.0	70.0	79.986	0.034
160.0	65.0	79.438	0.005
160.0	60.0	81.42	0.104
160.0	55.0	81.482	-0.062
160.0	50.0	81.36	0.02
160.0	45.0	82.092	-0.09
160.0	40.0	80.596	-0.09
160.0	35.0	77.302	-0.172
160.0	30.0	76.874	-0.189
160.0	25.0	77.332	-0.209
160.0	20.0	75.44	-0.406
160.0	15.0	71.198	-0.338
160.0	10.0	63.262	-0.474
160.0	5.0	61.34	-0.626
160.0	0.0	66.864	-0.556
140.0	0.0	61.768	-0.707
140.0	5.0	62.988	-0.606
140.0	10.0	65.124	-0.483
140.0	15.0	66.986	-0.497
140.0	20.0	68.634	-0.396
140.0	25.0	69.52	-0.387
140.0	30.0	70.832	-0.299
140.0	35.0	73.608	-0.259
140.0	40.0	75.866	-0.277
140.0	45.0	77.546	-0.191
140.0	50.0	75.562	-0.187
140.0	55.0	73.73	-0.121
140.0	60.0	73.028	-0.078
140.0	65.0	73.272	-0.044
140.0	70.0	73.15	-0.018
140.0	75.0	72.998	0.058
140.0	80.0	71.96	0.069
140.0	85.0	70.434	0.023
140.0	90.0	68.878	0.022
140.0	95.0	66.468	0.06
140.0	100.0	65.186	-0.022
140.0	105.0	64.422	0.001

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
140.0	110.0	62.988	0.045
140.0	115.0	61.92	0.034
140.0	120.0	61.28	0.009
140.0	125.0	59.51	-0.086
140.0	130.0	57.77	-0.157
140.0	135.0	58.624	-0.117
140.0	140.0	60.914	-0.062
140.0	145.0	62.042	-0.071
140.0	150.0	62.866	-0.045
140.0	155.0	64.026	-0.113
140.0	160.0	63.232	-0.178
140.0	165.0	62.5	-0.121
140.0	170.0	65.46	-0.088
140.0	175.0	69.306	-0.242
140.0	180.0	72.296	-0.301
140.0	185.0	72.662	-0.464
140.0	190.0	67.259	-0.576
140.0	195.0	62.286	-0.703
140.0	200.0	56.976	-0.841
140.0	205.0	53.07	-0.997
140.0	210.0	49.652	-1.117
140.0	215.0	50.506	-1.028
140.0	220.0	51.484	-1.052
140.0	225.0	52.216	-1.03
140.0	230.0	53.1	-1.017
140.0	235.0	53.772	-1.128
140.0	240.0	54.138	-1.161
140.0	245.0	54.626	-1.102
140.0	250.0	56.152	-1.08
140.0	255.0	57.708	-1.028
140.0	260.0	56.55	-1.054
140.0	265.0	54.322	-1.047
140.0	270.0	54.444	-1.093
140.0	275.0	54.29	-1.142
140.0	280.0	52.002	-1.168
140.0	285.0	52.796	-1.148
140.0	290.0	55.054	-1.153
140.0	295.0	54.412	-1.17
140.0	300.0	53.162	-1.177

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
140.0	305.0	51.91	-1.334
140.0	310.0	51.178	-1.295
140.0	315.0	52.338	-1.302
140.0	320.0	53.528	-1.234
140.0	325.0	54.412	-1.234
140.0	330.0	55.236	-1.265
140.0	335.0	54.81	-1.221
140.0	340.0	51.788	-1.416
140.0	345.0	50.11	-1.302
140.0	350.0	52.124	-1.343
140.0	355.0	51.148	-1.332
140.0	360.0	48.676	-1.357
140.0	365.0	49.012	-1.365
140.0	370.0	49.896	-1.392
140.0	375.0	49.866	-1.365
140.0	380.0	48.248	-1.255
140.0	385.0	45.928	-1.433
140.0	390.0	44.526	-1.589
140.0	395.0	46.082	-1.093
140.0	400.0	47.15	-0.962
140.0	405.0	45.318	-1.218
140.0	410.0	43.732	-1.289
140.0	415.0	43.426	-1.394
140.0	420.0	42.298	-1.449
140.0	425.0	41.352	-1.378
140.0	430.0	41.32	-1.311
140.0	435.0	40.496	-1.447
140.0	440.0	40.162	-1.409
140.0	445.0	39.856	-1.344
140.0	450.0	39.032	-1.275
140.0	455.0	37.568	-1.337
140.0	460.0	34.82	-1.526
140.0	465.0	35.004	-1.501
140.0	470.0	35.95	-1.319
140.0	475.0	36.866	-1.315
140.0	480.0	37.11	-1.245
140.0	485.0	37.506	-1.334
140.0	490.0	37.536	-1.427
140.0	495.0	38.178	-1.282

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
140.0	500.0	38.726	-1.357
140.0	600.0	45.318	-0.154
140.0	605.0	44.556	-0.279
140.0	610.0	42.144	-1.587
140.0	615.0	43.518	-0.9
140.0	620.0	43.702	-0.672
140.0	625.0	41.87	-0.913
140.0	630.0	40.222	-0.944
140.0	635.0	41.534	-1.106
140.0	640.0	44.036	-0.981
140.0	645.0	45.104	-0.725
140.0	650.0	44.404	-0.531
140.0	655.0	44.25	-0.598
140.0	660.0	40.618	-3.226
140.0	665.0	36.5	-3.939
140.0	670.0	36.5	-2.774
140.0	675.0	41.076	-0.775
140.0	680.0	42.236	-0.814
140.0	685.0	42.388	-0.942
140.0	690.0	42.51	-0.99
140.0	695.0	42.664	-1.139
140.0	700.0	42.846	-1.433
140.0	705.0	41.596	-1.24
140.0	710.0	41.9	-0.608
140.0	715.0	41.016	-0.972
140.0	720.0	44.068	-1.227
140.0	725.0	45.746	-0.975
140.0	730.0	44.922	-0.81
140.0	735.0	43.212	-0.74
140.0	740.0	42.266	-0.78
140.0	745.0	42.908	-0.779
140.0	750.0	43.518	-0.804
140.0	755.0	43.458	-0.755
140.0	760.0	42.48	-1.589
140.0	765.0	40.528	-1.826
140.0	770.0	41.962	-0.679
140.0	775.0	43.824	-0.365
140.0	780.0	43.274	-0.905
140.0	785.0	40.894	-1.109

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
140.0	790.0	39.094	-1.271
140.0	795.0	38.452	-1.457
140.0	800.0	37.994	-1.484
140.0	805.0	37.262	-1.464
140.0	810.0	36.468	-1.422
140.0	815.0	36.866	-1.334
140.0	820.0	37.69	-1.168
140.0	825.0	37.476	-1.135
140.0	830.0	36.956	-1.155
140.0	835.0	37.414	-1.091
140.0	840.0	37.354	-1.071
140.0	845.0	38.146	-1.098
140.0	850.0	39.52	-1.137
140.0	855.0	38.818	-0.99
140.0	860.0	38.024	-0.929
140.0	865.0	39.306	-0.87
140.0	870.0	41.046	-0.661
140.0	875.0	41.688	-0.192
140.0	880.0	42.236	0.407
140.0	885.0	43.244	0.31
140.0	890.0	44.28	-0.222
140.0	895.0	44.83	-0.637
140.0	900.0	44.678	-0.744
140.0	905.0	43.854	-0.801
140.0	910.0	43.304	-1.052
140.0	915.0	42.908	-1.198
140.0	920.0	42.328	-1.131
140.0	925.0	42.328	-1.078
140.0	930.0	42.878	-0.898
140.0	935.0	43.366	-0.797
140.0	940.0	43.976	-0.948
140.0	945.0	45.228	-0.972
140.0	950.0	46.204	-1.054
140.0	955.0	46.57	-0.96
140.0	960.0	46.752	-1.003
140.0	965.0	48.126	-0.869
140.0	970.0	49.714	-0.847
140.0	975.0	52.246	-0.619
140.0	980.0	55.114	-0.588

512 177

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
140.0	985.0	58.198	-0.464
140.0	990.0	62.438	-0.123
140.0	995.0	67.2	0.248
140.0	1000.0	72.724	0.635
140.0	1005.0	80.292	1.354
140.0	1010.0	89.234	2.171
140.0	1015.0	101.716	3.046
140.0	1020.0	92.926	1.324
140.0	1025.0	51.392	-2.296
140.0	1030.0	42.358	-2.377
140.0	1035.0	81.756	1.016
140.0	1040.0	104.95	2.684
140.0	1045.0	97.718	2.037
140.0	1050.0	90.76	1.295
140.0	1055.0	85.816	0.779
140.0	1060.0	81.94	0.635
140.0	1065.0	79.864	0.4
140.0	1070.0	79.376	0.187
140.0	1075.0	79.896	0.147
140.0	1080.0	80.566	0.078
140.0	1085.0	82	-0.02
140.0	1090.0	82.49	-0.044
140.0	1095.0	82	-0.012
140.0	1100.0	82.55	0.036
140.0	1105.0	82.062	0.001
140.0	1110.0	79.65	-0.086
140.0	1115.0	77.942	-0.101
140.0	1120.0	77.424	-0.165
140.0	1125.0	77.056	-0.15
140.0	1130.0	73.822	-0.253
140.0	1135.0	68.298	-0.415
140.0	1140.0	69.488	-0.497
140.0	1145.0	72.388	-0.319
140.0	1150.0	70.648	-0.343
140.0	1155.0	66.224	-0.54
140.0	1160.0	63.05	-0.738
140.0	1165.0	61.89	-0.764
140.0	1170.0	63.018	-0.749
140.0	1175.0	63.904	-0.727

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
140.0	1180.0	64.178	-0.744
140.0	1185.0	63.996	-0.725
140.0	1190.0	62.958	-0.79
140.0	1195.0	64.208	-0.861
140.0	1200.0	66.68	-0.839
120.0	1200.0	53.802	-1.076
120.0	1195.0	55.604	-0.916
120.0	1190.0	57.006	-0.845
120.0	1185.0	59.082	-0.924
120.0	1180.0	62.194	-0.929
120.0	1175.0	65.064	-0.845
120.0	1170.0	63.476	-0.711
120.0	1165.0	60.302	-0.762
120.0	1160.0	58.99	-0.74
120.0	1155.0	58.472	-0.85
120.0	1150.0	58.258	-0.847
120.0	1145.0	61.554	-0.707
120.0	1140.0	66.558	-0.683
120.0	1135.0	70.098	-0.602
120.0	1130.0	71.502	-1.065
120.0	1125.0	70.556	-0.749
120.0	1120.0	67.688	-0.92
120.0	1115.0	66.834	-0.784
120.0	1110.0	68.023	-0.58
120.0	1105.0	68.39	-0.595
120.0	1100.0	68.328	-0.6
120.0	1095.0	68.084	-0.549
120.0	1090.0	67.718	-0.461
120.0	1085.0	68.696	-0.376
120.0	1080.0	69.366	-0.343
120.0	1075.0	70.19	-0.293
120.0	1070.0	70.862	-0.242
120.0	1065.0	70.892	-0.207
120.0	1060.0	69.976	-0.185
120.0	1055.0	70.038	-0.056
120.0	1050.0	71.745	0.082
120.0	1045.0	73.852	0.367
120.0	1040.0	76.231	0.801
120.0	1035.0	81.91	1.31

512 178

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
120.0	1030.0	91.552	2.14
120.0	1025.0	104.034	3.211
120.0	1020.0	93.262	1.381
120.0	1015.0	33.906	-4.158
120.0	1010.0	8.88	-5.192
120.0	1005.0	67.352	0.604
120.0	1000.0	105.56	2.894
120.0	995.0	95.062	1.537
120.0	990.0	83.374	1.475
120.0	985.0	72.48	0.371
120.0	980.0	68.848	-0.196
120.0	975.0	67.108	0
120.0	970.0	64.208	-0.176
120.0	965.0	61.096	-0.339
120.0	960.0	58.32	-0.553
120.0	955.0	55.176	-0.7
120.0	950.0	51.972	-0.63
120.0	945.0	50.048	-0.633
120.0	940.0	49.468	-0.847
120.0	935.0	49.286	-1.052
120.0	930.0	48.278	-1.084
120.0	925.0	47.516	-1.025
120.0	920.0	45.258	-1.253
120.0	915.0	44.922	-1.198
120.0	910.0	45.35	-1.243
120.0	905.0	45.196	-1.242
120.0	900.0	45.104	-1.188
120.0	895.0	44.312	-1.334
120.0	890.0	44.28	-1.198
120.0	885.0	44.128	-1.131
120.0	880.0	43.03	-1.038
120.0	875.0	42.176	-0.935
120.0	870.0	42.022	-1.111
120.0	865.0	42.054	-1.552
120.0	860.0	42.572	-1.205
120.0	855.0	41.748	-0.935
120.0	850.0	40.588	-1.267
120.0	845.0	40.528	-1.19
120.0	840.0	41.32	-1.19

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
120.0	835.0	40.252	-1.247
120.0	830.0	39.094	-1.22
120.0	825.0	39.246	-1.095
120.0	820.0	40.252	-1.225
120.0	815.0	39.764	-1.255
120.0	810.0	38.604	-1.218
120.0	805.0	38.636	-1.15
120.0	800.0	38.758	-1.131
120.0	795.0	39.216	-1.205
120.0	790.0	39.184	-1.293
120.0	785.0	39.246	-1.334
120.0	780.0	40.436	-1.179
120.0	775.0	41.84	-1.038
120.0	770.0	42.756	-1.047
120.0	765.0	43.396	-1.019
120.0	760.0	44.708	-1.085
120.0	755.0	44.922	-1.174
120.0	750.0	44.22	-1.269
120.0	745.0	43.488	-1.238
120.0	740.0	43.518	-1.095
120.0	735.0	44.678	-1.093
120.0	730.0	45.318	-0.979
120.0	725.0	45.258	-0.841
120.0	720.0	46.63	-0.736
120.0	715.0	47.394	-0.742
120.0	710.0	45.228	-0.942
120.0	705.0	43.64	-0.986
120.0	700.0	44.892	-1.014
120.0	695.0	46.57	-0.916
120.0	690.0	45.684	-1.084
120.0	685.0	45.288	-0.982
120.0	680.0	44.982	-0.773
120.0	675.0	45.38	-0.485
120.0	670.0	46.874	0.038
120.0	665.0	46.844	0.235
120.0	660.0	45.684	0.213
120.0	655.0	43.58	-0.325
120.0	650.0	41.81	-0.788
120.0	645.0	42.144	-1.084

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
120.0	640.0	42.756	-1.098
120.0	635.0	41.596	-1.119
120.0	630.0	41.932	-0.997
120.0	625.0	42.206	-0.937
120.0	620.0	40.314	-1.047
120.0	615.0	39.306	-1.429
120.0	610.0	39.246	-1.616
100.0	650.0	55.084	-0.938
100.0	655.0	54.29	-0.703
100.0	660.0	55.664	0.056
100.0	665.0	58.074	0.887
100.0	670.0	57.556	1.267
100.0	675.0	68.176	6.212
100.0	680.0	66.192	3.193
100.0	685.0	61.492	0.135
100.0	690.0	60.852	0.033
100.0	695.0	57.83	-0.369
100.0	700.0	57.128	-0.878
100.0	705.0	57.618	-1.115
100.0	710.0	57.648	-0.981
100.0	715.0	57.8	-0.869
100.0	720.0	57.922	-1.019
100.0	725.0	58.442	-0.87
100.0	730.0	57.708	-0.915
100.0	735.0	56.824	-0.962
100.0	740.0	57.22	-0.856
100.0	745.0	58.198	-0.76
100.0	750.0	57.8	-0.622
100.0	755.0	59.082	-0.788
100.0	760.0	59.112	-0.755
100.0	765.0	58.532	-0.72
100.0	770.0	59.418	-0.808
100.0	775.0	59.478	-0.865
100.0	780.0	58.93	-0.893
100.0	785.0	57.83	-0.847
100.0	790.0	57.586	-0.852
100.0	795.0	57.25	-0.926
100.0	800.0	56.304	-0.913
100.0	805.0	55.664	-0.962

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
100.0	810.0	54.962	-0.972
100.0	815.0	54.566	-0.913
100.0	820.0	54.748	-0.883
100.0	825.0	56.518	-0.762
100.0	830.0	57.83	-1.164
100.0	835.0	37.72	-4.446
100.0	840.0	28.808	-5.187
100.0	845.0	53.498	-1.76
100.0	850.0	63.752	-0.242
100.0	855.0	58.198	-0.79
100.0	860.0	57.464	-0.896
100.0	865.0	57.312	-0.881
100.0	870.0	56.426	-0.87
100.0	875.0	56.092	-0.6
100.0	880.0	55.512	-0.42
100.0	885.0	55.42	-0.466
100.0	890.0	56.304	-0.639
100.0	895.0	56.518	-0.893
100.0	900.0	57.16	-1.062
100.0	905.0	57.618	-1.089
100.0	910.0	58.442	-0.872
100.0	915.0	58.288	-0.701
100.0	920.0	58.166	-0.716
100.0	925.0	58.808	-0.685
100.0	930.0	59.722	-0.681
100.0	935.0	60.028	-0.902
100.0	940.0	59.906	-0.999
100.0	945.0	61.706	-0.913
100.0	950.0	63.324	-0.887
100.0	955.0	64.056	-0.826
100.0	960.0	63.782	-0.762
100.0	965.0	62.072	-0.711
100.0	970.0	60.15	-0.648
100.0	975.0	61.89	-0.564
100.0	980.0	67.566	-0.319
100.0	985.0	67.994	-0.165
100.0	990.0	67.23	-0.055
100.0	995.0	71.044	0.284
100.0	1000.0	80.322	0.988

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
100.0	1005.0	92.59	1.859
100.0	1010.0	90.882	1.282
100.0	1015.0	38.848	-2.827
100.0	1020.0	-0.518	-4.984
100.0	1025.0	29.358	-1.988
100.0	1030.0	88.836	2.054
100.0	1035.0	95.276	2.19
100.0	1040.0	79.864	1.146
100.0	1045.0	69.764	0.385
100.0	1050.0	65.644	-0.128
100.0	1055.0	61.738	-0.417
100.0	1060.0	59.02	-0.461
100.0	1065.0	59.6	-0.521
100.0	1070.0	59.662	-0.586
100.0	1075.0	59.936	-0.6
100.0	1080.0	59.998	-0.591
100.0	1085.0	59.6	-0.525
100.0	1090.0	58.624	-0.604
100.0	1095.0	57.312	-0.617
100.0	1100.0	56.64	-0.663
100.0	1105.0	56.092	-0.712
100.0	1110.0	55.816	-0.769
100.0	1115.0	55.358	-0.836
100.0	1120.0	54.962	-0.865
100.0	1125.0	54.534	-0.891
100.0	1130.0	54.322	-0.891
100.0	1135.0	54.23	-0.927
100.0	1140.0	54.29	-0.953
100.0	1145.0	53.65	-1.006
100.0	1150.0	52.796	-0.99
100.0	1155.0	52.216	-0.994
100.0	1160.0	51.758	-1.005
100.0	1165.0	52.612	-0.986
100.0	1170.0	53.71	-0.995
100.0	1175.0	54.078	-0.918
100.0	1180.0	53.894	-0.979
100.0	1185.0	53.436	-1.034
100.0	1190.0	53.07	-1.054
100.0	1195.0	53.07	-1.131

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
100.0	1200.0	51.27	-1.205
80.0	1200.0	44.586	-1.24
80.0	1195.0	44.678	-1.078
80.0	1190.0	44.036	-1.095
80.0	1185.0	44.25	-1.124
80.0	1180.0	44.892	-1.041
80.0	1175.0	46.418	-1.056
80.0	1170.0	47.394	-1.045
80.0	1165.0	48.248	-0.959
80.0	1160.0	49.468	-0.959
80.0	1155.0	48.89	-1.056
80.0	1150.0	48.858	-1.038
80.0	1145.0	49.652	-1.062
80.0	1140.0	50.354	-1.047
80.0	1135.0	51.178	-1.074
80.0	1130.0	52.46	-0.955
80.0	1125.0	53.558	-0.951
80.0	1120.0	53.314	-0.964
80.0	1115.0	52.948	-0.885
80.0	1110.0	53.192	-0.878
80.0	1105.0	53.65	-0.894
80.0	1100.0	53.07	-0.992
80.0	1095.0	53.528	-0.883
80.0	1090.0	54.504	-0.913
80.0	1085.0	54.534	-0.905
80.0	1080.0	53.924	-0.9
80.0	1075.0	52.826	-0.94
80.0	1070.0	51.636	-0.891
80.0	1065.0	51.636	-0.935
80.0	1060.0	54.078	-0.859
80.0	1055.0	56.244	-0.661
80.0	1050.0	52.52	-0.867
80.0	1045.0	56.458	-0.435
80.0	1040.0	58.38	-0.378
80.0	1035.0	57.496	-0.461
80.0	1030.0	59.388	-0.396
80.0	1025.0	65.674	-0.124
80.0	1020.0	73.67	0.102
80.0	1015.0	61.828	-0.795

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
80.0	1010.0	27.1	-1.955
80.0	1005.0	34.638	-1.495
80.0	1000.0	64.056	-0.409
80.0	995.0	70.466	-0.248
80.0	990.0	63.172	-0.549
80.0	985.0	60.486	-0.633
80.0	980.0	61.036	-0.689
80.0	975.0	62.072	-0.661
80.0	970.0	62.928	-0.439
80.0	965.0	62.194	-0.619
80.0	960.0	61.28	-0.61
80.0	955.0	61.554	-0.762
80.0	950.0	62.104	-0.874
80.0	945.0	62.316	-0.773
80.0	940.0	62.164	-0.499
80.0	935.0	63.294	-0.523
80.0	930.0	65.704	-0.494
80.0	925.0	66.742	-0.591
80.0	920.0	66.59	-0.665
80.0	915.0	66.009	-0.586
80.0	910.0	66.468	-0.534
80.0	905.0	67.84	-0.564
80.0	900.0	68.023	-0.611
80.0	895.0	66.314	-0.661
80.0	890.0	65.308	-0.665
80.0	885.0	66.102	-0.597
80.0	880.0	67.352	-0.543
80.0	875.0	68.298	-0.663
80.0	870.0	68.39	-0.589
80.0	865.0	68.238	-0.556
80.0	860.0	68.176	-0.562
80.0	855.0	68.206	-0.582
80.0	850.0	68.634	-0.463
80.0	845.0	68.696	-0.356
80.0	840.0	68.268	-0.384
80.0	835.0	69.886	-0.428
80.0	830.0	73.182	-0.391
80.0	825.0	73.974	-0.312
80.0	820.0	72.418	-0.38

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
80.0	815.0	71.38	-0.349
80.0	810.0	71.166	-0.367
80.0	805.0	69.122	-0.494
80.0	800.0	66.346	-0.565
80.0	795.0	66.162	-0.47
80.0	790.0	69.976	-0.384
80.0	785.0	72.784	-0.424
80.0	780.0	74.646	-0.369
80.0	775.0	76.02	-0.389
80.0	770.0	76.722	-0.314
80.0	765.0	76.63	-0.26
80.0	760.0	78.46	-0.124
80.0	755.0	79.528	-0.121
80.0	750.0	79.009	-0.255
80.0	745.0	78.124	-0.216
80.0	740.0	78.248	-0.143
80.0	735.0	78.034	-0.27
80.0	730.0	76.69	-0.367
80.0	725.0	75.988	-0.316
80.0	720.0	74.708	-0.343
80.0	715.0	74.372	-0.339
80.0	710.0	74.25	-0.31
80.0	705.0	75.012	-0.286
80.0	700.0	76.69	-0.301
80.0	695.0	75.256	-0.459
80.0	690.0	72.846	-0.391
80.0	685.0	72.296	-0.266
80.0	680.0	72.754	-0.452
80.0	675.0	70.862	-0.514
80.0	670.0	67.016	-0.483
80.0	665.0	65.4	-0.468
80.0	660.0	68.634	-0.45
80.0	655.0	70.832	-0.448
80.0	650.0	71.716	-0.437
80.0	645.0	70.648	-0.51
80.0	640.0	70.556	-0.463
80.0	635.0	71.411	-0.343
80.0	630.0	70.22	-0.328
80.0	625.0	68.39	-0.36

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
80.0	620.0	65.948	-0.43
80.0	615.0	64.576	-0.72
80.0	610.0	64.91	-0.602
80.0	605.0	64.88	-0.633
80.0	600.0	60.09	-0.689
80.0	595.0	56.518	-0.799
80.0	590.0	54.23	-0.896
80.0	585.0	52.43	-1.021
80.0	580.0	50.872	-1.1
80.0	575.0	49.714	-1.119
80.0	570.0	48.278	-1.188
80.0	565.0	47.698	-1.19
80.0	560.0	47.12	-1.093
80.0	555.0	45.624	-1.084
80.0	550.0	44.464	-1.065
80.0	545.0	43.824	-1.133
80.0	540.0	43.488	-1.17
80.0	535.0	42.572	-1.311
80.0	530.0	40.68	-1.446
80.0	525.0	38.574	-1.376
80.0	520.0	38.056	-1.334
80.0	515.0	36.622	-1.6
80.0	510.0	35.248	-1.458
80.0	505.0	34.576	-1.367
80.0	500.0	36.712	-1.457
80.0	495.0	37.17	-1.412
80.0	490.0	37.934	-1.381
80.0	485.0	37.934	-1.372
80.0	480.0	37.628	-1.324
80.0	475.0	38.3	-1.297
80.0	470.0	39.55	-1.321
80.0	465.0	39.826	-1.337
80.0	460.0	39.124	-1.365
80.0	455.0	39.246	-1.387
80.0	450.0	39.398	-1.405
60.0	450.0	56.092	-0.907
60.0	455.0	56.732	-0.808
60.0	460.0	57.068	-0.714
60.0	465.0	56.426	-0.828

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
60.0	470.0	55.328	-0.859
60.0	475.0	55.084	-0.894
60.0	480.0	58.472	-0.58
60.0	485.0	57.464	-0.744
60.0	490.0	60.944	-0.621
60.0	495.0	62.622	-0.641
60.0	500.0	59.266	-0.668
60.0	505.0	55.694	-0.687
60.0	510.0	52.246	-0.806
60.0	515.0	50.538	-0.828
60.0	520.0	51.452	-0.775
60.0	525.0	51.728	-0.814
60.0	530.0	51.208	-0.907
60.0	535.0	50.506	-0.736
60.0	540.0	50.08	-0.766
60.0	545.0	50.048	-0.913
60.0	550.0	49.744	-0.885
60.0	555.0	50.506	-0.922
60.0	560.0	51.026	-0.883
60.0	565.0	51.3	-0.705
60.0	570.0	51.972	-0.773
60.0	575.0	52.002	-0.745
60.0	580.0	53.01	-0.797
60.0	585.0	55.938	-0.779
60.0	590.0	57.952	-0.723
60.0	595.0	59.296	-0.672
60.0	600.0	61.402	-0.598
60.0	605.0	62.988	-0.611
60.0	610.0	64.88	-0.488
60.0	615.0	67.566	-0.374
60.0	620.0	69.854	-0.345
60.0	625.0	69.764	-0.345
60.0	630.0	69.152	-0.332
60.0	635.0	68.39	-0.332
60.0	640.0	68.818	-0.248
60.0	645.0	70.13	-0.308
60.0	650.0	69.092	-0.439
60.0	655.0	66.192	-0.411
60.0	660.0	64.454	-0.332

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
60.0	665.0	63.752	-0.459
60.0	670.0	63.812	-0.334
60.0	675.0	62.958	-0.308
60.0	680.0	59.968	-0.365
60.0	685.0	59.204	-0.494
60.0	690.0	65.948	-0.262
60.0	695.0	72.784	0
60.0	700.0	74.86	-0.001
60.0	705.0	75.378	-0.06
60.0	710.0	77.454	-0.034
60.0	715.0	79.254	0.056
60.0	720.0	78.704	-0.001
60.0	725.0	76.904	-0.075
60.0	730.0	75.44	-0.104
60.0	735.0	75.286	-0.123
60.0	740.0	76.812	-0.007
60.0	745.0	78.858	-0.108
60.0	750.0	78.278	-0.053
60.0	755.0	75.286	-0.093
60.0	760.0	73.7	-0.113
60.0	765.0	74.554	-0.134
60.0	770.0	75.256	-0.101
60.0	775.0	74.494	-0.135
60.0	780.0	75.226	-0.183
60.0	785.0	75.5	-0.148
60.0	790.0	74.523	-0.161
60.0	795.0	73.67	-0.224
60.0	800.0	73.638	-0.246
60.0	805.0	72.998	-0.242
60.0	810.0	71.838	-0.293
60.0	815.0	71.38	-0.321
60.0	820.0	71.472	-0.363
60.0	825.0	70.922	-0.38
60.0	830.0	69.672	-0.369
60.0	835.0	68.97	-0.395
60.0	840.0	68.084	-0.332
60.0	845.0	67.352	-0.338
60.0	850.0	69.428	-0.406
60.0	855.0	73.394	-0.271

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
60.0	860.0	73.212	-0.259
60.0	865.0	63.72	-0.42
60.0	870.0	63.172	-0.49
60.0	875.0	65.245	-0.474
60.0	880.0	66.406	-0.481
60.0	885.0	67.17	-0.492
60.0	890.0	66.742	-0.531
60.0	895.0	65.918	-0.457
60.0	900.0	66.436	-0.389
60.0	905.0	66.986	-0.382
60.0	910.0	66.04	-0.376
60.0	915.0	64.91	-0.382
60.0	920.0	63.294	-0.43
60.0	925.0	62.652	-0.536
60.0	930.0	63.538	-0.532
60.0	935.0	64.27	-0.44
60.0	940.0	63.812	-0.477
60.0	945.0	63.568	-0.61
60.0	950.0	63.842	-0.575
60.0	955.0	63.294	-0.543
60.0	960.0	62.806	-0.591
60.0	965.0	62.378	-0.602
60.0	970.0	62.378	-0.613
60.0	975.0	61.584	-0.562
60.0	980.0	60.424	-0.646
60.0	985.0	59.204	-0.615
60.0	990.0	56.702	-0.615
60.0	995.0	54.656	-0.606
60.0	1000.0	54.322	-0.667
60.0	1005.0	54.84	-0.672
60.0	1010.0	55.542	-0.705
60.0	1015.0	55.634	-0.701
60.0	1020.0	54.656	-0.639
60.0	1025.0	53.466	-0.639
60.0	1030.0	53.07	-0.694
60.0	1035.0	53.406	-0.777
60.0	1040.0	53.162	-0.793
60.0	1045.0	52.398	-0.758
60.0	1050.0	51.94	-0.817

512 184

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
60.0	1055.0	52.398	-0.788
60.0	1060.0	52.948	-0.799
60.0	1065.0	52.826	-0.745
60.0	1070.0	51.544	-0.663
60.0	1075.0	50.416	-0.701
60.0	1080.0	49.926	-0.718
60.0	1085.0	49.408	-0.677
60.0	1090.0	49.408	-0.788
60.0	1095.0	49.774	-0.817
60.0	1100.0	49.774	-0.735
60.0	1105.0	49.012	-0.83
60.0	1110.0	48.95	-0.845
60.0	1115.0	48.218	-0.916
60.0	1120.0	47.272	-0.959
60.0	1125.0	47.302	-0.94
60.0	1130.0	48.188	-0.964
60.0	1135.0	48.37	-0.995
60.0	1140.0	48.096	-0.97
60.0	1145.0	48.31	-0.894
60.0	1150.0	47.73	-0.926
60.0	1155.0	45.868	-0.926
60.0	1160.0	43.976	-0.972
60.0	1165.0	43.304	-1.025
60.0	1170.0	44.036	-0.99
60.0	1175.0	46.356	-0.942
60.0	1180.0	46.844	-0.808
60.0	1185.0	44.586	-0.799
60.0	1190.0	43.334	-0.859
60.0	1195.0	43.334	-0.885
60.0	1200.0	43	-1.006
40.0	1200.0	42.236	-1.128
40.0	1195.0	42.358	-0.837
40.0	1190.0	42.542	-0.689
40.0	1185.0	43.58	-0.685
40.0	1180.0	44.312	-0.736
40.0	1175.0	44.372	-0.751
40.0	1170.0	44.098	-0.828
40.0	1165.0	44.708	-0.757
40.0	1160.0	45.318	-0.738

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
40.0	1155.0	45.624	-0.575
40.0	1150.0	45.868	-0.551
40.0	1145.0	46.356	-0.611
40.0	1140.0	47.576	-0.558
40.0	1135.0	48.492	-0.567
40.0	1130.0	48.4	-0.722
40.0	1125.0	48.066	-0.814
40.0	1120.0	48.126	-0.736
40.0	1115.0	48.522	-0.626
40.0	1110.0	49.102	-0.632
40.0	1105.0	48.98	-0.659
40.0	1100.0	49.042	-0.687
40.0	1095.0	49.682	-0.679
40.0	1090.0	49.5	-0.764
40.0	1085.0	50.11	-0.663
40.0	1080.0	50.354	-0.644
40.0	1075.0	49.682	-0.63
40.0	1070.0	48.95	-0.61
40.0	1065.0	49.652	-0.692
40.0	1060.0	50.384	-0.679
40.0	1055.0	50.598	-0.637
40.0	1050.0	50.69	-0.659
40.0	1045.0	51.026	-0.661
40.0	1040.0	51.33	-0.633
40.0	1035.0	51.972	-0.477
40.0	1030.0	53.132	-0.428
40.0	1025.0	53.192	-0.371
40.0	1020.0	51.88	-0.406
40.0	1015.0	50.538	-0.409
40.0	1010.0	50.872	-0.464
40.0	1005.0	52.338	-0.378
40.0	1000.0	53.62	-0.415
40.0	995.0	55.48	-0.406
40.0	990.0	56.488	-0.417
40.0	985.0	57.708	-0.385
40.0	980.0	59.112	-0.316
40.0	975.0	58.96	-0.367
40.0	970.0	59.204	-0.512
40.0	965.0	59.478	-0.321

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
40.0	960.0	60.792	-0.352
40.0	955.0	60.546	-0.271
40.0	950.0	60.058	-0.301
40.0	945.0	61.676	-0.297
40.0	940.0	62.774	-0.253
40.0	935.0	63.996	-0.295
40.0	930.0	64.758	-0.196
40.0	925.0	64.788	-0.169
40.0	920.0	64.362	-0.152
40.0	915.0	64.698	-0.163
40.0	910.0	65.064	-0.176
40.0	905.0	66.376	-0.231
40.0	900.0	68.36	-0.064
40.0	895.0	69.152	-0.119
40.0	890.0	67.962	-0.189
40.0	885.0	65.522	-0.191
40.0	880.0	65.278	-0.205
40.0	875.0	66.649	-0.2
40.0	870.0	68.36	-0.163
40.0	865.0	69	-0.185
40.0	860.0	67.504	-0.385
40.0	855.0	67.444	-0.205
40.0	850.0	67.81	-0.178
40.0	845.0	68.023	-0.148
40.0	840.0	69.702	-0.101
40.0	835.0	72.144	-0.049
40.0	830.0	71.624	-0.038
40.0	825.0	71.014	-0.034
40.0	820.0	71.686	-0.071
40.0	815.0	72.022	0.001
40.0	810.0	71.076	0.022
40.0	805.0	70.618	-0.038
40.0	800.0	71.716	-0.095
40.0	795.0	72.144	-0.082
40.0	790.0	67.75	-0.058
40.0	785.0	64.178	-0.06
40.0	780.0	63.324	-0.082
40.0	775.0	64.636	-0.08
40.0	770.0	66.224	0.005

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
40.0	765.0	67.2	-0.049
40.0	760.0	68.482	0.018
40.0	755.0	70.008	0.027
40.0	750.0	70.74	-0.027
40.0	745.0	69.396	-0.023
40.0	740.0	68.084	-0.014
40.0	735.0	67.138	-0.001
40.0	730.0	68.146	0.08
40.0	725.0	70.556	-0.005
40.0	720.0	72.174	0.012
40.0	715.0	70.648	0.031
40.0	710.0	68.786	-0.055
40.0	705.0	69.184	-0.066
40.0	700.0	72.968	0.121
40.0	695.0	77.21	0.203
40.0	690.0	77.728	0.371
40.0	685.0	77.635	0.358
40.0	680.0	77.148	0.233
40.0	675.0	76.934	0.249
40.0	670.0	76.6	0.099
40.0	665.0	77.392	-0.187
40.0	660.0	79.864	-0.42
40.0	655.0	65.156	-0.038
40.0	650.0	46.662	0.292
40.0	645.0	57.74	-0.328
40.0	640.0	70.496	-0.483
40.0	635.0	73.7	-0.36
40.0	630.0	66.864	-0.205
40.0	625.0	63.964	-0.2
40.0	620.0	64.086	-0.178
40.0	615.0	63.72	-0.216
40.0	610.0	68.39	-0.108
40.0	605.0	75.012	0.112
40.0	600.0	69.306	-0.273
40.0	595.0	64.208	-0.222
40.0	590.0	63.69	-0.163
40.0	585.0	63.782	-0.332
40.0	580.0	75.806	0.328
40.0	575.0	74.432	0.22

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
40.0	570.0	70.404	0.078
40.0	565.0	67.17	-0.145
40.0	560.0	65.978	-0.045
40.0	555.0	63.934	-0.176
40.0	550.0	67.81	-0.031
40.0	545.0	70.862	0.044
40.0	540.0	69.854	-0.036
40.0	535.0	69.396	-0.084
40.0	530.0	70.374	0.009
40.0	525.0	70.922	0.014
40.0	520.0	71.166	0.005
40.0	515.0	70.526	-0.053
40.0	510.0	66.468	-0.012
40.0	505.0	62.622	-0.068
40.0	500.0	61.096	-0.192
40.0	495.0	63.202	-0.135
40.0	490.0	65.156	-0.095
40.0	485.0	64.422	-0.157
40.0	480.0	62.958	-0.176
40.0	475.0	63.11	-0.145
40.0	470.0	62.988	-0.143
40.0	465.0	61.614	-0.086
40.0	460.0	61.28	-0.194
40.0	455.0	62.958	-0.097
40.0	450.0	64.544	-0.078
40.0	445.0	64.91	-0.143
40.0	440.0	62.774	-0.251
40.0	435.0	60.058	-0.205
40.0	430.0	58.228	-0.189
40.0	425.0	59.112	-0.119
40.0	420.0	60.914	-0.181
40.0	415.0	62.134	-0.229
40.0	410.0	62.042	-0.266
40.0	405.0	62.042	-0.207
40.0	400.0	62.286	-0.2
40.0	395.0	62.316	-0.13
40.0	390.0	62.836	-0.178
40.0	385.0	63.69	-0.152
40.0	380.0	64.636	-0.086

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
40.0	375.0	66.62	-0.165
40.0	370.0	67.566	-0.102
40.0	365.0	67.108	-0.093
40.0	360.0	66.314	-0.071
40.0	355.0	64.514	-0.121
40.0	350.0	63.232	-0.198
40.0	345.0	66.009	0.068
40.0	340.0	69.092	-0.091
40.0	335.0	69.214	-0.157
40.0	330.0	68.664	-0.181
40.0	325.0	68.146	-0.176
40.0	320.0	66.346	-0.15
40.0	315.0	64.636	-0.191
40.0	310.0	64.88	-0.174
40.0	305.0	66.834	-0.102
40.0	300.0	69.366	-0.088
40.0	295.0	71.502	-0.027
40.0	290.0	71.686	-0.007
40.0	285.0	70.74	-0.016
40.0	280.0	69.122	0.003
40.0	275.0	67.474	0.023
40.0	270.0	66.162	0.049
40.0	265.0	65.674	-0.005
40.0	260.0	64.056	-0.108
40.0	255.0	63.508	-0.075
40.0	250.0	65.552	0.123
40.0	245.0	64.27	-0.231
40.0	240.0	64.422	-0.2
40.0	235.0	64.666	-0.145
40.0	230.0	64.698	-0.141
40.0	225.0	65.368	-0.11
40.0	220.0	65.216	-0.056
40.0	215.0	65.826	-0.132
40.0	210.0	65.552	-0.145
40.0	205.0	64.82	0.066
40.0	200.0	64.3	0.007
40.0	195.0	61.982	-0.08
40.0	190.0	62.256	-0.012
40.0	185.0	63.508	-0.04

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
40.0	180.0	63.11	-0.04
40.0	175.0	60.638	0.038
40.0	170.0	58.99	0.025
40.0	165.0	58.41	0.009
40.0	160.0	58.288	0.113
40.0	155.0	58.228	0.066
40.0	150.0	57.618	0.113
40.0	145.0	56.336	0.196
40.0	140.0	56.304	0.033
40.0	135.0	56.762	0.099
40.0	130.0	57.22	0.29
40.0	125.0	56.672	0.176
40.0	120.0	56.488	0.134
40.0	115.0	56.884	0.192
40.0	110.0	57.312	0.148
40.0	105.0	57.068	0.121
40.0	100.0	56.488	0.117
40.0	95.0	55.816	0.009
40.0	90.0	54.902	-0.062
40.0	85.0	53.65	-0.121
40.0	80.0	51.972	-0.165
40.0	75.0	50.72	-0.192
40.0	70.0	50.506	-0.339
40.0	65.0	49.896	-0.317
40.0	60.0	48.614	-0.38
40.0	55.0	46.936	-0.468
40.0	50.0	46.478	-0.486
40.0	45.0	46.112	-0.569
40.0	40.0	44.83	-0.679
40.0	35.0	44.342	-0.738
40.0	30.0	46.234	-0.63
40.0	25.0	46.998	-0.426
40.0	20.0	46.63	-0.65
40.0	15.0	46.662	-0.597
40.0	10.0	47.79	-0.644
40.0	5.0	47.79	-0.597
40.0	0.0	48.034	-0.667
20.0	0.0	66.224	1.668
20.0	5.0	65.796	1.841

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
20.0	10.0	67.078	1.804
20.0	15.0	66.772	1.835
20.0	20.0	66.224	1.763
20.0	25.0	65.43	1.675
20.0	30.0	63.416	1.646
20.0	35.0	62.53	1.582
20.0	40.0	62.348	1.554
20.0	45.0	63.294	1.499
20.0	50.0	63.354	1.585
20.0	55.0	62.592	1.635
20.0	60.0	61.92	1.594
20.0	65.0	61.34	1.537
20.0	70.0	60.914	1.593
20.0	75.0	61.096	1.635
20.0	80.0	61.004	1.582
20.0	85.0	61.248	1.648
20.0	90.0	62.378	1.657
20.0	95.0	63.996	1.646
20.0	100.0	64.026	1.786
20.0	105.0	63.08	1.879
20.0	110.0	63.904	1.863
20.0	115.0	66.498	1.885
20.0	120.0	69.214	1.596
20.0	125.0	69.122	1.8
20.0	130.0	67.504	1.89
20.0	135.0	68.39	1.804
20.0	140.0	68.054	1.776
20.0	145.0	66.712	1.927
20.0	150.0	64.85	2.215
20.0	155.0	64.788	2.449
20.0	160.0	65.888	2.416
20.0	165.0	67.932	2.408
20.0	170.0	69	2.55
20.0	175.0	69.214	2.497
20.0	180.0	70.16	2.478
20.0	185.0	72.57	2.306
20.0	190.0	73.638	2.195
20.0	195.0	72.052	2.175
20.0	200.0	71.044	2.291

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
20.0	205.0	71.778	2.241
20.0	210.0	73.792	2.21
20.0	215.0	73.76	2.228
20.0	220.0	73.06	2.315
20.0	225.0	73.852	2.434
20.0	230.0	75.684	2.484
20.0	235.0	77.302	2.443
20.0	240.0	78.156	2.407
20.0	245.0	79.438	2.283
20.0	250.0	79.284	2.34
20.0	255.0	78.98	2.486
20.0	260.0	79.162	2.515
20.0	265.0	78.766	2.526
20.0	270.0	77.85	2.668
20.0	275.0	77.635	2.818
20.0	280.0	77.392	2.822
20.0	285.0	77.424	2.864
20.0	290.0	78.124	2.846
20.0	295.0	79.224	2.949
20.0	300.0	78.918	2.98
20.0	305.0	77.484	2.824
20.0	310.0	76.142	2.853
20.0	315.0	76.354	2.932
20.0	320.0	79.742	3.294
20.0	325.0	80.2	3.197
20.0	330.0	80.688	3.04
20.0	335.0	84.228	2.51
20.0	340.0	89.142	2.243
20.0	345.0	87.31	2.43
20.0	350.0	85.784	2.482
20.0	355.0	88.776	2.339
20.0	360.0	90.668	2.23
20.0	365.0	88.44	2.214
20.0	370.0	88.592	2.162
20.0	375.0	89.57	2.17
20.0	380.0	89.05	2.111
20.0	385.0	87.372	2.168
20.0	390.0	84.412	2.223
20.0	395.0	83.19	2.164

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
20.0	400.0	80.2	2.186
20.0	405.0	79.102	2.155
20.0	410.0	77.88	2.249
20.0	415.0	77.79	2.247
20.0	420.0	80.444	2.23
20.0	425.0	80.75	2.158
20.0	430.0	79.438	2.203
20.0	435.0	78.156	2.37
20.0	440.0	75.866	2.416
20.0	445.0	74.708	2.43
20.0	450.0	74.31	2.328
20.0	455.0	74.708	2.302
20.0	460.0	75.074	2.364
20.0	465.0	75.104	2.329
20.0	470.0	75.806	2.487
20.0	475.0	76.264	2.557
20.0	480.0	77.332	2.555
20.0	485.0	77.484	2.546
20.0	490.0	78.704	2.386
20.0	495.0	80.506	2.454
20.0	500.0	81.878	2.473
20.0	505.0	88.318	2.316
20.0	510.0	94.726	2.25
20.0	515.0	98.602	2.342
20.0	520.0	100.464	2.135
20.0	525.0	100.25	2.085
20.0	530.0	98.754	2.107
20.0	535.0	96.222	2.298
20.0	540.0	96.495	2.28
20.0	545.0	94.422	2.26
20.0	550.0	89.08	1.947
20.0	555.0	87.098	1.718
20.0	560.0	88.624	1.929
20.0	565.0	85.052	2.045
20.0	570.0	81.452	1.683
20.0	575.0	79.224	1.648
20.0	580.0	80.17	1.815
20.0	585.0	80.322	1.602
20.0	590.0	79.834	1.541

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
20.0	595.0	78.888	1.532
20.0	600.0	78.492	1.639
20.0	605.0	77.21	1.747
20.0	610.0	76.11	1.745
20.0	615.0	74.494	1.861
20.0	620.0	71.35	1.602
20.0	625.0	74.128	2.394
20.0	630.0	75.928	2.879
20.0	635.0	71.624	2.548
20.0	640.0	71.745	2.576
20.0	645.0	71.96	2.502
20.0	650.0	72.906	2.386
20.0	655.0	74.462	2.304
20.0	660.0	72.418	2.335
20.0	665.0	71.198	2.103
20.0	670.0	73.304	2.105
20.0	675.0	73.913	2.197
20.0	680.0	73.456	2.243
20.0	685.0	73.426	2.201
20.0	690.0	74.768	2.366
20.0	695.0	74.006	2.267
20.0	700.0	72.448	2.263
20.0	705.0	71.29	2.236
20.0	710.0	72.022	2.263
20.0	715.0	71.93	2.287
20.0	720.0	70.434	2.204
20.0	725.0	68.238	2.193
20.0	730.0	65.826	2.204
20.0	735.0	64.514	2.12
20.0	740.0	66.162	2.05
20.0	745.0	67.78	2.026
20.0	750.0	67.504	1.942
20.0	755.0	65.674	1.729
20.0	760.0	64.82	1.672
20.0	765.0	63.996	1.618
20.0	770.0	67.382	1.934
20.0	775.0	64.484	1.457
20.0	780.0	62.408	0.97
20.0	785.0	61.248	1.027

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
20.0	790.0	60.852	0.982
20.0	795.0	60.18	0.769
20.0	800.0	60.944	0.863
20.0	805.0	60.212	0.83
20.0	810.0	62.622	1.22
20.0	815.0	67.138	1.723
20.0	820.0	67.658	1.879
20.0	825.0	66.864	1.554
20.0	830.0	67.292	1.591
20.0	835.0	70.344	1.547
20.0	840.0	67.048	1.469
20.0	845.0	66.802	1.585
20.0	850.0	71.166	1.282
20.0	855.0	71.228	1.457
20.0	860.0	72.236	1.681
20.0	865.0	73.426	1.477
20.0	870.0	74.738	1.473
20.0	875.0	75.164	1.398
20.0	880.0	74.096	1.401
20.0	885.0	74.096	1.089
20.0	890.0	73.516	1.251
20.0	895.0	72.998	1.234
20.0	900.0	73.394	0.698
20.0	905.0	75.53	1.073
20.0	910.0	78.094	1.255
20.0	915.0	77.912	1.107
20.0	920.0	76.02	1.359
20.0	925.0	73.426	1.267
20.0	930.0	72.174	1.35
20.0	935.0	70.984	1.225
20.0	940.0	70.8	0.97
20.0	945.0	70.434	0.802
20.0	950.0	70.588	0.909
20.0	955.0	69.854	1.052
20.0	960.0	69.794	1.269
20.0	965.0	70.648	1.508
20.0	970.0	70.526	1.288
20.0	975.0	70.8	1.242
20.0	980.0	70.74	1.306

512 190

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
20.0	985.0	70.13	1.289
20.0	990.0	69.214	1.074
20.0	995.0	69.642	1.128
20.0	1000.0	70.556	1.223
20.0	1005.0	70.16	1.163
20.0	1010.0	69.184	1.253
20.0	1015.0	67.108	1.258
20.0	1020.0	65.002	1.1
20.0	1025.0	64.27	0.994
20.0	1030.0	63.416	0.96
20.0	1035.0	61.982	1.082
20.0	1040.0	61.828	1.221
20.0	1045.0	62.5	1.155
20.0	1050.0	63.11	1.098
20.0	1055.0	63.568	1.135
20.0	1060.0	63.752	1.271
20.0	1065.0	64.178	1.341
20.0	1070.0	63.262	1.335
20.0	1075.0	62.104	1.401
20.0	1080.0	62.226	1.469
20.0	1085.0	62.438	1.596
20.0	1090.0	61.89	1.55
20.0	1095.0	61.492	1.653
20.0	1100.0	61.614	1.512
20.0	1105.0	61.524	1.635
20.0	1110.0	61.92	1.569
20.0	1115.0	61.798	1.639
20.0	1120.0	61.646	1.657
20.0	1125.0	61.89	1.734
20.0	1130.0	61.706	1.745
20.0	1135.0	61.798	1.736
20.0	1140.0	62.256	1.745
20.0	1145.0	62.226	1.841
20.0	1150.0	61.248	1.683
20.0	1155.0	60.364	1.635
20.0	1160.0	60.424	1.631
20.0	1165.0	60.364	1.73
20.0	1170.0	60.028	1.672
20.0	1175.0	59.722	1.795

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
20.0	1180.0	59.418	1.945
20.0	1185.0	58.838	1.819
20.0	1190.0	58.166	1.703
20.0	1195.0	57.342	1.734
20.0	1200.0	58.136	1.76
0.0	1200.0	0	0
60.0	0.0	47.852	-0.972
60.0	5.0	48.156	-0.949
60.0	10.0	48.126	-0.902
60.0	15.0	47.486	-0.874
60.0	20.0	47.638	-0.841
60.0	25.0	47.698	-0.819
60.0	30.0	47.638	-0.784
60.0	35.0	48.614	-0.7
60.0	40.0	50.354	-0.608
60.0	45.0	50.202	-0.729
60.0	50.0	46.874	-0.788
60.0	55.0	45.96	-0.744
60.0	60.0	49.468	-0.622
60.0	65.0	52.032	-0.474
60.0	70.0	52.612	-0.411
60.0	75.0	52.216	-0.301
60.0	80.0	51.91	-0.135
60.0	85.0	53.254	0.044
60.0	90.0	54.382	0.121
60.0	95.0	55.664	0.229
60.0	100.0	57.006	0.4
60.0	105.0	57.618	0.558
60.0	110.0	57.922	0.681
60.0	115.0	58.35	0.841
60.0	120.0	58.014	0.858
60.0	125.0	58.93	0.99
60.0	130.0	59.906	1.021
60.0	135.0	60.18	1.069
60.0	140.0	59.968	0.986
60.0	145.0	60.15	0.927
60.0	150.0	59.784	0.847
60.0	155.0	58.96	0.714
60.0	160.0	57.74	0.479

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
60.0	165.0	57.282	0.373
60.0	170.0	58.198	0.446
60.0	175.0	58.838	0.393
60.0	180.0	57.678	0.066
60.0	185.0	57.464	-0.236
60.0	190.0	56.426	-0.442
60.0	195.0	54.382	-0.562
60.0	200.0	53.132	-0.692
60.0	205.0	53.956	-0.667
60.0	210.0	57.006	-0.604
60.0	215.0	61.95	-0.395
60.0	220.0	66.834	-0.235
60.0	225.0	67.75	-0.271
60.0	230.0	64.118	-0.455
60.0	235.0	58.198	-0.738
60.0	240.0	52.46	-0.948
60.0	245.0	48.248	-1.109
60.0	250.0	46.936	-1.144
60.0	255.0	46.478	-1.157
60.0	260.0	46.966	-1.091
60.0	265.0	47.608	-1.107
60.0	270.0	47.454	-1.122
60.0	275.0	47.15	-1.188
60.0	280.0	46.998	-1.141
60.0	285.0	47.912	-1.084
60.0	290.0	48.492	-1.084
60.0	295.0	47.974	-1.093
60.0	300.0	47.73	-1.115
60.0	305.0	48.432	-1.056
60.0	310.0	48.858	-0.99
60.0	315.0	49.286	-1.109
60.0	320.0	49.378	-1.054
60.0	325.0	49.072	-0.999
60.0	330.0	48.98	-1.021
60.0	335.0	48.34	-1.065
60.0	340.0	48.218	-1.027
60.0	345.0	49.134	-0.995
60.0	350.0	51.026	-1.021
60.0	355.0	51.544	-0.979

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
60.0	360.0	51.544	-1.012
60.0	365.0	51.24	-0.973
60.0	370.0	49.346	-0.986
60.0	375.0	48.126	-1.025
60.0	380.0	53.222	-0.885
60.0	385.0	55.298	-0.751
60.0	390.0	53.162	-0.931
60.0	395.0	52.002	-1.008
60.0	400.0	52.062	-1.014
60.0	405.0	54.046	-0.801
60.0	410.0	55.816	-0.762
60.0	415.0	57.16	-0.81
60.0	420.0	58.166	-0.701
60.0	425.0	58.166	-0.764
60.0	430.0	60.546	-0.626
60.0	435.0	59.174	-0.758
60.0	440.0	56.58	-0.863
60.0	445.0	55.512	-0.821
60.0	450.0	54.26	-0.896
80.0	150.0	98.542	4.797
80.0	145.0	100.556	5.177
80.0	140.0	109.558	6.539
80.0	135.0	111.206	6.675
80.0	130.0	111.694	7.039
80.0	125.0	112.182	7.377
80.0	120.0	114.106	7.513
80.0	115.0	115.998	7.788
80.0	110.0	117.218	7.636
80.0	105.0	114.99	7.044
80.0	100.0	114.044	6.721
80.0	95.0	111.39	6.151
80.0	90.0	108.094	5.58
80.0	85.0	102.386	4.768
80.0	80.0	96.282	3.884
80.0	75.0	90.026	2.956
80.0	70.0	85.754	2.192
80.0	65.0	82.428	1.519
80.0	60.0	76.69	0.806
80.0	55.0	68.023	0.163

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
80.0	50.0	60.456	-0.385
80.0	45.0	57.282	-0.667
80.0	40.0	55.48	-0.854
80.0	35.0	54.29	-1.141
80.0	30.0	52.032	-1.056
80.0	25.0	48.706	-1.071
80.0	20.0	48.858	-1.045
80.0	15.0	52.062	-1.096
80.0	10.0	51.514	-1.13
80.0	5.0	50.506	-1.135
80.0	0.0	50.598	-1.142
100.0	0.0	52.856	-1.102
100.0	5.0	52.886	-1.039
100.0	10.0	53.04	-0.953
100.0	15.0	53.344	-0.973
100.0	20.0	52.826	-0.977
100.0	25.0	51.452	-0.984
100.0	30.0	51.788	-0.992
100.0	35.0	53.68	-1.036
100.0	40.0	54.412	-1.111
100.0	45.0	55.084	-1.131
100.0	50.0	62.134	-0.96
100.0	55.0	79.772	-0.157
100.0	60.0	110.81	1.479
100.0	65.0	153.472	4.396
100.0	70.0	201.294	8.533
100.0	75.0	236.39	12.518
100.0	80.0	261.688	16.298
100.0	85.0	280.274	19.223
100.0	90.0	294.738	21.623
100.0	95.0	300.934	24.318
100.0	100.0	299.622	24.167
100.0	105.0	257.142	19.585
100.0	110.0	156.586	10.181
100.0	115.0	149.414	10.383
100.0	120.0	115.082	7.212
100.0	125.0	104.522	6.522
100.0	130.0	100.402	6.631
100.0	135.0	99.854	6.48

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
100.0	140.0	99.976	6.307
100.0	145.0	103.058	6.249
100.0	150.0	106.658	6.19
100.0	155.0	95.886	4.053
100.0	160.0	100.068	4.698
100.0	165.0	91.522	3.702
100.0	170.0	81.787	2.515
100.0	175.0	75.196	1.758
120.0	200.0	49.714	-1.227
120.0	195.0	50.72	-1.179
120.0	190.0	51.666	-1.133
120.0	185.0	51.818	-0.975
120.0	180.0	52.062	-0.894
120.0	175.0	51.24	-0.858
120.0	170.0	49.316	-0.711
120.0	165.0	47.79	-0.477
120.0	160.0	46.264	-0.312
120.0	155.0	52.094	0.112
120.0	150.0	64.118	0.409
120.0	145.0	69.824	0.881
120.0	140.0	74.523	1.113
120.0	135.0	74.798	1.475
120.0	130.0	71.38	1.631
120.0	125.0	66.376	1.512
120.0	120.0	65.46	1.503
120.0	115.0	67.108	1.572
120.0	110.0	67.872	1.589
120.0	105.0	69.184	1.637
120.0	100.0	71.808	1.662
120.0	95.0	73.15	1.545
120.0	90.0	70.678	1.39
120.0	85.0	69.062	1.313
120.0	80.0	68.786	1.119
120.0	75.0	68.176	0.865
120.0	70.0	69.184	0.659
120.0	65.0	69.55	0.426
120.0	60.0	67.322	0.04
120.0	55.0	66.926	-0.137
120.0	50.0	66.376	-0.338

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
120.0	45.0	64.606	-0.519
120.0	40.0	63.262	-0.626
120.0	35.0	63.69	-0.632
120.0	30.0	63.69	-0.689
120.0	25.0	63.508	-0.731
120.0	20.0	63.05	-0.795
120.0	15.0	59.6	-0.869
120.0	10.0	55.848	-0.927
120.0	5.0	56.06	-0.966
120.0	0.0	58.35	-0.94
20.0	1200.0	59.876	1.348
25.0	1200.0	60.456	1.203
30.0	1200.0	48.188	0.08
35.0	1200.0	39.642	-0.273
40.0	1200.0	39.246	-0.584
45.0	1200.0	41.168	-0.712
50.0	1200.0	42.968	-0.723
55.0	1200.0	44.982	-0.72
60.0	1200.0	44.952	-0.81
65.0	1200.0	42.266	-0.916
70.0	1200.0	40.436	-1.054
75.0	1200.0	41.138	-1.078
80.0	1200.0	43.06	-1.034
85.0	1200.0	43.182	-1.12
90.0	1200.0	43.182	-1.174
95.0	1200.0	44.616	-1.133
100.0	1200.0	47.332	-1.084
105.0	1200.0	49.926	-1.096
110.0	1200.0	50.75	-1.049
115.0	1200.0	49.468	-1.03
120.0	1200.0	47.028	-1.054
125.0	1200.0	51.88	-0.973
130.0	1200.0	54.596	-0.942
135.0	1200.0	53.344	-1.023
140.0	1200.0	56.794	-0.911
145.0	1200.0	63.324	-0.745
150.0	1200.0	60.028	-0.769
155.0	1200.0	55.39	-0.858
160.0	1200.0	59.448	-0.854

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
165.0	1200.0	62.744	-0.823
170.0	1200.0	61.066	-0.856
175.0	1200.0	58.838	-0.863
180.0	1200.0	57.526	-0.944
185.0	1200.0	50.904	-1.106
190.0	1200.0	51.728	-1.13
195.0	1200.0	54.78	-1.038
200.0	1200.0	58.532	-0.946
205.0	1200.0	59.448	-0.946
210.0	1200.0	56.946	-0.933
215.0	1200.0	54.748	-1.016
220.0	1200.0	55.39	-0.96
225.0	1200.0	56.304	-0.915
230.0	1200.0	56.182	-0.96
235.0	1200.0	55.572	-0.959
240.0	1200.0	54.26	-0.863
245.0	1200.0	55.146	-0.872
250.0	1200.0	57.952	-0.905
255.0	1200.0	59.936	-0.913
260.0	1200.0	61.768	-0.854
265.0	1200.0	60.822	-0.826
270.0	1200.0	59.144	-0.814
275.0	1200.0	59.632	-0.845
280.0	1200.0	61.86	-0.755
285.0	1200.0	62.836	-0.887
290.0	1200.0	61.828	-0.834
295.0	1200.0	60.546	-0.78
300.0	1200.0	60.212	-0.786
305.0	1200.0	60.73	-0.784
310.0	1200.0	61.646	-0.795
315.0	1200.0	60.364	-0.698
320.0	1200.0	63.66	-0.639
320.0	650.0	51.27	-0.966
315.0	650.0	51.24	-0.953
310.0	650.0	50.842	-0.933
305.0	650.0	46.386	-1.003
300.0	650.0	48.248	-0.942
295.0	650.0	54.534	-0.99
290.0	650.0	57.586	-0.881

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
285.0	650.0	55.176	-0.711
280.0	650.0	52.246	-0.422
275.0	650.0	52.52	-0.071
270.0	650.0	57.098	0.185
265.0	650.0	60.394	-0.279
260.0	650.0	55.726	-0.87
255.0	650.0	49.438	-1.203
250.0	650.0	49.256	-0.764
245.0	650.0	52.062	-0.768
240.0	650.0	53.65	-0.962
235.0	650.0	53.1	-0.957
230.0	650.0	50.904	-0.9
225.0	650.0	49.316	-1.008
220.0	650.0	47.882	-1.08
215.0	650.0	47.882	-1.06
210.0	650.0	47.73	-0.988
205.0	650.0	46.662	-1.181
200.0	650.0	43.426	-1.176
195.0	650.0	41.352	-1.422
190.0	650.0	41.23	-1.723
185.0	650.0	40.284	-1.291
180.0	650.0	40.864	-1.017
175.0	650.0	41.656	-1.142
170.0	650.0	42.022	-1.141
165.0	650.0	42.022	-1.168
160.0	650.0	40.496	-1.273
155.0	650.0	40.162	-1.229
150.0	650.0	41.932	-1.24
145.0	650.0	43.366	-1.159
140.0	650.0	42.266	-1.069
135.0	650.0	41.474	-0.474
130.0	650.0	42.51	-0.63
125.0	650.0	42.144	-0.988
120.0	650.0	40.008	-1.067
115.0	650.0	40.466	-1.023
110.0	650.0	44.22	-0.865
105.0	650.0	44.128	-0.804
100.0	650.0	40.588	-0.654
95.0	650.0	48.768	-0.553

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
90.0	650.0	55.572	-1.317
85.0	650.0	55.298	-1.253
80.0	650.0	61.768	-0.564
75.0	650.0	73.15	-0.266
70.0	650.0	74.066	-0.26
65.0	650.0	66.986	-0.479
60.0	650.0	63.018	-0.564
55.0	650.0	63.14	-0.549
50.0	650.0	66.192	-0.523
45.0	650.0	71.106	-0.637
40.0	650.0	73.73	-0.874
35.0	650.0	71.166	-0.769
30.0	650.0	64.666	-0.661
25.0	650.0	63.416	0.169
20.0	650.0	86.608	2.329
15.0	650.0	86.792	2.537
10.0	650.0	75.622	2.871
40.0	100.0	51.972	-0.106
45.0	100.0	54.81	0.003
50.0	100.0	58.898	0.007
55.0	100.0	53.528	0.11
60.0	100.0	56.03	0.413
65.0	100.0	61.738	1.111
70.0	100.0	70.954	2.181
75.0	100.0	84.076	3.713
80.0	100.0	98.602	4.994
85.0	100.0	105.042	4.957
90.0	100.0	64.728	-0.847
95.0	100.0	-47.73	-11.074
100.0	100.0	-31.036	-9.679
105.0	100.0	107.392	6.083
110.0	100.0	140.472	8.54
115.0	100.0	92.53	3.538
120.0	100.0	74.188	1.627
125.0	100.0	67.78	0.994
130.0	100.0	62.988	0.437
135.0	100.0	61.706	0.058
140.0	100.0	61.982	-0.178
145.0	100.0	62.438	-0.273

Table F.1
SWMU 27/Landfill 10
Electromagnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Conductivity (mS/m)	Inphase (ppt)
150.0	100.0	62.988	-0.334
155.0	100.0	65.734	-0.268
160.0	100.0	69.396	-0.334
165.0	100.0	71.99	-0.27
170.0	100.0	71.93	-0.341
175.0	100.0	72.784	-0.253
180.0	100.0	78.216	-0.029
185.0	100.0	86.212	0.13
190.0	100.0	90.058	0.203
195.0	100.0	87.768	0.163
200.0	100.0	81.268	0.091
205.0	100.0	79.682	0.084
210.0	100.0	79.162	-0.009
215.0	100.0	77.85	0.014
220.0	100.0	78.766	0.058
225.0	100.0	78.736	0.056
230.0	100.0	78.248	-0.02
235.0	100.0	80.292	0.141
240.0	100.0	83.19	0.235
245.0	100.0	81.39	0.233
250.0	100.0	77.302	0.141
255.0	100.0	80.078	0.286
260.0	100.0	84.135	0.347
265.0	100.0	82.397	0.297
270.0	100.0	79.864	0.181
275.0	100.0	78.736	0.176
280.0	100.0	80.262	0.299
285.0	100.0	83.466	0.271
290.0	100.0	87.28	0.358
295.0	100.0	90.79	0.406
300.0	100.0	82.062	0.244

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
300.0	0.0	51007.98	8.1
300.0	3.1	51007.4	9
300.0	6.2	51009.62	9.66
300.0	9.3	51022.84	13.55
300.0	12.5	51036.93	15.48
300.0	15.6	51048.58	14.69
300.0	18.7	51053.72	11.94
300.0	21.8	51055.85	8.35
300.0	25.0	51057.45	4.35
300.0	28.1	51058.31	2.82
300.0	31.2	51044.28	-20.33
300.0	34.3	51055.87	-0.19
300.0	37.5	51052.8	-1.3
300.0	40.6	51050.67	-1.21
300.0	43.7	51029.19	-36.55
300.0	46.8	51048.54	-0.82
300.0	50.0	51049.77	0.08
300.0	53.5	51051.53	0.57
300.0	57.1	51051.28	-0.19
300.0	60.7	51051.96	0.05
300.0	64.2	51051.72	0.42
300.0	67.8	51053	0.82
300.0	71.4	51054.43	-0.3
300.0	75.0	51048.79	-12.1
300.0	78.5	51053.55	0.03
300.0	82.1	51044.75	-3.5
300.0	85.7	51005.31	-23.32
300.0	89.2	50936.06	-77.96
300.0	92.8	50927.6	-82.46
300.0	96.4	50994.5	-16.66
300.0	100.0	51018.01	0.1
300.0	103.8	51009.22	-14.66
300.0	107.6	51020.44	-7.71
300.0	111.5	51035.67	2.58
300.0	115.3	51042.92	4.37
300.0	119.2	51046.74	3.62
300.0	123.0	51046.74	1.73
300.0	126.9	51045.59	1.08
300.0	130.7	51045.76	1.14

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
300.0	134.6	51046.2	0.37
300.0	138.4	51046.93	-0.08
300.0	142.3	51019.99	-48.44
300.0	146.1	51047.81	1.33
300.0	150.0	51046.82	1.53
300.0	153.8	51047.02	0.78
300.0	157.6	51047.31	1.21
300.0	161.5	51046.83	0.78
300.0	165.3	51044.95	-2.26
300.0	169.2	51045.45	-0.73
300.0	173.0	51045.58	-1.05
300.0	176.9	51046.45	-0.67
300.0	180.7	51046.94	-0.73
300.0	184.6	51046.8	-0.76
300.0	188.4	51046.44	0.08
300.0	192.3	51045.49	-0.19
300.0	196.1	51046.23	1.03
300.0	200.0	51047.74	2.75
300.0	203.8	51039.63	-12.03
300.0	207.6	51046.46	1.16
300.0	211.5	51046.21	-1.55
300.0	215.3	51047.02	-0.17
300.0	219.2	51047.31	-0.98
300.0	223.0	51030.84	-29.07
300.0	226.9	51046.13	-0.25
300.0	230.7	51046.1	-1.87
300.0	234.6	51045.71	-0.83
300.0	238.4	50990.05	-102.32
300.0	242.3	51046.79	0.03
300.0	246.1	50984.44	-110.21
300.0	250.0	51047.13	-0.19
300.0	253.8	51047.06	0.71
300.0	257.6	51047.93	0.32
300.0	261.5	51047.01	0.85
300.0	265.3	51045.8	1.14
300.0	269.2	51046.54	-1.07
300.0	273.0	51046.95	1.12
300.0	276.9	51046.97	1.41
300.0	280.7	51046.33	-0.55

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
300.0	284.6	51046.24	-0.21
300.0	288.4	51046.6	-0.62
300.0	292.3	51047.29	-0.8
300.0	296.1	51047.8	1.1
300.0	300.0	51047.91	1.87
300.0	303.5	51047.86	1.21
300.0	307.1	51048.64	1
300.0	310.7	51050.36	1.89
300.0	314.2	51051.5	1.71
300.0	317.8	51054.16	0.91
300.0	321.4	51057.41	1.48
300.0	325.0	51065.76	1.19
300.0	328.5	51083.36	8.87
300.0	332.1	51114.65	33.89
300.0	335.7	51132.64	61.07
300.0	339.2	51071.82	11.67
300.0	342.8	51007.9	-28.5
300.0	346.4	50979.5	-30.3
300.0	350.0	50964.4	-39.71
300.0	354.1	50993.01	-19.6
300.0	358.3	51022.94	0.33
300.0	362.5	51034.41	-0.8
300.0	366.6	51043	2.69
300.0	370.8	51044.83	1.46
300.0	375.0	51045.91	1
300.0	379.1	51045.71	1.12
300.0	383.3	51045.63	0.64
300.0	387.5	51043.96	-0.33
300.0	391.6	51043.5	1.35
300.0	395.8	51043.3	-0.67
300.0	400.0	51043.77	0.8
300.0	403.8	51044.05	0.21
300.0	407.6	51043.96	-0.33
300.0	411.5	51042.53	-0.64
300.0	415.3	51043.12	-0.41
300.0	419.2	51043.22	0.26
300.0	423.0	51044.18	-0.57
300.0	426.9	51044.72	1.69
300.0	430.7	51044.67	-0.07

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
300.0	434.6	51044.26	0.5
300.0	438.4	51044.23	0
300.0	442.3	51045.32	-1.01
300.0	446.1	51048.25	-0.44
300.0	450.0	51051.09	0.64
300.0	453.8	51054.54	1.71
300.0	457.6	51059.78	6.12
300.0	461.5	51053.75	5.57
300.0	465.3	51017.01	-16.26
300.0	469.2	51001.1	-23.66
300.0	473.0	51024.74	-2.19
300.0	476.9	51037.18	-0.1
300.0	480.7	51039.54	0.6
300.0	484.6	51042.52	-0.01
300.0	488.4	51041.27	0.16
300.0	492.3	51041.08	-0.73
300.0	496.1	51038.54	-0.78
300.0	500.0	51020.47	-27.44
300.0	503.8	51033.5	-1.51
300.0	507.6	51033.65	0.76
300.0	511.5	51034.93	1.69
300.0	515.3	51034.91	0.57
300.0	519.2	51031.5	-3.85
300.0	523.0	51031.76	-3.25
300.0	526.9	51037.12	-0.37
300.0	530.7	51040.06	-0.48
300.0	534.6	51043.33	1.33
300.0	538.4	51046.79	3.6
300.0	542.3	51047.73	0.73
300.0	546.1	51048.7	-0.17
300.0	550.0	51048.23	-0.32
300.0	553.8	51048.34	-0.62
300.0	557.6	51048.76	-0.08
300.0	561.5	50964.65	-155.89
300.0	565.3	51054.37	-4.14
300.0	569.2	51068.91	3.26
300.0	573.0	51091.96	14.96
300.0	576.9	51114.95	32.89
300.0	580.7	51035.47	-102.53

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
300.0	584.6	51078.46	-5.92
300.0	588.4	51085.88	-1.21
300.0	592.3	51097.91	4.3
300.0	596.1	51100.23	4.44
300.0	600.0	51097.37	1.51
300.0	603.5	51015.36	-130.6
300.0	607.1	51077.9	-5.92
300.0	610.7	51076.79	-8.03
300.0	614.2	51092.38	0.35
300.0	617.8	51108.98	10.75
300.0	621.4	51106.77	15.28
300.0	625.0	51087.03	6.8
300.0	628.5	51058.62	-9.6
300.0	632.1	51051.57	-9.25
300.0	635.7	51062.45	-4.53
300.0	639.2	51079.68	0.39
300.0	642.8	51098.48	4.78
300.0	646.4	51116.93	4.57
300.0	650.0	51139.43	6.6
300.0	653.5	51153.1	4.23
300.0	657.1	51136.28	-61.23
300.0	660.7	51209.24	11.67
300.0	664.2	51266.15	32.03
300.0	667.8	51314.12	55.35
300.0	671.4	51321.79	52.91
300.0	675.0	51316.25	45.35
300.0	678.5	51302.27	39.76
300.0	682.1	51285.86	26.85
300.0	685.7	51274.16	16.96
300.0	689.2	51279.53	31.19
300.0	692.8	51271.29	42.21
300.0	696.4	51229.05	31.5
300.0	700.0	51164.71	14.23
300.0	702.9	51041.58	-102.1
300.0	705.8	51031.46	-22.98
300.0	708.8	51000.43	-23.73
300.0	711.7	50994.92	-16.64
300.0	714.7	50998.7	-8.76
300.0	717.6	51006.03	-5.67

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
300.0	720.5	51013.47	0.82
300.0	723.5	51021.3	3.46
300.0	726.4	51024.01	2.73
300.0	729.4	51024.62	2.53
300.0	732.3	51026.11	-0.85
300.0	735.2	51028.36	1.08
300.0	738.2	51030.99	1.01
300.0	741.1	51032.09	0.6
300.0	744.1	51032.18	-0.55
300.0	747.0	51033.46	0.64
300.0	750.0	51033.87	1.23
300.0	753.3	51033.86	-0.78
300.0	756.6	51033.11	-1.16
300.0	760.0	51034.63	-0.1
300.0	763.3	51036.49	2.73
300.0	766.6	51034.97	1.6
300.0	770.0	51035.62	1.87
300.0	773.3	50968.56	-116.25
300.0	776.6	51033.02	0.19
300.0	780.0	51033.06	-0.28
300.0	783.3	51033.93	0.96
300.0	786.6	51033.48	1.03
300.0	790.0	51032.9	-0.98
300.0	793.3	51032.94	-0.25
300.0	796.6	51032.61	0.58
300.0	800.0	51009.3	-39.35
300.0	803.3	51033.64	1.01
300.0	806.6	51023.97	-13.42
300.0	810.0	51033.19	-0.8
300.0	813.3	51011.41	-39.71
300.0	816.6	51031.72	-0.39
300.0	820.0	51032.5	0.55
300.0	823.3	51033.52	1.19
300.0	826.6	51033.79	0.6
300.0	830.0	51033.71	0.37
300.0	833.3	51033.86	-0.32
300.0	836.6	51012.07	-40.26
300.0	840.0	50986.92	-87.3
300.0	843.3	51035.39	0.23

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
300.0	846.6	51036.67	0.75
300.0	850.0	51036.93	0.58
300.0	853.5	51038.34	1.69
300.0	857.1	51037.25	-0.32
300.0	860.7	51037.37	-0.55
300.0	864.2	51032.92	-7.46
300.0	867.8	50971.02	-118.66
300.0	871.4	51038.47	1.12
300.0	875.0	51038.53	1.98
300.0	878.5	51038.8	-0.35
300.0	882.1	51039.34	-0.5
300.0	885.7	50984.66	-97.64
300.0	889.2	51037.79	0.19
300.0	892.8	51038.05	-0.26
300.0	896.4	51039.8	0.85
300.0	900.0	51039.39	0.39
300.0	903.8	51039.14	1.48
300.0	907.6	51038.64	1
300.0	911.5	51038.85	0.73
300.0	915.3	51039.47	0.12
300.0	919.2	50975.72	-113.76
300.0	923.0	51038.74	0.6
300.0	926.9	51038.45	-0.03
300.0	930.7	51038.1	0.03
300.0	934.6	51039.48	0.98
300.0	938.4	51040.14	0.73
300.0	942.3	51039.93	0.67
300.0	946.1	51039.19	1.12
300.0	950.0	51039.67	1.53
300.0	953.5	50987.99	-89.25
300.0	957.1	51039.7	0.71
300.0	960.7	51038.37	2.48
300.0	964.2	51039.23	-0.14
300.0	967.8	51040.15	1.19
300.0	971.4	51040.79	2.07
300.0	975.0	51009.52	-52.98
300.0	978.5	51038.94	1.57
300.0	982.1	51038.54	-0.17
300.0	985.7	51039.72	-0.21*

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
300.0	989.2	51040.87	0.71
300.0	992.8	50992.49	-85.41
300.0	996.4	51038.17	0.82
300.0	1000.0	51038.71	-0.8
300.0	1003.5	51021.22	-31.44
300.0	1007.1	51039.52	0.28
300.0	1010.7	51038.5	-1.51
300.0	1014.2	51039.43	-0.23
300.0	1017.8	51039.73	0.28
300.0	1021.4	51040.27	1.3
300.0	1025.0	51014.57	-45.12
300.0	1028.5	51039.65	0.78
300.0	1032.1	51039.63	0.55
300.0	1035.7	51039.9	2.69
300.0	1039.2	51041.24	2.53
300.0	1042.8	51040.15	2.19
300.0	1046.4	51039.47	1.51
300.0	1050.0	51039.29	0.75
300.0	1053.8	51039.65	0.73
300.0	1057.6	51040.3	1.16
300.0	1061.5	51015.9	-41.8
300.0	1065.3	51039.76	3.62
300.0	1069.2	51039.73	2.78
300.0	1073.0	51038.95	1.87
300.0	1076.9	51039.52	1.44
300.0	1080.7	50987.03	-93.67
300.0	1084.6	51032.84	-10.91
300.0	1088.4	51038.81	-2.03
300.0	1092.3	51038.67	0.33
300.0	1096.1	51039.34	0.23
300.0	1100.0	51040.57	1.25
300.0	1103.8	51030.21	-14.44
300.0	1107.6	51039.74	-0.32
300.0	1111.5	51039.35	0.55
300.0	1115.3	51039.73	1.71
300.0	1119.2	51040.16	1.71
300.0	1123.0	51040.22	1.6
300.0	1126.9	51038.87	1.94
300.0	1130.7	51038.54	-0.64

512 200

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
300.0	1134.6	51038.17	0.28
300.0	1138.4	51039.11	-0.69
300.0	1142.3	51040	0.75
300.0	1146.1	51019.81	-35.17
300.0	1150.0	51040.01	0.16
300.0	1153.5	51039.4	-0.25
300.0	1157.1	51040.01	2.14
300.0	1160.7	51039.54	0.08
300.0	1164.2	51038.72	0.33
300.0	1167.8	51038.84	-0.39
300.0	1171.4	51039.5	0.89
300.0	1175.0	51039.2	0.28
300.0	1178.5	50975.49	-114.44
300.0	1182.1	51038.86	-0.17
300.0	1185.7	51038.8	0.85
300.0	1189.2	51038.16	-0.8
300.0	1192.8	51039.34	0.16
300.0	1196.4	51039.54	-0.08
280.0	1200.0	51038.03	0.14
280.0	1196.7	51037.86	-0.25
280.0	1193.4	51037.52	0.73
280.0	1190.0	51038.15	1.35
280.0	1186.7	51009.14	-52.64
280.0	1183.4	51038.17	0.32
280.0	1180.0	51037.82	-0.35
280.0	1176.7	51037.46	-0.08
280.0	1173.4	51037.86	-1.32
280.0	1170.0	51038.78	0.01
280.0	1166.7	51039.09	0.07
280.0	1163.4	51012.39	-46.41
280.0	1160.0	51038.09	-0.6
280.0	1156.7	51038.33	0.23
280.0	1153.4	51039.46	0.16
280.0	1150.0	51038.19	-0.51
280.0	1146.5	51037.83	-0.26
280.0	1142.9	51038.3	-0.78
280.0	1139.3	51038.87	-0.94
280.0	1135.8	51037.94	-1.03
280.0	1132.2	51038.24	-1.01

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
280.0	1128.6	51038.18	-0.37
280.0	1125.0	51037.28	-0.78
280.0	1121.5	51038.65	-0.8
280.0	1117.9	50978.33	-109.37
280.0	1114.3	51038.23	-0.48
280.0	1110.8	51037.22	0
280.0	1107.2	51038	-0.62
280.0	1103.6	51039.1	-0.67
280.0	1100.0	51039.18	0.71
280.0	1096.2	51037.58	-3.75
280.0	1092.4	51037.03	-1.46
280.0	1088.5	51037.83	-0.48
280.0	1084.7	51039.03	0.03
280.0	1080.8	51039.21	-1.55
280.0	1077.0	51037.41	-1.1
280.0	1073.1	51038.23	-0.25
280.0	1069.3	51037.9	-1.94
280.0	1065.4	51015.18	-43.66
280.0	1061.6	51038.37	-2.19
280.0	1057.7	51037.55	-2.03
280.0	1053.9	51037.11	-1.33
280.0	1050.0	51038.09	-0.35
280.0	1046.2	51039.31	-0.44
280.0	1042.4	51039.41	-1.01
280.0	1038.5	51004.42	-63.16
280.0	1034.7	51038.3	-0.67
280.0	1030.8	51039.14	1.01
280.0	1027.0	51037.75	-0.25
280.0	1023.1	51010.27	-52.75
280.0	1019.3	51011.07	-51.03
280.0	1015.4	51027.46	-18.1
280.0	1011.6	51038.59	0.8
280.0	1007.7	51038.87	-0.67
280.0	1003.9	51038.84	-0.25
280.0	1000.0	50973.27	-118.96
280.0	996.5	51037.46	-1.37
280.0	992.9	51030.83	-6.96
280.0	989.3	51029.23	-8.21
280.0	985.8	51034.23	-2.69

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
280.0	982.2	51011.93	-45.91
280.0	978.6	51037.63	-0.33
280.0	975.0	51036.61	-1.75
280.0	971.5	50988.42	-88.26
280.0	967.9	51037.67	-1.03
280.0	964.3	51037.79	-1.62
280.0	960.8	50978.98	-106.3
280.0	957.2	51032.61	-10.12
280.0	953.6	51037.23	-1.35
280.0	950.0	51037.57	-1.26
280.0	946.2	51037.99	-1.62
280.0	942.4	51037.91	-2
280.0	938.5	51028.56	-15.8
280.0	934.7	51037.26	-0.75
280.0	930.8	51037	-1.21
280.0	927.0	51037.63	0.19
280.0	923.1	50975.23	-111.87
280.0	919.3	51038.47	-1.19
280.0	915.4	51038.16	-0.71
280.0	911.6	51037.82	0.39
280.0	907.7	51036.61	-0.12
280.0	903.9	51037.64	-0.78
280.0	900.0	51039.41	0.91
280.0	896.2	51038.33	-0.16
280.0	892.4	51037.9	-0.71
280.0	888.5	51037.81	-0.76
280.0	884.7	51037.08	-1.08
280.0	880.8	51037.24	-0.75
280.0	877.0	51038.48	-0.51
280.0	873.1	51010.97	-46.76
280.0	869.3	51036.18	-1.3
280.0	865.4	51036.2	1.44
280.0	861.6	51036.51	2.76
280.0	857.7	51034.87	0.76
280.0	853.9	51036.48	1.28
280.0	850.0	50990.99	-77.66
280.0	845.9	51032.64	-1.12
280.0	841.7	51032.18	0.58
280.0	837.5	51031.55	2.12

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
280.0	833.4	51030.52	-0.46
280.0	829.2	51028.91	-1.21
280.0	825.0	50967.79	-107.32
280.0	820.9	51026.63	1
280.0	816.7	51024.69	-1.16
280.0	812.5	51023.57	-0.32
280.0	808.4	51022.19	-2.5
280.0	804.2	51015.57	-14.58
280.0	800.0	51023.58	-0.78
280.0	796.2	51023.09	-1.37
280.0	792.4	51022.49	-1.25
280.0	788.5	51023.05	-0.91
280.0	784.7	51024	-2.33
280.0	780.8	51025.91	-1.78
280.0	777.0	51028.65	-2.46
280.0	773.1	51031.45	-1.53
280.0	769.3	51003.09	-51.03
280.0	765.4	51032.17	-0.66
280.0	761.6	51031.4	0.16
280.0	757.7	51031.77	-0.23
280.0	753.9	51032.65	0.35
280.0	750.0	51033.04	1.07
280.0	746.2	51032.35	0.73
280.0	742.4	51033.27	1.05
280.0	738.5	51034.05	3.91
280.0	734.7	51036.89	6.48
280.0	730.8	51037.36	7.67
280.0	727.0	51039.23	12.25
280.0	723.1	51037.93	16.53
280.0	719.3	51029.43	27.08
280.0	715.4	51004.29	41.53
280.0	711.6	50907.74	-1.44
280.0	707.7	50741.12	-9.66
280.0	703.9	50351.49	-232.69
280.0	700.0	49787.46	-719.08
280.0	696.2	49514.61	-1010.46
280.0	692.4	50051.2	-545.76
280.0	688.5	50553.11	-182.58
280.0	684.7	50695.66	-161.87

512 202

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
280.0	680.8	50750.85	-128.21
280.0	677.0	50762.48	-163
280.0	673.1	50827.97	-228.66
280.0	669.3	51120.06	-26.55
280.0	665.4	51314.98	98.98
280.0	661.6	51335.29	83.1
280.0	657.7	51374.24	129.73
280.0	653.9	51358.16	160.92
280.0	650.0	51177.26	51.67
280.0	645.9	50976.44	-72.89
280.0	641.7	50842.92	-148.21
280.0	637.5	50797.52	-181.05
280.0	633.4	50875.28	-139.69
280.0	629.2	50943.67	-89.23
280.0	625.0	50934.23	-26.96
280.0	620.9	50673.22	-239.35
280.0	616.7	50431.78	-477
280.0	612.5	50565.93	-320.78
280.0	608.4	50770.64	-157.21
280.0	604.2	50840.8	-137.92
280.0	600.0	50932.49	-98.62
280.0	596.5	51056.63	-44.73
280.0	592.9	51223	54.1
280.0	589.3	51369.47	141.58
280.0	585.8	51388.98	156.75
280.0	582.2	51282.55	83.41
280.0	578.6	51105.94	-22.91
280.0	575.0	50952.55	-108.39
280.0	571.5	50909.25	-108.1
280.0	567.9	50929.47	-84.58
280.0	564.3	50986.4	-44.42
280.0	560.8	51049.76	-4.98
280.0	557.2	51083.79	18.69
280.0	553.6	51059.68	-20
280.0	550.0	51067	8.46
280.0	546.2	51050.14	-4.75
280.0	542.4	51044.71	0.78
280.0	538.5	51037.55	-1.67
280.0	534.7	51029.94	-7.14

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
280.0	530.8	51023.75	-12.53
280.0	527.0	51042.99	1.55
280.0	523.1	51076.3	38.76
280.0	519.3	51046.57	19.28
280.0	515.4	51011.67	4.78
280.0	511.6	50980.05	-10.12
280.0	507.7	50961.71	-26.23
280.0	503.9	50983.5	-20.67
280.0	500.0	51040.57	9.78
280.0	496.2	51056.68	5.12
280.0	492.4	51052.9	-4.82
280.0	488.5	51048.84	-7.96
280.0	484.7	51047.81	-8.85
280.0	480.8	51054.7	-1.73
280.0	477.0	51052.17	-2.51
280.0	473.1	51052.27	-0.37
280.0	469.3	51058.61	7.28
280.0	465.4	51054.85	2.85
280.0	461.6	51022.63	-50.39
280.0	457.7	51047.19	-2.57
280.0	453.9	51045.95	-0.82
280.0	450.0	51043.49	-4.53
280.0	446.2	51047.3	0.46
280.0	442.4	51047.31	1.33
280.0	438.5	51047.7	2.75
280.0	434.7	51035.83	-7.85
280.0	430.8	51033.76	-7.39
280.0	427.0	51014.97	-43.48
280.0	423.1	51039.61	-1.33
280.0	419.3	51021.43	-32.64
280.0	415.4	51037.76	-0.28
280.0	411.6	51037.3	0.17
280.0	407.7	51039.14	-0.46
280.0	403.9	51038.38	-0.19
280.0	400.0	51039.27	0.28
280.0	396.2	51037.86	-1.85
280.0	392.4	51040.41	-0.35
280.0	388.5	51042.36	-1.12
280.0	384.7	51044.72	1.37

512 203

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
280.0	380.8	51044.31	-0.01
280.0	377.0	51020.5	-43.67
280.0	373.1	51043.41	-0.78
280.0	369.3	51042.63	-0.92
280.0	365.4	51040.99	-2.1
280.0	361.6	51042.68	-0.14
280.0	357.7	51008.05	-58.32
280.0	353.9	51036.52	-1.76
280.0	350.0	50983.24	-92.05
280.0	346.2	51031.11	-2.73
280.0	342.4	51033.37	-5.3
280.0	338.5	50977.45	-112.03
280.0	334.7	51044.36	-2.23
280.0	330.8	51048.05	-1
280.0	327.0	51049.8	-1.05
280.0	323.1	51050.79	-1.19
280.0	319.3	51025.71	-43.05
280.0	315.4	51049.14	-2.46
280.0	311.6	51047.82	-0.32
280.0	307.7	51047.33	-1.19
280.0	303.9	51046.18	0
280.0	300.0	51046.44	-0.01
280.0	296.2	51046.81	1.44
280.0	292.4	51046.61	0.82
280.0	288.5	51046.44	-0.16
280.0	284.7	51045.8	-0.16
280.0	280.8	51045.38	-0.41
280.0	277.0	51046.31	-0.83
280.0	273.1	51045.23	-0.23
280.0	269.3	51044.54	-1.12
280.0	265.4	51044.35	-3.07
280.0	261.6	51047.58	-0.85
280.0	257.7	51054.78	5.28
280.0	253.9	51005.06	-80.73
280.0	250.0	51047.2	0.69
280.0	246.2	51045.81	-0.21
280.0	242.4	51046.44	-0.94
280.0	238.5	51013.32	-60.12
280.0	234.7	51046.88	-1.08

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
280.0	230.8	51045.91	0.19
280.0	227.0	51045.76	-0.83
280.0	223.1	51045.79	-1.03
280.0	219.3	51045.98	-0.46
280.0	215.4	51046.61	-0.94
280.0	211.6	51047.01	1.28
280.0	207.7	51046.61	0.96
280.0	203.9	51044.31	-0.01
280.0	200.0	51045.29	-1.41
280.0	196.2	51043.75	-4.3
280.0	192.4	51046.33	-1
280.0	188.5	51045.87	-0.78
280.0	184.7	51045.49	-1.14
280.0	180.8	51044.94	0.19
280.0	177.0	51044.38	-1.37
280.0	173.1	51041.3	-7.85
280.0	169.3	51046.09	-1.41
280.0	165.4	51045.7	-1.23
280.0	161.6	51045.76	-1.94
280.0	157.7	51044.74	-1.1
280.0	153.9	51045.64	-0.91
280.0	150.0	51045.71	0
280.0	146.2	51047.13	0.23
280.0	142.4	51045.38	-0.1
280.0	138.5	51044.75	1.69
280.0	134.7	51045.16	0.25
280.0	130.8	51046.15	0.78
280.0	127.0	51046.2	0.23
280.0	123.1	51012.05	-60.87
280.0	119.3	51044.65	-1.03
280.0	115.4	51044.95	0.03
280.0	111.6	51044.01	0.39
280.0	107.7	51044.51	0.91
280.0	103.9	50995.57	-84.6
280.0	100.0	51042.07	-2.39
280.0	96.2	51043	-2.82
280.0	92.4	51045.78	-5.94
280.0	88.5	51055.07	-5.57
280.0	84.7	51073.54	-0.23

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
280.0	80.8	51041.18	-68.17
280.0	77.0	51079.24	4.8
280.0	73.1	51073.09	3.44
280.0	69.3	51065.66	4.66
280.0	65.4	51059.26	-0.3
280.0	61.6	51056.32	1.6
280.0	57.7	51053.49	-0.26
280.0	53.9	51050.94	0.48
280.0	50.0	51050.61	0.17
280.0	46.5	51050.28	-0.48
280.0	42.9	51049.67	-1.26
280.0	39.3	51048.23	-0.83
280.0	35.8	51046.55	-1.94
280.0	32.2	51047.39	-3.19
280.0	28.6	51048.36	-3.37
280.0	25.0	51049.46	-1.42
280.0	21.5	51050.46	-1.21
280.0	17.9	51029.43	-37.16
280.0	14.3	51049.02	-0.08
280.0	10.8	51048.5	0.92
280.0	7.2	51048.34	1.07
280.0	3.6	51047.88	1.28
260.0	0.0	51046.44	1.08
260.0	3.5	51046.69	1.26
260.0	7.1	51047.61	3.16
260.0	10.7	51048.03	4.37
260.0	14.2	50997.13	-90.08
260.0	17.8	51049.12	2.42
260.0	21.4	51048.77	0.48
260.0	25.0	51048.19	1.94
260.0	28.5	51009.32	-68.51
260.0	32.1	51050.82	1.64
260.0	35.7	51049.63	2.39
260.0	39.2	51048.76	1.16
260.0	42.8	51048.54	0.8
260.0	46.4	51049.17	0.33
260.0	50.0	51007.31	-73.69
260.0	53.8	51048.83	-1.37
260.0	57.6	51047.27	-0.01

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
260.0	61.5	51048.41	-0.92
260.0	65.3	51049.82	-0.08
260.0	69.2	51050.51	0.14
260.0	73.0	51048.99	0.14
260.0	76.9	51048.37	-0.46
260.0	80.7	51048.03	0.42
260.0	84.6	51032.76	-27.76
260.0	88.4	51049.38	0.89
260.0	92.3	51048.04	0.14
260.0	96.1	51046.66	-1.07
260.0	100.0	51045.29	-1.33
260.0	103.5	51027.53	-31.48
260.0	107.1	50980.52	-117.53
260.0	110.7	51054.27	7.66
260.0	114.2	51072.37	27.33
260.0	117.8	51060.21	10.64
260.0	121.4	50983.14	-120.85
260.0	125.0	51032.4	-25.92
260.0	128.5	51044.64	-0.87
260.0	132.1	51045.78	1.33
260.0	135.7	51047.23	1.35
260.0	139.2	51043.58	-0.89
260.0	142.8	51045.59	1.94
260.0	146.4	51045.7	0.67
260.0	150.0	50985.28	-109.1
260.0	153.8	51044.52	-0.28
260.0	157.6	51045.06	0.76
260.0	161.5	51046.63	1.53
260.0	165.3	51046.75	1.21
260.0	169.2	51046.97	0.89
260.0	173.0	51045.86	0.16
260.0	176.9	51044.51	0.46
260.0	180.7	51046.28	1.35
260.0	184.6	51046.88	0.94
260.0	188.4	51046.51	0.58
260.0	192.3	51045.44	0.26
260.0	196.1	51046.56	0.26
260.0	200.0	51046.53	0.32
260.0	203.8	50988.45	-104.48

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
260.0	207.6	51046.15	0.39
260.0	211.5	51045.88	0.6
260.0	215.3	51045.74	0.39
260.0	219.2	51045.98	0.73
260.0	223.0	51046.28	0.83
260.0	226.9	51020.8	-46.51
260.0	230.7	51042.35	-4.03
260.0	234.6	51045.87	1.75
260.0	238.4	51046.07	-1.33
260.0	242.3	51046.91	-0.33
260.0	246.1	51048.46	0.25
260.0	250.0	51028.2	-32.16
260.0	253.8	51046.73	0.37
260.0	257.6	51047.06	0.1
260.0	261.5	51015.51	-53.17
260.0	265.3	51045.83	-0.37
260.0	269.2	51045.46	1.67
260.0	273.0	51044.9	0.51
260.0	276.9	51045.45	0.07
260.0	280.7	51046.64	0.66
260.0	284.6	51004.82	-73.16
260.0	288.4	51047.19	1.05
260.0	292.3	51046.33	0.46
260.0	296.1	51046.98	1
260.0	300.0	51047.08	2.5
260.0	303.8	51047.51	1.07
260.0	307.6	51046.68	1.62
260.0	311.5	51046.77	1.48
260.0	315.3	51046.39	-0.23
260.0	319.2	51046.89	0.48
260.0	323.0	51039.19	-15.21
260.0	326.9	51048.35	1
260.0	330.7	51045.62	-0.35
260.0	334.6	51045.71	-0.35
260.0	338.4	51044.82	0.69
260.0	342.3	51045.48	-0.17
260.0	346.1	51045.58	-0.19
260.0	350.0	51046	-0.48
260.0	353.8	51045.84	-1.21

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
260.0	357.6	51045.29	-0.78
260.0	361.5	51045.02	-0.39
260.0	365.3	51044.96	0.12
260.0	369.2	51046.32	-0.98
260.0	373.0	51047.21	-0.08
260.0	376.9	51048.12	0.33
260.0	380.7	51022.88	-42.98
260.0	384.6	51045.55	0.19
260.0	388.4	51045.48	-1.39
260.0	392.3	51038.97	-12.19
260.0	396.1	51044.17	-1.48
260.0	400.0	51041.28	-2.75
260.0	403.8	51038.22	-1.82
260.0	407.6	51034.54	-1.96
260.0	411.5	51029.28	-1.55
260.0	415.3	51024.73	-1.08
260.0	419.2	51023.32	-0.91
260.0	423.0	51020.89	-1.76
260.0	426.9	51022.22	-0.1
260.0	430.7	51024.88	1.12
260.0	434.6	51028.87	2.73
260.0	438.4	50978.46	-95.14
260.0	442.3	51038.38	3.94
260.0	446.1	51040.73	1.21
260.0	450.0	51043.75	1.35
260.0	453.8	51048.1	1.71
260.0	457.6	51008.99	-74.14
260.0	461.5	51055.06	-0.76
260.0	465.3	51058.72	-1.16
260.0	469.2	51064.04	-0.07
260.0	473.0	51071.42	-3.16
260.0	476.9	51080.4	-2.01
260.0	480.7	51091.01	-2.26
260.0	484.6	51099.5	-2.12
260.0	488.4	51054.18	-92.23
260.0	492.3	51111.36	-3
260.0	496.1	51149.72	13.8
260.0	500.0	51243.6	76.39
260.0	503.8	51290.66	22.46

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
260.0	507.6	51392.99	237.87
260.0	511.5	51125.57	48.5
260.0	515.3	51013.44	45.01
260.0	519.2	50864.01	-89.21
260.0	523.0	50830.41	-132.28
260.0	526.9	50884.8	-123.75
260.0	530.7	50942.8	-100.08
260.0	534.6	51025.22	8.25
260.0	538.4	51033.52	4.71
260.0	542.3	51038.12	2.55
260.0	546.1	51039.2	1.03
260.0	550.0	51039.82	-0.64
260.0	553.5	51018.33	-45.46
260.0	557.1	51052.51	-3.28
260.0	560.7	51078.03	5.8
260.0	564.2	51102.88	19.08
260.0	567.8	51110.81	18.3
260.0	571.4	51057.19	-76.94
260.0	575.0	51109.47	5.96
260.0	578.5	51138.89	16.58
260.0	582.1	51176.06	31.32
260.0	585.7	51203.49	46.82
260.0	589.2	51151.77	-53.01
260.0	592.8	51172.67	31.07
260.0	596.4	51115.21	7.42
260.0	600.0	51072.08	-8.78
260.0	603.8	51042.76	-15.85
260.0	607.6	51021.66	-21.94
260.0	611.5	51011.74	-24.78
260.0	615.3	51019.32	-23.12
260.0	619.2	51049.75	-14.78
260.0	623.0	51106.52	3.37
260.0	626.9	51134.26	-56.21
260.0	630.7	51278.75	73.76
260.0	634.6	51346.6	111.39
260.0	638.4	51325.75	119.19
260.0	642.3	51146.8	12.32
260.0	646.1	50978.98	-69.07
260.0	650.0	50929.08	-66.33

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
260.0	653.8	50933.43	-43.46
260.0	657.6	50941.25	-40.33
260.0	661.5	50957.59	-31.62
260.0	665.3	50971.35	-20.35
260.0	669.2	50971.04	-13.57
260.0	673.0	50944.99	-13.71
260.0	676.9	50891.83	-19.16
260.0	680.7	50831.59	-36.12
260.0	684.6	50794.61	-40.71
260.0	688.4	50742.01	-101.78
260.0	692.3	50768.19	-30.92
260.0	696.1	50764.9	-36.98
260.0	700.0	50789.96	-30.19
260.0	703.8	50843.68	-15.51
260.0	707.6	50918.7	15.53
260.0	711.5	50997.35	38.53
260.0	715.3	51044.49	43.44
260.0	719.2	51046.21	23.35
260.0	723.0	51025.11	-18.83
260.0	726.9	51044.73	10.17
260.0	730.7	51041.5	8.26
260.0	734.6	51026.6	-1.51
260.0	738.4	51017.94	1.44
260.0	742.3	51011.48	2.71
260.0	746.1	51009.51	5.69
260.0	750.0	51008.78	5.8
260.0	753.8	51008.03	1.39
260.0	757.6	51008.14	-0.14
260.0	761.5	51006.79	-5.07
260.0	765.3	51008.47	-9.82
260.0	769.2	51022.3	-6.71
260.0	773.0	50977.29	-117.26
260.0	776.9	51056.03	5.83
260.0	780.7	51049.76	4.69
260.0	784.6	51027.59	-3.71
260.0	788.4	51008.53	-8.51
260.0	792.3	51000.93	-8.53
260.0	796.1	51011.08	-4.71
260.0	800.0	51026.84	-10.55

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
260.0	803.8	51060.11	15.32
260.0	807.6	51047.07	5.17
260.0	811.5	51012.59	-11.39
260.0	815.3	50992.35	-12.37
260.0	819.2	50989.37	-7.5
260.0	823.0	50992.5	-6
260.0	826.9	51004.89	2.33
260.0	830.7	51012.16	1.57
260.0	834.6	51017.1	3.46
260.0	838.4	51022.41	3.94
260.0	842.3	50997.28	-45.76
260.0	846.1	51027.58	2.83
260.0	850.0	51030.04	2.12
260.0	854.1	51033.65	2.51
260.0	858.3	50985.52	-84.94
260.0	862.5	51028.34	-8.69
260.0	866.6	51034.91	0.78
260.0	870.8	51035.41	0.32
260.0	875.0	51036.7	0.16
260.0	879.1	51037.6	1.42
260.0	883.3	51038.63	0.07
260.0	887.5	51038.49	1.62
260.0	891.6	51037.35	1.39
260.0	895.8	51037.89	0.98
260.0	900.0	51036.73	1.08
260.0	903.8	51037.71	1.89
260.0	907.6	51037.36	0.3
260.0	911.5	51036.72	0.73
260.0	915.3	51036.83	-0.1
260.0	919.2	51038.35	1.08
260.0	923.0	51037.63	0.17
260.0	926.9	51036.61	-1.37
260.0	930.7	51038.09	0.41
260.0	934.6	51037.11	-1.05
260.0	938.4	51036.37	-0.62
260.0	942.3	51037.62	-0.64
260.0	946.1	51039.33	0.89
260.0	950.0	50975.51	-114.85
260.0	953.8	51041.7	2.07

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
260.0	957.6	51040.37	1.03
260.0	961.5	51037.6	0.08
260.0	965.3	51037.58	-0.01
260.0	969.2	51037.91	0.03
260.0	973.0	51014.88	-42.39
260.0	976.9	51038.52	0.07
260.0	980.7	51037.06	-0.12
260.0	984.6	51038.13	-0.25
260.0	988.4	51038.32	0.55
260.0	992.3	51039.77	2.89
260.0	996.1	51008.17	-56.08
260.0	1000.0	51039.67	0.75
260.0	1003.8	51039.2	0.66
260.0	1007.6	51039.39	-0.5
260.0	1011.5	51039.46	-0.51
260.0	1015.3	51039.03	-1.16
260.0	1019.2	51039.65	-0.5
260.0	1023.0	51038.42	-0.69
260.0	1026.9	51038.25	0.5
260.0	1030.7	51038.82	1.51
260.0	1034.6	51039.83	1.08
260.0	1038.4	50981.13	-104.35
260.0	1042.3	51022.82	-27.53
260.0	1046.1	51038.62	0.75
260.0	1050.0	51039.59	0.26
260.0	1053.8	51039.65	1.69
260.0	1057.6	51040	-0.07
260.0	1061.5	51039.48	0.48
260.0	1065.3	51038.48	0.42
260.0	1069.2	51038.24	0.08
260.0	1073.0	51038.26	0.42
260.0	1076.9	51033.71	-6.51
260.0	1080.7	51039.68	0.91
260.0	1084.6	50986.25	-95.71
260.0	1088.4	51040.01	1.16
260.0	1092.3	51038.95	-0.82
260.0	1096.1	51037.99	0.01
260.0	1100.0	51040.06	1.83
260.0	1103.8	50988.72	-88.23

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
260.0	1107.6	51039.39	2.32
260.0	1111.5	51038.31	1.96
260.0	1115.3	51039.18	1.55
260.0	1119.2	51039.74	1.21
260.0	1123.0	51038.86	0.41
260.0	1126.9	51040.15	1.05
260.0	1130.7	51039.7	0.41
260.0	1134.6	51037.71	-1.32
260.0	1138.4	51038.42	-0.08
260.0	1142.3	51039.48	1.01
260.0	1146.1	51040.14	1.03
260.0	1150.0	51039.78	1.67
260.0	1153.8	51038.43	0.03
260.0	1157.6	51038.22	1.25
260.0	1161.5	51039	0.3
260.0	1165.3	51039.76	-1.07
260.0	1169.2	51040.55	0.42
260.0	1173.0	50990.79	-86.57
260.0	1176.9	51039.37	1.46
260.0	1180.7	51039.04	-0.8
260.0	1184.6	51038.14	0
260.0	1188.4	51039.29	1.26
260.0	1192.3	51039.71	-0.26
260.0	1196.1	51041.18	1.89
240.0	1200.0	51039.02	0.14
240.0	1196.7	51038.78	0.01
240.0	1193.4	51038.39	-0.44
240.0	1190.0	51038.8	-0.23
240.0	1186.7	51025.56	-23.48
240.0	1183.4	51038.15	0.01
240.0	1180.0	51036.74	-3.96
240.0	1176.7	51038.39	-0.17
240.0	1173.4	51039.33	0.35
240.0	1170.0	51037.89	-1.33
240.0	1166.7	51037.86	-0.64
240.0	1163.4	51036.52	-3.66
240.0	1160.0	51038.7	-1.44
240.0	1156.7	51038.04	0.76
240.0	1153.4	51038.59	-0.55

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
240.0	1150.0	50971.7	-119.55
240.0	1146.2	51038.97	-0.33
240.0	1142.4	51039.89	-0.35
240.0	1138.5	51039.51	-0.73
240.0	1134.7	50987.05	-94.32
240.0	1130.8	51038.79	-1.21
240.0	1127.0	51038.25	0.42
240.0	1123.1	51012.24	-47.03
240.0	1119.3	51038.89	0.01
240.0	1115.4	51038.72	0.26
240.0	1111.6	51037.64	-0.07
240.0	1107.7	51037.28	0.17
240.0	1103.9	51036.96	-2
240.0	1100.0	50988.08	-91.32
240.0	1096.2	51037.02	-2.12
240.0	1092.4	51037.14	-1.32
240.0	1088.5	51036.64	-0.32
240.0	1084.7	51036.94	-0.87
240.0	1080.8	51037.86	-0.87
240.0	1077.0	51038.1	-0.75
240.0	1073.1	50985.91	-93.92
240.0	1069.3	51036.36	-0.75
240.0	1065.4	51036.26	-0.75
240.0	1061.6	51037.42	-0.44
240.0	1057.7	51036.67	-0.3
240.0	1053.9	51037.89	-0.75
240.0	1050.0	51036.59	-1.12
240.0	1046.2	51036.93	-0.01
240.0	1042.4	51037.57	-0.26
240.0	1038.5	51039.24	-1.67
240.0	1034.7	50978.43	-106.83
240.0	1030.8	51024	-26.82
240.0	1027.0	51037.57	-0.42
240.0	1023.1	51037.52	-0.75
240.0	1019.3	51037.24	-1.62
240.0	1015.4	51039.05	-1.66
240.0	1011.6	51037.54	-2.32
240.0	1007.7	51038.18	-1
240.0	1003.9	51036.83	-1.46

512 209

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
240.0	1000.0	51037.13	-1.23
240.0	996.2	51037.7	-1
240.0	992.4	51036.59	-1.44
240.0	988.5	51036.11	-0.96
240.0	984.7	51035.05	-2.58
240.0	980.8	51036.66	-2.14
240.0	977.0	51036.24	-1.78
240.0	973.1	51035.43	-2.85
240.0	969.3	51035.29	-0.62
240.0	965.4	51035.86	1.1
240.0	961.6	51033.98	-1.5
240.0	957.7	51032.51	-1.71
240.0	953.9	51033.58	-2.64
240.0	950.0	50990.7	-88.67
240.0	945.9	51047.46	8.62
240.0	941.7	51044.56	3.62
240.0	937.5	51038.69	-1.12
240.0	933.4	51033.36	-6.87
240.0	929.2	51005.99	-59.91
240.0	925.0	51000.53	-72.66
240.0	920.9	51041.33	2.07
240.0	916.7	51039.04	1.19
240.0	912.5	51037.33	0
240.0	908.4	51036.07	-0.33
240.0	904.2	51038.07	1.64
240.0	900.0	51018.12	-32.8
240.0	896.2	51036.48	2
240.0	892.4	51036.35	1.32
240.0	888.5	51035.45	0.3
240.0	884.7	51035.13	0.66
240.0	880.8	51035.77	1.23
240.0	877.0	51033.32	-0.23
240.0	873.1	51032.37	-0.28
240.0	869.3	51033.36	-0.57
240.0	865.4	51033.24	0.39
240.0	861.6	50970.2	-114.8
240.0	857.7	51034.96	1.73
240.0	853.9	51034.05	2.76
240.0	850.0	51033.01	2.82

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
240.0	846.2	51032.94	4.91
240.0	842.4	51030.68	5.08
240.0	838.5	51026.34	5.5
240.0	834.7	51017.06	8.14
240.0	830.8	51003.13	8.85
240.0	827.0	50981.39	9.46
240.0	823.1	50944.27	0.87
240.0	819.3	50882.46	-21.21
240.0	815.4	50805.04	-57.91
240.0	811.6	50765.03	-82.98
240.0	807.7	50789.26	-98.32
240.0	803.9	50938.4	-30.91
240.0	800.0	51172.79	91.91
240.0	796.2	51319.7	186.19
240.0	792.4	51088.6	-95.33
240.0	788.5	50994.62	-138.14
240.0	784.7	50992.24	-113.39
240.0	780.8	51086.69	-33.16
240.0	777.0	51170.39	36.57
240.0	773.1	51150.78	14.92
240.0	769.3	51131.3	2.73
240.0	765.4	51150.92	36.91
240.0	761.6	51152	48.67
240.0	757.7	51140.04	65.17
240.0	753.9	51082.25	80.32
240.0	750.0	50910.32	14.39
240.0	745.9	50673.33	-126.96
240.0	741.7	50368.01	-369.14
240.0	737.5	50357.82	-403.67
240.0	733.4	50736.36	-166.1
240.0	729.2	51149.05	94.35
240.0	725.0	51316.58	160
240.0	720.9	51255.64	79.96
240.0	716.7	51172.57	29.3
240.0	712.5	51109.67	-2.39
240.0	708.4	51079.64	-7.69
240.0	704.2	51072.01	1.78
240.0	700.0	51068.68	17.87
240.0	696.2	51042.03	22.26

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
240.0	692.4	50961.94	-15.03
240.0	688.5	50828.96	-103.48
240.0	684.7	50760.13	-178.53
240.0	680.8	50921.91	-77.82
240.0	677.0	51166.72	113.01
240.0	673.1	51224.4	144.16
240.0	669.3	51158.78	70.23
240.0	665.4	51090.76	-5.98
240.0	661.6	51085.35	22.51
240.0	657.7	51083.27	36.19
240.0	653.9	51074.56	52.62
240.0	650.0	50967.27	-64.51
240.0	646.5	50938.41	-47.21
240.0	642.9	50927.98	-49.19
240.0	639.3	50949.88	-31.33
240.0	635.8	50973.26	-21.98
240.0	632.2	50993.8	-13.48
240.0	628.6	51007.67	-9.23
240.0	625.0	51000.71	-38.32
240.0	621.5	51021.38	-6.96
240.0	617.9	51025.89	-6.58
240.0	614.3	51028.06	-8.19
240.0	610.8	50974.68	-109.44
240.0	607.2	51038.06	-5.51
240.0	603.6	51041.33	-3.01
240.0	600.0	51038.17	-0.26
240.0	596.5	51025.36	-6.16
240.0	592.9	51017.39	-10.12
240.0	589.3	51016.28	-14.33
240.0	585.8	51026.54	-9.26
240.0	582.2	51034.51	-11.94
240.0	578.6	51052.05	-1.19
240.0	575.0	51066.84	10
240.0	571.5	51061.15	2.32
240.0	567.9	51058.19	0.05
240.0	564.3	51053.93	-1.16
240.0	560.8	51046.01	-3.76
240.0	557.2	51042.53	-5.6
240.0	553.6	51046.83	-0.92

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
240.0	550.0	51024.2	-41.41
240.0	546.2	51046.2	-0.21
240.0	542.4	51039.87	-4.16
240.0	538.5	51038.18	-3.83
240.0	534.7	51040.33	0.19
240.0	530.8	51038.92	-0.19
240.0	527.0	51037.2	2.64
240.0	523.1	51033.94	5.21
240.0	519.3	51029.17	4.71
240.0	515.4	51020.31	2.57
240.0	511.6	51013.11	0.08
240.0	507.7	51003.72	2.69
240.0	503.9	50997.47	9.94
240.0	500.0	50959.2	2.92
240.0	496.7	50863.74	-52.48
240.0	493.4	50744.48	-159.55
240.0	490.0	50727.65	-213.19
240.0	486.7	50845.26	-147.46
240.0	483.4	51078.24	1.64
240.0	480.0	51246.98	97.92
240.0	476.7	51242.08	76.26
240.0	473.4	51123.53	-63.16
240.0	470.0	51127.94	12.55
240.0	466.7	51099.52	5.92
240.0	463.4	51079.52	1.28
240.0	460.0	51068.06	0.21
240.0	456.7	51028.34	-56.25
240.0	453.4	51054.11	2.69
240.0	450.0	51049.97	3.6
240.0	446.2	51047.51	7.75
240.0	442.4	51039.43	11.67
240.0	438.5	51025.66	16.28
240.0	434.7	51003.42	19.57
240.0	430.8	50961.53	14.19
240.0	427.0	50900.85	-6.6
240.0	423.1	50815.11	-55.53
240.0	419.3	50784.02	-91.71
240.0	415.4	50742.42	-224.92
240.0	411.6	50846.07	-150.51

512 211

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
240.0	407.7	50916.98	-161.94
240.0	403.9	51028.76	-78.33
240.0	400.0	51084	-54.67
240.0	396.5	51116.09	-14.46
240.0	392.9	51104.11	-11.21
240.0	389.3	51083.94	-13.19
240.0	385.8	51074.89	-8.98
240.0	382.2	51071.27	-5.46
240.0	378.6	51063.71	-2.87
240.0	375.0	51057.98	-4.62
240.0	371.5	51055.49	-3.91
240.0	367.9	50998.68	-103.32
240.0	364.3	51052.47	-2.48
240.0	360.8	51042.8	-15.08
240.0	357.2	51048.2	-3.1
240.0	353.6	51047.27	-0.82
240.0	350.0	51024.58	-42.19
240.0	346.2	51048.35	-1.08
240.0	342.4	51046.13	-1.26
240.0	338.5	51045.8	-0.37
240.0	334.7	51045.83	-0.23
240.0	330.8	51045.05	-1
240.0	327.0	51046.26	-0.75
240.0	323.1	51045.71	-1.55
240.0	319.3	51046.1	-0.96
240.0	315.4	51045.13	0.39
240.0	311.6	51044.51	-0.21
240.0	307.7	51044.52	-0.83
240.0	303.9	51021.95	-38.21
240.0	300.0	51040.79	-4.21
240.0	295.9	51047.68	2.96
240.0	291.7	51047.56	1.51
240.0	287.5	51011.99	-60.76
240.0	283.4	51045.6	-0.3
240.0	279.2	51015.56	-53.6
240.0	275.0	51043.48	-2.19
240.0	270.9	51044.57	0.07
240.0	266.7	51045.02	-0.26
240.0	262.5	51044.57	-0.37

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
240.0	258.4	51043.19	-2.25
240.0	254.2	51040.53	-5.87
240.0	250.0	51043.7	-1.25
240.0	246.5	51045.66	-2
240.0	242.9	51016.77	-56.3
240.0	239.3	51047.8	-1.53
240.0	235.8	51046.75	-2.1
240.0	232.2	51045.95	-1.78
240.0	228.6	51044.75	-2.53
240.0	225.0	51044.98	-2.58
240.0	221.5	51046.11	-0.14
240.0	217.9	51046.01	1.5
240.0	214.3	51044.74	0.37
240.0	210.8	51043.66	0.53
240.0	207.2	51044.58	-0.69
240.0	203.6	51044.8	1.51
240.0	200.0	51046.31	-0.41
240.0	195.9	51045.22	0.17
240.0	191.7	51045.06	0.25
240.0	187.5	51045.28	-0.87
240.0	183.4	51045.47	-0.64
240.0	179.2	51045.1	-1.91
240.0	175.0	51045.72	-0.35
240.0	170.9	51004.59	-73.21
240.0	166.7	51038.66	-12.71
240.0	162.5	51044.66	-0.75
240.0	158.4	51043.42	-1.21
240.0	154.2	51045.11	-0.01
240.0	150.0	51046.18	0.39
240.0	145.9	51042.99	-2.55
240.0	141.7	51042.01	-1.8
240.0	137.5	51044.33	-0.14
240.0	133.4	51045.27	-0.12
240.0	129.2	50993.28	-94.16
240.0	125.0	51044.66	-0.82
240.0	120.9	51043.96	-1.44
240.0	116.7	51016.93	-46.78
240.0	112.5	51045.16	-1.48
240.0	108.4	51059.54	13.1

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
240.0	104.2	51059.19	10.44
240.0	100.0	51050.48	1.94
240.0	96.2	51047.32	2.48
240.0	92.4	51045.41	-1.44
240.0	88.5	51046.67	-0.05
240.0	84.7	51045.63	-0.82
240.0	80.8	51043.97	-1.78
240.0	77.0	51045.12	-1.23
240.0	73.1	51044.73	-1.23
240.0	69.3	51046.66	-2.35
240.0	65.4	51046.47	-1
240.0	61.6	51003.96	-77.01
240.0	57.7	51027.6	-35.08
240.0	53.9	51047.06	-0.03
240.0	50.0	51046.37	-0.3
240.0	47.5	51045.82	-1.14
240.0	45.0	51047.51	-1.03
240.0	42.5	51046.78	-1.17
240.0	40.0	51022.21	-43.83
240.0	37.5	51028.7	-33.62
240.0	35.0	51043.97	-2.25
240.0	32.5	51046.86	-1.53
240.0	30.0	51046.77	-2.14
240.0	27.5	51046.8	-3.03
240.0	25.0	51048.03	-1.46
240.0	22.5	51046.4	-2.19
240.0	20.0	51045.82	-0.32
240.0	17.5	51046.76	0.82
240.0	15.0	51047.36	0.91
240.0	12.5	51047.96	0.21
240.0	10.0	51047.47	1.26
240.0	7.5	51047.21	1.57
240.0	5.0	51047.02	1.32
240.0	2.5	51046.88	1.08
220.0	0.0	51047.61	1.42
220.0	3.5	51047.7	1.48
220.0	7.1	51048.78	2.53
220.0	10.7	51046.35	3.5
220.0	14.2	50977.58	-125.39

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
220.0	17.8	51027.61	-35.32
220.0	21.4	51046.88	1.12
220.0	25.0	51047.04	-1.71
220.0	28.5	51047.13	0.26
220.0	32.1	50982.43	-117.35
220.0	35.7	51046.84	0.07
220.0	39.2	51045.95	0.46
220.0	42.8	51045.94	0.25
220.0	46.4	51045.61	-1.12
220.0	50.0	51046.59	1
220.0	54.1	50981.29	-115.92
220.0	58.3	51047.28	2.07
220.0	62.5	51045.68	3.44
220.0	66.6	51045.01	-0.92
220.0	70.8	51045.59	0.19
220.0	75.0	51046.36	-0.39
220.0	79.1	50990.98	-98.76
220.0	83.3	51046.19	2.08
220.0	87.5	51044.96	1.76
220.0	91.6	51045.15	-0.76
220.0	95.8	51045.15	1.14
220.0	100.0	51045.52	1.14
220.0	104.1	51045.07	-0.44
220.0	108.3	51044.67	-0.1
220.0	112.5	51043.55	1.16
220.0	116.6	51044.39	1.03
220.0	120.8	51044.15	-0.32
220.0	125.0	50984.41	-105.85
220.0	129.1	51028.53	-25.08
220.0	133.3	51044.84	0.53
220.0	137.5	51044.86	1.07
220.0	141.6	51045.5	0.75
220.0	145.8	51046.64	1.1
220.0	150.0	51044.16	-1.57
220.0	154.1	51044.21	0.1
220.0	158.3	51044.69	-0.21
220.0	162.5	51045.18	1.66
220.0	166.6	51045.96	1.67
220.0	170.8	51046.06	1.42

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
220.0	175.0	51044.66	2.14
220.0	179.1	51044.97	1.03
220.0	183.3	51045.27	0.91
220.0	187.5	51045.47	0.07
220.0	191.6	50982.54	-111.91
220.0	195.8	51044.65	2.41
220.0	200.0	51044.4	0.98
220.0	203.8	51045.96	-1.42
220.0	207.6	51048.74	1.51
220.0	211.5	51060.02	13.17
220.0	215.3	51014.54	-68.37
220.0	219.2	51043.19	-1.57
220.0	223.0	51039.14	-3
220.0	226.9	51040.89	-0.83
220.0	230.7	51043.01	0.41
220.0	234.6	51045.22	0.64
220.0	238.4	51046.36	1.21
220.0	242.3	51047.58	2.71
220.0	246.1	51047.18	1.23
220.0	250.0	51047.22	0.03
220.0	254.1	51038.21	-6.75
220.0	258.3	51027.5	-20.76
220.0	262.5	50996.03	-93.25
220.0	266.6	51034.43	-21.76
220.0	270.8	51041.37	-4.08
220.0	275.0	51042.42	-1.32
220.0	279.1	51044.35	0.69
220.0	283.3	51045.27	0.55
220.0	287.5	51015.7	-53.35
220.0	291.6	51032.43	-21.83
220.0	295.8	51044.95	0.67
220.0	300.0	51045.4	-0.12
220.0	304.1	51046.04	0.23
220.0	308.3	51046.3	0.08
220.0	312.5	51047.27	-0.3
220.0	316.6	51045.44	0.48
220.0	320.8	51045.21	-0.03
220.0	325.0	51045.25	-1.5
220.0	329.1	51046.29	-0.67

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
220.0	333.3	51046.44	1.07
220.0	337.5	51046.56	0.91
220.0	341.6	51046.25	0.76
220.0	345.8	51042.34	-8.03
220.0	350.0	51046.26	-0.91
220.0	353.8	51048.3	-0.48
220.0	357.6	51049.13	0.37
220.0	361.5	51051.31	-0.87
220.0	365.3	51054.2	-0.67
220.0	369.2	51060.03	-2.69
220.0	373.0	51071.84	4.46
220.0	376.9	51083.13	3.83
220.0	380.7	51119.65	32.89
220.0	384.6	51160.55	87.46
220.0	388.4	50976.18	-152.71
220.0	392.3	51005.48	-87
220.0	396.1	51119.85	-3.46
220.0	400.0	51215.02	52.5
220.0	403.8	51211.23	0.07
220.0	407.6	51185.23	-102.5
220.0	411.5	51273.8	25.62
220.0	415.3	51219.8	23.14
220.0	419.2	51055.9	-49.42
220.0	423.0	50861.98	-148.19
220.0	426.9	50790.99	-127.46
220.0	430.7	50761.66	-114.85
220.0	434.6	50791.35	-79.8
220.0	438.4	50905.93	5.92
220.0	442.3	50944.34	-5.71
220.0	446.1	50983.48	-1.73
220.0	450.0	51015.87	10.75
220.0	454.1	51030.51	8.53
220.0	458.3	51037.28	6.1
220.0	462.5	51038.63	3.26
220.0	466.6	51041.36	0.3
220.0	470.8	51046.36	2.53
220.0	475.0	51049.32	2.17
220.0	479.1	51048.65	-2.48
220.0	483.3	51046.52	-6.6

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
220.0	487.5	51043.36	-13.14
220.0	491.6	51050.09	-9.62
220.0	495.8	51043.23	-5.57
220.0	500.0	51042.08	2.6
220.0	503.8	51067.81	42.94
220.0	507.6	50978.32	-81.01
220.0	511.5	50968.56	-35.69
220.0	515.3	50957.16	-51.08
220.0	519.2	51006.2	-9.37
220.0	523.0	51016.72	-10.67
220.0	526.9	51021.43	-10.48
220.0	530.7	51031.97	-2.57
220.0	534.6	50937.74	-179.19
220.0	538.4	51020.69	-34.75
220.0	542.3	51040.16	-1.82
220.0	546.1	51040.03	-2.3
220.0	550.0	51040.6	-1.71
220.0	553.8	51037.52	-2.64
220.0	557.6	51022.85	-15.87
220.0	561.5	51026.11	-9.83
220.0	565.3	51039.62	6.1
220.0	569.2	51032.92	-2.12
220.0	573.0	51028.07	-5.73
220.0	576.9	51024.14	-10.94
220.0	580.7	51022.96	-19.94
220.0	584.6	51054.07	9.91
220.0	588.4	51029.49	-38.1
220.0	592.3	51036.83	-1.42
220.0	596.1	51020.95	-13.3
220.0	600.0	51029.17	-9.08
220.0	603.5	51045.6	1.37
220.0	607.1	51065.89	10.03
220.0	610.7	51068.64	11.21
220.0	614.2	51048.03	-4.46
220.0	617.8	51023.76	-25.58
220.0	621.4	51049.51	6.16
220.0	625.0	51071.91	35.6
220.0	628.5	51033.51	-5.94
220.0	632.1	51005.98	-20

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
220.0	635.7	51019.61	-7.46
220.0	639.2	51041.2	11.14
220.0	642.8	51044.48	11.23
220.0	646.4	50936.37	-176.03
220.0	650.0	51044.64	6.03
220.0	654.1	51058.15	15.12
220.0	658.3	51055.81	16.28
220.0	662.5	51045.85	9.1
220.0	666.6	51027.13	-10.32
220.0	670.8	51030.34	-10.6
220.0	675.0	51044.9	-4.39
220.0	679.1	51061.15	-1.21
220.0	683.3	51098.78	19.6
220.0	687.5	51121	32.12
220.0	691.6	51091.3	-12.46
220.0	695.8	51087.34	19.3
220.0	700.0	51025.22	-18.32
220.0	704.1	50938.4	-87.85
220.0	708.3	50927.87	-99.23
220.0	712.5	51023.93	-30.83
220.0	716.6	51102.41	8.5
220.0	720.8	51154.78	13.5
220.0	725.0	51157.18	-79.51
220.0	729.1	51281.32	42.46
220.0	733.3	51319.68	104.96
220.0	737.5	51188.54	47.51
220.0	741.6	51040.45	-37.64
220.0	745.8	50970	-54.92
220.0	750.0	50960.88	-40.67
220.0	754.1	50995.15	-23.76
220.0	758.3	51046.52	-26.91
220.0	762.5	51139.63	25.62
220.0	766.6	51221.32	58.5
220.0	770.8	51301.78	110.91
220.0	775.0	51328.29	131.03
220.0	779.1	51263.42	65.8
220.0	783.3	51216.46	25.08
220.0	787.5	51229.31	31.25
220.0	791.6	51245.62	44.98

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
220.0	795.8	51245	62.23
220.0	800.0	51168.76	51.44
220.0	804.1	51032.98	-2.58
220.0	808.3	50864.17	-64.25
220.0	812.5	50697.93	-120.12
220.0	816.6	50573.34	-170.6
220.0	820.8	50588.97	-154.26
220.0	825.0	50712.94	-79.82
220.0	829.1	50828.39	-29.82
220.0	833.3	50905.9	-7.12
220.0	837.5	50965.36	8.37
220.0	841.6	50996.95	10.91
220.0	845.8	51015.58	10.92
220.0	850.0	51024.75	8.91
220.0	854.1	51030.41	8.41
220.0	858.3	51032.96	5.1
220.0	862.5	51032.63	5.42
220.0	866.6	51009.68	-35.55
220.0	870.8	51031.96	2.12
220.0	875.0	51032.17	1.44
220.0	879.1	51030.06	0.87
220.0	883.3	51027.7	-0.46
220.0	887.5	51026.74	0.42
220.0	891.6	50993.22	-58.37
220.0	895.8	51026.47	2.19
220.0	900.0	51028.22	1.01
220.0	903.8	51030.64	-0.08
220.0	907.6	51031.59	1.73
220.0	911.5	51031.1	1.19
220.0	915.3	51033.39	3.92
220.0	919.2	51033.84	4.07
220.0	923.0	51035.05	1.66
220.0	926.9	51038.66	3.5
220.0	930.7	51039.99	3.98
220.0	934.6	51037.57	1.67
220.0	938.4	51034.6	0.25
220.0	942.3	51033.53	0.51
220.0	946.1	51034.37	1.07
220.0	950.0	51032.85	0

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
220.0	954.1	51032.9	-0.14
220.0	958.3	51033.39	0.08
220.0	962.5	50993.08	-73.53
220.0	966.6	51034.75	0.96
220.0	970.8	51034.92	-0.21
220.0	975.0	51035.08	2.32
220.0	979.1	51036.04	1.16
220.0	983.3	50999.55	-64.62
220.0	987.5	50993.4	-77.53
220.0	991.6	51037.33	2.37
220.0	995.8	51037.11	2.39
220.0	1000.0	51036.08	0.46
220.0	1003.8	51036.27	0.35
220.0	1007.6	51036.95	0.01
220.0	1011.5	51037.31	0.92
220.0	1015.3	51037.08	1.05
220.0	1019.2	51037.76	1.39
220.0	1023.0	51036.9	0.3
220.0	1026.9	51038.28	0.48
220.0	1030.7	51038.82	0.73
220.0	1034.6	51040.73	2.23
220.0	1038.4	51040.26	0.58
220.0	1042.3	51021.67	-38.03
220.0	1046.1	51047.48	5.89
220.0	1050.0	51053.43	13.37
220.0	1053.8	51040.31	-0.1
220.0	1057.6	51026.24	-13.14
220.0	1061.5	51036.01	-1.08
220.0	1065.3	50972.46	-115.6
220.0	1069.2	51034.86	-0.8
220.0	1073.0	51016.6	-35.41
220.0	1076.9	51036.16	0.66
220.0	1080.7	51036.69	0.75
220.0	1084.6	51037.14	0.92
220.0	1088.4	51039.37	0.83
220.0	1092.3	51039.2	-0.16
220.0	1096.1	51038.99	0.44
220.0	1100.0	51037.85	-0.46
220.0	1104.1	51037.91	1.69

512 216

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
220.0	1108.3	51038.15	0.51
220.0	1112.5	51038.7	0.51
220.0	1116.6	51039.12	-0.91
220.0	1120.8	51039.51	1.03
220.0	1125.0	51039.3	2.07
220.0	1129.1	51001.74	-62.17
220.0	1133.3	51038.39	0.3
220.0	1137.5	51040.02	0.41
220.0	1141.6	51040.55	1.26
220.0	1145.8	51043.91	2.5
220.0	1150.0	51048.73	7.71
220.0	1153.8	51052.46	14.16
220.0	1157.6	51007.94	-32.6
220.0	1161.5	51011.29	-20.66
220.0	1165.3	51033.37	0.26
220.0	1169.2	51038.46	2
220.0	1173.0	51039.66	1.32
220.0	1176.9	51040.58	0.92
220.0	1180.7	51040.23	0.73
220.0	1184.6	51039.12	-0.82
220.0	1188.4	51040.31	1.23
220.0	1192.3	51040.27	0.23
220.0	1196.1	51040.93	0.73
200.0	1200.0	51042.33	-0.83
200.0	1196.9	51042.32	-0.82
200.0	1193.8	51042.36	-1.1
200.0	1190.7	51042.72	-0.26
200.0	1187.5	51040.21	-1.19
200.0	1184.4	51040.34	-2.1
200.0	1181.3	51039.16	-0.33
200.0	1178.2	51037.58	-1.62
200.0	1175.0	51038.45	-1.5
200.0	1171.9	51039.1	-1.82
200.0	1168.8	51039.55	-1.05
200.0	1165.7	51039.75	-0.46
200.0	1162.5	51038.98	-1.75
200.0	1159.4	51039.15	-0.26
200.0	1156.3	51038.59	0.3
200.0	1153.2	51037.39	-1.14

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
200.0	1150.0	51036.32	0.01
200.0	1146.2	51036.91	-1.14
200.0	1142.4	51037.37	-1.07
200.0	1138.5	51037.86	0.25
200.0	1134.7	51037.94	0.08
200.0	1130.8	51037.37	0.23
200.0	1127.0	51037.2	-0.14
200.0	1123.1	51036	-0.62
200.0	1119.3	51037.78	-0.6
200.0	1115.4	51038.55	0.66
200.0	1111.6	51039.27	0.39
200.0	1107.7	51037.74	-0.67
200.0	1103.9	51037.24	-0.33
200.0	1100.0	51036.79	-0.41
200.0	1095.9	51030.93	-9.76
200.0	1091.7	51035.74	-0.05
200.0	1087.5	51032.98	-1.66
200.0	1083.4	51033.61	-1.75
200.0	1079.2	51033.67	0
200.0	1075.0	51032.26	-0.33
200.0	1070.9	51022.03	-7.57
200.0	1066.7	51020.87	-16.69
200.0	1062.5	51048.34	10.44
200.0	1058.4	51051.87	11.83
200.0	1054.2	51045.53	4.85
200.0	1050.0	51041.4	1.42
200.0	1046.2	51039.81	-0.32
200.0	1042.4	50977.36	-111.94
200.0	1038.5	51013.05	-45.05
200.0	1034.7	51037.35	-0.19
200.0	1030.8	51038.24	0.14
200.0	1027.0	51037.87	-0.17
200.0	1023.1	51037.4	-0.44
200.0	1019.3	51036.45	-0.44
200.0	1015.4	51017.61	-34.14
200.0	1011.6	51036.38	0.14
200.0	1007.7	51038.13	0.41
200.0	1003.9	51039.6	2.48
200.0	1000.0	51041.18	5.25

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
200.0	995.9	51039.05	3.08
200.0	991.7	51036.55	1.53
200.0	987.5	51033.11	-1.12
200.0	983.4	50981.85	-94.39
200.0	979.2	51033.6	-0.17
200.0	975.0	51033.63	-1.08
200.0	970.9	51033.35	-0.12
200.0	966.7	51034.69	-0.82
200.0	962.5	51033.63	-0.82
200.0	958.4	51034.99	-1.14
200.0	954.2	51001.25	-59.55
200.0	950.0	51032.41	-1.67
200.0	946.2	51031.95	-0.01
200.0	942.4	51032.08	-0.17
200.0	938.5	51032.25	1.14
200.0	934.7	51031.12	0
200.0	930.8	51004.54	-49.71
200.0	927.0	51030.09	0.69
200.0	923.1	51029.47	0.07
200.0	919.3	51027.06	-0.62
200.0	915.4	51027.67	-0.83
200.0	911.6	50961.1	-115.8
200.0	907.7	51024.02	0.64
200.0	903.9	51020.64	-0.21
200.0	900.0	51019.76	0.51
200.0	896.2	51016.61	-0.16
200.0	892.4	51013.58	1.01
200.0	888.5	51008.97	-1.98
200.0	884.7	50961.13	-74.82
200.0	880.8	50987.03	-17.94
200.0	877.0	51000	-8.58
200.0	873.1	51011.09	-2.96
200.0	869.3	51016.72	-1.55
200.0	865.4	51015.06	-1.85
200.0	861.6	50978.94	-68.41
200.0	857.7	51022.99	-3.44
200.0	853.9	51032.24	1.67
200.0	850.0	51039.48	5.12
200.0	845.9	51041.86	7.35

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
200.0	841.7	51017.93	-31.1
200.0	837.5	51029.56	6.21
200.0	833.4	51015.49	5.35
200.0	829.2	50997.09	1.91
200.0	825.0	50923.7	-90.42
200.0	820.9	50941.42	-34.26
200.0	816.7	50966.45	-8.26
200.0	812.5	50983.82	10.46
200.0	808.4	50971.64	0.1
200.0	804.2	50957.55	-13.67
200.0	800.0	50959.96	-20.17
200.0	796.2	50977.98	-14.76
200.0	792.4	51004.97	-4.39
200.0	788.5	51032.11	8.46
200.0	784.7	51038.44	9.58
200.0	780.8	51024.57	-4.03
200.0	777.0	51013.72	-14.03
200.0	773.1	51017.39	-20.48
200.0	769.3	51041.71	-14.5
200.0	765.4	51077.13	-1.25
200.0	761.6	51093.19	-10.71
200.0	757.7	51133.92	21.92
200.0	753.9	51170.68	38.44
200.0	750.0	51211.71	59.98
200.0	746.2	51257.57	88.82
200.0	742.4	51286.88	108.25
200.0	738.5	51270.74	94.94
200.0	734.7	51243.44	83.37
200.0	730.8	51193.35	55.44
200.0	727.0	51124.77	16.07
200.0	723.1	51070.3	-14.57
200.0	719.3	51048.11	-18.19
200.0	715.4	51038.37	-26.66
200.0	711.6	51062.53	-5.87
200.0	707.7	51098.2	19.51
200.0	703.9	51120.94	13.12
200.0	700.0	51168.68	34.48
200.0	695.9	51229.38	69.5
200.0	691.7	51263.72	86.89

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
200.0	687.5	51253.87	76.41
200.0	683.4	51226.64	65.6
200.0	679.2	51191	55.46
200.0	675.0	51123.86	17.5
200.0	670.9	51082.36	1.42
200.0	666.7	51072.36	8.85
200.0	662.5	51055.06	2.41
200.0	658.4	51033	-6.26
200.0	654.2	50998.66	-49.75
200.0	650.0	51034.49	5.42
200.0	646.5	51059.93	28.98
200.0	642.9	51064.55	39.19
200.0	639.3	51026.77	12.94
200.0	635.8	50975.75	-27.35
200.0	632.2	50983.92	-23.62
200.0	628.6	51050.14	21.73
200.0	625.0	51085.97	34.85
200.0	621.5	51106.55	21.76
200.0	617.9	51145.03	27.66
200.0	614.3	51157.78	-11.8
200.0	610.8	51210.23	44.1
200.0	607.2	51232.23	83.71
200.0	603.6	51145.19	-3.32
200.0	600.0	51134.28	17.8
200.0	596.2	51024.36	-142.28
200.0	592.4	51087.64	-25.51
200.0	588.5	51161.52	42.19
200.0	584.7	51202.95	74.89
200.0	580.8	51177.91	55.26
200.0	577.0	51132.19	29.46
200.0	573.1	51079.03	5.69
200.0	569.3	51009.02	-31.82
200.0	565.4	50930.46	-102.12
200.0	561.6	50964.26	-87.39
200.0	557.7	51107.75	33.64
200.0	553.9	51146.68	54.3
200.0	550.0	51107.67	11.57
200.0	545.9	51075.48	-13.67
200.0	541.7	51084.29	-8.1

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
200.0	537.5	51131.22	26.14
200.0	533.4	51151.48	43.21
200.0	529.2	51157.5	50.39
200.0	525.0	51106.89	18.12
200.0	520.9	51064.43	-3.85
200.0	516.7	51041.19	-15.96
200.0	512.5	51031.39	-23.07
200.0	508.4	51032.34	-26.67
200.0	504.2	51050.81	-18.85
200.0	500.0	51067.4	-18.41
200.0	496.2	51066.06	-42.32
200.0	492.4	51130.37	20.85
200.0	488.5	51148.48	36.85
200.0	484.7	51118.84	13.05
200.0	480.8	51096.04	7.41
200.0	477.0	51075.05	7.1
200.0	473.1	51019.91	-19.44
200.0	469.3	50967.5	-64.16
200.0	465.4	51027.34	17.33
200.0	461.6	51013.11	2.42
200.0	457.7	50990.65	-19.87
200.0	453.9	50999.46	-16.66
200.0	450.0	51009.7	-14.96
200.0	445.9	51024.73	-5.42
200.0	441.7	51036.94	6.94
200.0	437.5	51033.02	3.71
200.0	433.4	51013.29	-10
200.0	429.2	51009.96	-7.51
200.0	425.0	51018.11	-2.07
200.0	420.9	51037.81	5.3
200.0	416.7	51066.6	19.87
200.0	412.5	51067.44	13.21
200.0	408.4	51048.06	-7.44
200.0	404.2	50982.82	-119.33
200.0	400.0	51045.54	-12.8
200.0	396.2	51054.62	-9.69
200.0	392.4	51058.51	-4.55
200.0	388.5	51051.66	-7.05
200.0	384.7	51051.39	-6.03

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
200.0	380.8	51051.18	-3.8
200.0	377.0	51050.92	-4.23
200.0	373.1	51050.54	-2.25
200.0	369.3	51045.8	-2.57
200.0	365.4	51043.42	-2.96
200.0	361.6	51043.27	-3.87
200.0	357.7	51044.72	-2.35
200.0	353.9	51046.07	-0.78
200.0	350.0	51025.9	-33.16
200.0	346.2	51040.67	0.71
200.0	342.4	51033.44	-5.85
200.0	338.5	51032.8	-9.05
200.0	334.7	51038.6	-6.07
200.0	330.8	50992.13	-96.05
200.0	327.0	51013.41	-56.21
200.0	323.1	51044.79	-1.42
200.0	319.3	51045.53	-0.69
200.0	315.4	51044.81	-0.92
200.0	311.6	51044.64	-0.89
200.0	307.7	51045.42	-1.28
200.0	303.9	51018.52	-46.39
200.0	300.0	51045.23	-0.19
200.0	295.9	51043.79	-0.28
200.0	291.7	51040.66	-7.26
200.0	287.5	51044.69	0.62
200.0	283.4	51045.02	-2.44
200.0	279.2	51015.96	-51.73
200.0	275.0	51043	-1.48
200.0	270.9	51042.49	-1.53
200.0	266.7	51042.65	-2.66
200.0	262.5	51042.65	-4.1
200.0	258.4	50985.1	-105.87
200.0	254.2	51042.75	-2.19
200.0	250.0	51041.56	-1.17
200.0	245.9	51042.26	-0.33
200.0	241.7	51041.97	-2.03
200.0	237.5	51041.55	-2.48
200.0	233.4	50980.63	-110.41
200.0	229.2	51046.16	0.98

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
200.0	225.0	51044.78	-2.42
200.0	220.9	51049.33	-0.55
200.0	216.7	51084.81	31.96
200.0	212.5	51089.2	33.35
200.0	208.4	51064.19	8.03
200.0	204.2	51051.67	0.67
200.0	200.0	51047.77	-1.19
200.0	195.9	51044.56	-1.53
200.0	191.7	51045.05	-0.71
200.0	187.5	51043.97	-1.58
200.0	183.4	51044.98	-0.83
200.0	179.2	51044.86	-1.05
200.0	175.0	51044.53	-0.5
200.0	170.9	51041.01	-6.98
200.0	166.7	51043.72	0.03
200.0	162.5	51043.38	-0.82
200.0	158.4	51043.4	-1.07
200.0	154.2	51044.88	-0.67
200.0	150.0	51043.63	-1.26
200.0	145.9	51043.27	-0.55
200.0	141.7	51042.83	-0.48
200.0	137.5	51043.17	-1.23
200.0	133.4	51043.44	-1.28
200.0	129.2	51043.6	-1.41
200.0	125.0	50988.9	-99.82
200.0	120.9	51043.96	1.57
200.0	116.7	51042.91	-1.85
200.0	112.5	51043.34	-1.21
200.0	108.4	51043.67	-0.87
200.0	104.2	51043.93	-0.41
200.0	100.0	51044.51	0.92
200.0	96.2	51043.22	-0.94
200.0	92.4	51042.41	1.28
200.0	88.5	51043.43	-0.44
200.0	84.7	51044.82	1.55
200.0	80.8	51029.72	-27.62
200.0	77.0	51012.84	-56.98
200.0	73.1	51044.88	-1.03
200.0	69.3	51045	0.26

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
200.0	65.4	51043.97	0.01
200.0	61.6	51044.41	-0.37
200.0	57.7	51045.51	0.25
200.0	53.9	51045.78	0.37
200.0	50.0	51044.98	-0.35
200.0	46.7	51029.37	-28.37
200.0	43.4	51045.05	-0.73
200.0	40.0	51045.24	-0.42
200.0	36.7	51044.95	-0.07
200.0	33.4	51046.5	-0.71
200.0	30.0	51046.37	0.12
200.0	26.7	51046.68	0.39
200.0	23.4	51031.07	-26.1
200.0	20.0	51046.17	0.64
200.0	16.7	51045.26	-0.12
200.0	13.4	51045.67	-0.16
200.0	10.0	51047.01	-0.89
200.0	6.7	51019.32	-49.01
200.0	3.4	51047.77	1.39
180.0	0.0	51046.86	1.03
180.0	4.1	51046.19	0.94
180.0	8.3	51045.99	-2.17
180.0	12.5	51044.87	-0.83
180.0	16.6	51045.75	-0.64
180.0	20.8	51047.11	-0.05
180.0	25.0	51037.5	-18.69
180.0	29.1	51047.56	-0.67
180.0	33.3	51016.66	-56.01
180.0	37.5	51044.44	-2.55
180.0	41.6	51043.09	-2.01
180.0	45.8	51044.37	-0.69
180.0	50.0	50995.36	-86.91
180.0	53.8	51016.2	-51.14
180.0	57.6	51044.07	-1.35
180.0	61.5	51043.66	0.96
180.0	65.3	51045.21	1.44
180.0	69.2	51045.58	1.33
180.0	73.0	51045.18	-1.03
180.0	76.9	51044.82	0.67

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
180.0	80.7	51046.08	-0.07
180.0	84.6	51046.59	2.71
180.0	88.4	51041.36	-2.94
180.0	92.3	51042.12	-1.51
180.0	96.1	51044.36	1.12
180.0	100.0	51042.88	1.28
180.0	104.1	51042.04	-0.26
180.0	108.3	51042.24	-0.28
180.0	112.5	51042.9	-1.69
180.0	116.6	51043.55	0.91
180.0	120.8	51003.35	-71.76
180.0	125.0	51043.77	0.51
180.0	129.1	51015.33	-50.67
180.0	133.3	51042.79	-0.1
180.0	137.5	51042.52	0.64
180.0	141.6	51042.9	0.39
180.0	145.8	51043.91	0.71
180.0	150.0	50984.27	-104.66
180.0	153.8	51027.7	-26.33
180.0	157.6	51042.99	0.12
180.0	161.5	51042.31	1.25
180.0	165.3	51044.56	1.23
180.0	169.2	51044.74	1.05
180.0	173.0	50944.94	-177.78
180.0	176.9	51023.86	-35.96
180.0	180.7	51043.53	1.73
180.0	184.6	51043.54	-0.5
180.0	188.4	51044.58	0.67
180.0	192.3	51044.98	0.46
180.0	196.1	51044.92	-1.26
180.0	200.0	51044.43	1.03
180.0	204.1	51045.19	0.89
180.0	208.3	51045.47	1.07
180.0	212.5	51046.2	0.75
180.0	216.6	51046.4	0.94
180.0	220.8	51046.78	-0.48
180.0	225.0	51045.94	0.48
180.0	229.1	51044.4	-0.08
180.0	233.3	51044.42	0.01

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
180.0	237.5	51043.96	1.37
180.0	241.6	51046.25	1.64
180.0	245.8	51045.07	-0.53
180.0	250.0	51044.41	-0.26
180.0	254.1	51044.46	-0.96
180.0	258.3	51044.52	-0.12
180.0	262.5	51046.05	0.67
180.0	266.6	51046.72	1.21
180.0	270.8	51045.03	0.39
180.0	275.0	51045	1.48
180.0	279.1	51043.94	0.51
180.0	283.3	51045.03	2.41
180.0	287.5	51044.28	-1.12
180.0	291.6	51045.09	0.03
180.0	295.8	51046.57	2.08
180.0	300.0	51046.21	1.58
180.0	304.1	51023.28	-38.76
180.0	308.3	51044.95	-0.08
180.0	312.5	51044.09	0.73
180.0	316.6	51045.19	0.55
180.0	320.8	51045.74	-0.69
180.0	325.0	51046.73	-0.48
180.0	329.1	51046.57	0.62
180.0	333.3	51041.41	-8.19
180.0	337.5	51047.27	1.32
180.0	341.6	51049.79	0.08
180.0	345.8	51051.74	0.37
180.0	350.0	51050.5	0.16
180.0	353.8	51042.77	-7.91
180.0	357.6	51027.57	-30.69
180.0	361.5	51044.81	-0.48
180.0	365.3	51044.69	-1.62
180.0	369.2	51045.41	-1.51
180.0	373.0	51046.2	-1.37
180.0	376.9	51047.33	-0.19
180.0	380.7	51045.96	-1.3
180.0	384.6	51044.75	0.21
180.0	388.4	51043.52	-1.05
180.0	392.3	51039.33	-3.25

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
180.0	396.1	51034.77	-2.98
180.0	400.0	51016.39	-24.21
180.0	404.1	51015.95	-27.3
180.0	408.3	51040.65	2.42
180.0	412.5	51037.86	1.07
180.0	416.6	51033.58	-4.71
180.0	420.8	51028.05	-6.5
180.0	425.0	51025.57	-6.37
180.0	429.1	51025.61	-9.83
180.0	433.3	51014.2	-41.3
180.0	437.5	51051.68	2.76
180.0	441.6	51069.47	3.53
180.0	445.8	51087.37	8.32
180.0	450.0	51109.44	14.85
180.0	454.1	51135.02	28.57
180.0	458.3	51161.54	48.1
180.0	462.5	51191.18	84.69
180.0	466.6	51144.25	65.57
180.0	470.8	51049.02	-2.85
180.0	475.0	50997.82	-33.89
180.0	479.1	51034.93	-7.03
180.0	483.3	51076.4	-13.5
180.0	487.5	51150.36	48.91
180.0	491.6	51173.08	47.16
180.0	495.8	51178.61	45.23
180.0	500.0	51169.12	38.37
180.0	504.1	51141.59	23.3
180.0	508.3	51091.38	-18.39
180.0	512.5	51098.55	-8.35
180.0	516.6	51137.68	27.46
180.0	520.8	51154.04	45.35
180.0	525.0	51121.55	30.87
180.0	529.1	51061.91	-9
180.0	533.3	50907.8	-249.57
180.0	537.5	51040.28	-20.05
180.0	541.6	51059.41	-7.8
180.0	545.8	51074.04	-1.41
180.0	550.0	51084.73	2.62
180.0	553.8	51080.27	-9.5

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
180.0	557.6	51082.75	-6.91
180.0	561.5	51080.86	-16.01
180.0	565.3	51099.25	-8.66
180.0	569.2	51127.84	-3.8
180.0	573.0	51170.61	10.26
180.0	576.9	51207.22	30.96
180.0	580.7	51208.58	29.6
180.0	584.6	51189.86	27.57
180.0	588.4	51147.75	26.64
180.0	592.3	51028.93	-70.23
180.0	596.1	50971.33	-50.85
180.0	600.0	50936.59	-63.94
180.0	604.1	50942.12	-59.32
180.0	608.3	51001.24	-29.89
180.0	612.5	51098.28	31.76
180.0	616.6	51175.32	92.83
180.0	620.8	51111.35	63.51
180.0	625.0	50829.77	-127
180.0	629.1	50644.37	-235.23
180.0	633.3	50721.3	-117.5
180.0	637.5	50773.19	-61.76
180.0	641.6	50767.69	-76.3
180.0	645.8	50786.74	-72.41
180.0	650.0	50811.48	-71.23
180.0	654.1	50848.75	-76.69
180.0	658.3	50899.12	-63.62
180.0	662.5	50964.43	-66.51
180.0	666.6	51067	13.01
180.0	670.8	51078.41	-20.17
180.0	675.0	51078.07	-6.07
180.0	679.1	51064.97	-24.92
180.0	683.3	51080.35	-14.01
180.0	687.5	51091.13	0.78
180.0	691.6	51036.34	-80
180.0	695.8	51048.27	-14.14
180.0	700.0	51010.21	-36.35
180.0	704.5	50995.73	-33.37
180.0	709.0	50997.52	-18.58
180.0	713.6	50988.49	-20.46

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
180.0	718.1	50981.46	-24.66
180.0	722.7	50985.92	-21.92
180.0	727.2	50982.12	-27.75
180.0	731.8	50958.98	-78.39
180.0	736.3	50991.44	-17.73
180.0	740.9	50983.25	-18.39
180.0	745.4	50962.34	-27.91
180.0	750.0	50924.13	-54.05
180.0	754.1	50895.64	-74.08
180.0	758.3	50862.09	-139.64
180.0	762.5	50902.6	-130.58
180.0	766.6	51028.86	27.28
180.0	770.8	51050.33	49.96
180.0	775.0	50980.29	-1.8
180.0	779.1	50926.13	-43.46
180.0	783.3	50954.16	-18.37
180.0	787.5	50983.81	-0.94
180.0	791.6	50993.48	-5.01
180.0	795.8	51020.67	5.71
180.0	800.0	51058.41	25.42
180.0	803.8	51070.68	27.3
180.0	807.6	51062.31	14.53
180.0	811.5	50986.44	-109.28
180.0	815.3	51030.34	-4.66
180.0	819.2	51016.39	-11.1
180.0	823.0	51024	-0.67
180.0	826.9	51028.56	1.26
180.0	830.7	51028.58	-2.44
180.0	834.6	51034.81	-2.73
180.0	838.4	51042.43	-4.28
180.0	842.3	51051.59	-3.8
180.0	846.1	51060.42	-1.53
180.0	850.0	51067.92	-0.14
180.0	854.1	51069.67	2.33
180.0	858.3	51051.07	-2.83
180.0	862.5	51002.27	-31.07
180.0	866.6	50913.83	-153
180.0	870.8	50986.64	-14.58
180.0	875.0	50985.64	-7.1

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
180.0	879.1	50972.47	-7.51
180.0	883.3	50954.91	-16.37
180.0	887.5	50948.26	-8.96
180.0	891.6	50944.72	-9.39
180.0	895.8	50908.74	-85.76
180.0	900.0	50967.93	-5.23
180.0	904.1	50968.96	-27.25
180.0	908.3	50994.29	-1.73
180.0	912.5	51003.6	-3.1
180.0	916.6	51009.31	-1.78
180.0	920.8	50974.6	-73.5
180.0	925.0	51017.9	-3.07
180.0	929.1	51024.18	-1.44
180.0	933.3	51026.78	-0.58
180.0	937.5	51030.29	0.12
180.0	941.6	51030.9	0.64
180.0	945.8	51031.37	0.14
180.0	950.0	51030.33	0.8
180.0	954.1	51028.31	-0.64
180.0	958.3	51029.47	-1.33
180.0	962.5	51031.3	-1.66
180.0	966.6	51034.46	-0.33
180.0	970.8	51036.14	-0.89
180.0	975.0	51037.07	0.21
180.0	979.1	51035.61	0.91
180.0	983.3	51013.32	-28.57
180.0	987.5	51019.74	-2.12
180.0	991.6	50960.55	-92.85
180.0	995.8	51005.32	-6.66
180.0	1000.0	51012.17	-1.67
180.0	1004.1	51016.68	4.14
180.0	1008.3	50960.63	-100.69
180.0	1012.5	51022.61	3.58
180.0	1016.6	51028.1	3.66
180.0	1020.8	51033.82	3.71
180.0	1025.0	51035.9	0.66
180.0	1029.1	51041.34	1.51
180.0	1033.3	51046.26	1.62
180.0	1037.5	50990.14	-99.48

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
180.0	1041.6	51019.41	-44.6
180.0	1045.8	51042.96	2.26
180.0	1050.0	51040.53	0.82
180.0	1054.1	51038.38	-1.98
180.0	1058.3	51037.12	-1.69
180.0	1062.5	51037.42	-0.51
180.0	1066.6	50976.08	-110.42
180.0	1070.8	50990.99	-77.75
180.0	1075.0	51035.94	2.64
180.0	1079.1	51038.07	5.01
180.0	1083.3	51036.11	0.87
180.0	1087.5	51036.98	0.01
180.0	1091.6	51036.97	1
180.0	1095.8	51037.53	0.08
180.0	1100.0	51036.19	1.94
180.0	1104.1	51039.54	3.17
180.0	1108.3	51012.17	-46.75
180.0	1112.5	51022.63	-22.98
180.0	1116.6	51035.26	-0.28
180.0	1120.8	51036.42	-0.44
180.0	1125.0	50998.3	-69.82
180.0	1129.1	51038.85	0.51
180.0	1133.3	51040.33	2.98
180.0	1137.5	51038.23	-0.94
180.0	1141.6	51036.63	-1.33
180.0	1145.8	51034.7	-3.66
180.0	1150.0	51035.57	-1.75
180.0	1153.5	51036.96	1.46
180.0	1157.1	51036.94	0.41
180.0	1160.7	51038.6	1.21
180.0	1164.2	51038.45	-0.28
180.0	1167.8	51038.78	-0.17
180.0	1171.4	51038.29	-0.71
180.0	1175.0	50974.91	-111.37
180.0	1178.5	51034.35	-2.01
180.0	1182.1	51035.55	-2.69
180.0	1185.7	51037.6	2.76
180.0	1189.2	51039.8	1.67
180.0	1192.8	51041.67	0.46

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
180.0	1196.4	51042.48	-0.08
160.0	1200.0	51039.13	-0.28
160.0	1196.7	51039.05	-0.3
160.0	1193.4	51038.41	-1.21
160.0	1190.0	51038.1	0.33
160.0	1186.7	51037.35	-0.48
160.0	1183.4	51036.55	-1.12
160.0	1180.0	51036.53	-1.53
160.0	1176.7	51036.31	-0.03
160.0	1173.4	51036.29	-1.08
160.0	1170.0	51036.33	-0.32
160.0	1166.7	50998.85	-67.44
160.0	1163.4	51036.18	-0.69
160.0	1160.0	51039.95	-1.51
160.0	1156.7	51038.5	0.23
160.0	1153.4	51037.05	1.28
160.0	1150.0	51034.9	-0.87
160.0	1146.2	51036.28	-1.33
160.0	1142.4	51037.07	-1.78
160.0	1138.5	51036.3	-1.05
160.0	1134.7	51034.24	-1.08
160.0	1130.8	51036.06	0.6
160.0	1127.0	51035.72	1.41
160.0	1123.1	51035.18	-1.17
160.0	1119.3	51034.98	-0.46
160.0	1115.4	51036.49	-1.41
160.0	1111.6	51036.3	0.32
160.0	1107.7	51035.31	-0.17
160.0	1103.9	51033.68	-0.89
160.0	1100.0	51034.44	-0.14
160.0	1095.9	51033.62	-0.1
160.0	1091.7	51035.65	-1
160.0	1087.5	51033.35	-1.19
160.0	1083.4	51034.88	-1.53
160.0	1079.2	51031.96	-3.62
160.0	1075.0	51034.53	-1.98
160.0	1070.9	51035.13	-1.07
160.0	1066.7	51034.8	-1.55
160.0	1062.5	51034.79	-0.66

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
160.0	1058.4	51036.61	1.37
160.0	1054.2	51035	-1.25
160.0	1050.0	51035.95	-2.67
160.0	1046.2	51039.26	-1.16
160.0	1042.4	51040.32	-2.16
160.0	1038.5	51042.68	-2.3
160.0	1034.7	51051.12	-2.32
160.0	1030.8	51071.16	5.33
160.0	1027.0	51105.4	26.21
160.0	1023.1	51145.6	63
160.0	1019.3	51092.24	-0.46
160.0	1015.4	51050.05	18.78
160.0	1011.6	50966.34	-34.17
160.0	1007.7	50935.01	-43.75
160.0	1003.9	50935.04	-38.53
160.0	1000.0	50952.31	-28.85
160.0	996.2	51017.38	15.64
160.0	992.4	51070.52	37.82
160.0	988.5	51091.64	36.32
160.0	984.7	51047.55	-56.1
160.0	980.8	51090.45	24.25
160.0	977.0	51070.44	11.21
160.0	973.1	51047.3	-1.89
160.0	969.3	51024.23	-17.66
160.0	965.4	51014.86	-21.48
160.0	961.6	51025.72	-11.73
160.0	957.7	51051.04	15.05
160.0	953.9	51058.08	32.67
160.0	950.0	51010.41	-3.14
160.0	946.2	50898.18	-163.96
160.0	942.4	50992.58	-20.53
160.0	938.5	51042.68	10.76
160.0	934.7	51080.11	27.17
160.0	930.8	51106.61	28.44
160.0	927.0	51128.93	34.37
160.0	923.1	51160.18	65.98
160.0	919.3	51123.26	46.39
160.0	915.4	51044.59	-10.39
160.0	911.6	50999.78	-44.25

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
160.0	907.7	51049.34	-3.5
160.0	903.9	51172.69	119.73
160.0	900.0	51183.24	139.46
160.0	895.9	51080.23	83.83
160.0	891.7	50915.66	9.1
160.0	887.5	50716.89	-100.78
160.0	883.4	50575.21	-190
160.0	879.2	50578.64	-196.66
160.0	875.0	50710.38	-141.37
160.0	870.9	50922.84	-50.82
160.0	866.7	51172.64	68.46
160.0	862.5	51336.18	125.89
160.0	858.4	51410.01	138.64
160.0	854.2	51441.61	148.17
160.0	850.0	51422.3	132.53
160.0	845.9	51338.47	80.64
160.0	841.7	51252.43	38.58
160.0	837.5	51206.36	22.05
160.0	833.4	51187.13	26.21
160.0	829.2	51164.76	29.48
160.0	825.0	51119.53	3.48
160.0	820.9	51099.73	-0.83
160.0	816.7	51097.73	10.85
160.0	812.5	51076.2	1.3
160.0	808.4	51054.64	-11.66
160.0	804.2	51050.38	-6.42
160.0	800.0	51049.41	0.14
160.0	796.2	51046.45	6.64
160.0	792.4	51032.71	8.3
160.0	788.5	51009.45	3.16
160.0	784.7	50976.29	-9.3
160.0	780.8	50944.85	-21.37
160.0	777.0	50860.8	-135.96
160.0	773.1	50909.48	-25.46
160.0	769.3	50891.83	-32.62
160.0	765.4	50864.4	-55
160.0	761.6	50842.5	-81.73
160.0	757.7	50856.03	-95.14
160.0	753.9	50927.57	-79.21

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
160.0	750.0	51035.63	-96.41
160.0	746.2	51270.36	134.75
160.0	742.4	51285.02	113.5
160.0	738.5	51191.43	28.62
160.0	734.7	51144.07	1.26
160.0	730.8	51145.34	14.25
160.0	727.0	51156.37	29.42
160.0	723.1	51151.66	31.35
160.0	719.3	51128.67	24.42
160.0	715.4	51094.6	17.46
160.0	711.6	51057.01	3.82
160.0	707.7	51028.23	-9.42
160.0	703.9	50968.73	-101.89
160.0	700.0	51023.23	1.8
160.0	696.2	51011.9	-5.66
160.0	692.4	51009.19	-16.39
160.0	688.5	51021.39	-13.69
160.0	684.7	51038.83	-9.89
160.0	680.8	51053.12	-10.23
160.0	677.0	51072.09	-2.14
160.0	673.1	51086.01	0.28
160.0	669.3	51086.82	2.42
160.0	665.4	51071.3	-2.35
160.0	661.6	51049.42	-7.69
160.0	657.7	51031.44	-8.39
160.0	653.9	51018.17	-6.21
160.0	650.0	51009.06	-3.96
160.0	646.2	50998.9	0.17
160.0	642.4	50983.78	-0.42
160.0	638.5	50972.5	-3.94
160.0	634.7	50964.53	-8.14
160.0	630.8	50961.51	-9.39
160.0	627.0	50961.42	-6.3
160.0	623.1	50958.82	2.89
160.0	619.3	50938.73	7.75
160.0	615.4	50893.81	-6.07
160.0	611.6	50832.99	-36.33
160.0	607.7	50793.93	-76.03
160.0	603.9	50836.37	-61.73

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
160.0	600.0	50919.65	-34.98
160.0	596.2	50989.39	-29.37
160.0	592.4	51017.58	-39.37
160.0	588.5	51047.9	-60.76
160.0	584.7	51184.18	19.96
160.0	580.8	51274.23	48.94
160.0	577.0	51305.66	45.12
160.0	573.1	51306.65	43.17
160.0	569.3	51298.63	54.12
160.0	565.4	51267.78	42.89
160.0	561.6	51224.38	25.73
160.0	557.7	51180.83	13.58
160.0	553.9	51140.89	6.08
160.0	550.0	51100.7	-5.57
160.0	546.2	51056.36	-32.76
160.0	542.4	51050.2	-25.26
160.0	538.5	51067.43	-1.51
160.0	534.7	51085.69	18.94
160.0	530.8	51065.59	14.33
160.0	527.0	50969.7	-66.5
160.0	523.1	50958.11	-67.55
160.0	519.3	51001.56	-25.39
160.0	515.4	51031.77	-1.62
160.0	511.6	51030.04	-1.16
160.0	507.7	50992.25	-22.48
160.0	503.9	50945.86	-57.53
160.0	500.0	50923.61	-81.41
160.0	496.2	50957.88	-54.01
160.0	492.4	51029.96	4.08
160.0	488.5	51059.89	25
160.0	484.7	50994.38	-67.82
160.0	480.8	51004.69	-15.17
160.0	477.0	50973.81	-37.25
160.0	473.1	50960.26	-53.3
160.0	469.3	50979.09	-61.41
160.0	465.4	51056.75	-19.17
160.0	461.6	51154.42	45.44
160.0	457.7	51206.52	74.28
160.0	453.9	51198.87	62.26

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
160.0	450.0	51148.85	22.46
160.0	446.2	51107.67	-1.41
160.0	442.4	50991.86	-144.92
160.0	438.5	50981.74	-90.76
160.0	434.7	51009.45	-59.89
160.0	430.8	51105.16	33.89
160.0	427.0	51111.04	33.62
160.0	423.1	51086.34	11.44
160.0	419.3	51067.85	3.96
160.0	415.4	51057.83	-0.37
160.0	411.6	51048.37	-2.69
160.0	407.7	51044.68	-2.03
160.0	403.9	51042.04	-2.37
160.0	400.0	51041.47	-3.48
160.0	396.2	51046.35	-1.17
160.0	392.4	51045.52	-5.44
160.0	388.5	51043.15	-4.46
160.0	384.7	51048.82	-3.08
160.0	380.8	51054.47	-2.91
160.0	377.0	51057.64	-0.58
160.0	373.1	51059.08	-0.08
160.0	369.3	51057.16	-0.82
160.0	365.4	51052.3	-1.14
160.0	361.6	51050.16	-1.23
160.0	357.7	51047.27	-0.8
160.0	353.9	51045	-3.87
160.0	350.0	51049.79	-2.21
160.0	346.2	51069.3	24.96
160.0	342.4	51053.19	4
160.0	338.5	51046.19	-0.12
160.0	334.7	51045.4	-2.21
160.0	330.8	51044.67	-2.23
160.0	327.0	51010.37	-61.32
160.0	323.1	51035.44	-13.98
160.0	319.3	51041.54	-0.8
160.0	315.4	51042.02	-1.03
160.0	311.6	51024.04	-32.08
160.0	307.7	51043.33	-2.64
160.0	303.9	51043.38	-0.83

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
160.0	300.0	51044.67	1.73
160.0	296.7	51045.55	1.01
160.0	293.4	51045.46	-0.37
160.0	290.0	51043.92	-1.51
160.0	286.7	51038.8	-9.62
160.0	283.4	51043.58	-0.58
160.0	280.0	51043.12	-0.83
160.0	276.7	51012.77	-57.58
160.0	273.4	51044.28	-0.16
160.0	270.0	51043.56	-0.76
160.0	266.7	51042.95	-0.16
160.0	263.4	51040.99	-1.94
160.0	260.0	51043.62	-1.53
160.0	256.7	51043.6	-0.08
160.0	253.4	51050.31	2.69
160.0	250.0	51050.45	5.75
160.0	246.2	51046.65	2.83
160.0	242.4	51008.27	-68.91
160.0	238.5	51043.56	-1.44
160.0	234.7	51042.45	-1.8
160.0	230.8	51041.56	-1.39
160.0	227.0	51041.27	-3.26
160.0	223.1	51043.47	-0.78
160.0	219.3	51043.47	-0.58
160.0	215.4	51042.92	-2.19
160.0	211.6	51043.86	0.83
160.0	207.7	51039.7	-5.62
160.0	203.9	51050.83	6.17
160.0	200.0	51056.08	10.14
160.0	195.5	51045.76	1.1
160.0	191.0	51042.55	-1.3
160.0	186.4	51041.51	-1.35
160.0	181.9	51040.7	-0.55
160.0	177.3	51041.65	-0.91
160.0	172.8	51041.8	-0.71
160.0	168.2	51041.7	-1.16
160.0	163.7	50992.11	-88.23
160.0	159.1	51040.11	-0.55
160.0	154.6	51041.26	1.41

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
160.0	150.0	51039.53	-0.3
160.0	145.9	51040.41	-1.1
160.0	141.7	51040.43	-0.32
160.0	137.5	51040.26	-0.83
160.0	133.4	51040.05	0.12
160.0	129.2	51037.89	-0.17
160.0	125.0	51034.78	-2.69
160.0	120.9	51031.45	-8.57
160.0	116.7	51040.35	-1.62
160.0	112.5	51041.03	0.37
160.0	108.4	51040.6	-1.26
160.0	104.2	51040.36	-1.12
160.0	100.0	51039.8	-2
160.0	96.2	51040.86	-0.96
160.0	92.4	51040.83	-1.3
160.0	88.5	51040.48	-1.64
160.0	84.7	51040.6	1.48
160.0	80.8	51041.09	0.98
160.0	77.0	51041.7	-0.48
160.0	73.1	51042.05	-1.32
160.0	69.3	51042.39	-0.94
160.0	65.4	51042.33	-0.76
160.0	61.6	50991.2	-92.57
160.0	57.7	51041.85	-0.76
160.0	53.9	51042.72	0.19
160.0	50.0	51043.91	-1.03
160.0	46.2	51044.46	-0.41
160.0	42.4	51000.62	-77.89
160.0	38.5	51043.5	-0.91
160.0	34.7	51043.73	-1.73
160.0	30.8	51043.18	-2.12
160.0	27.0	51044.64	-2.39
160.0	23.1	51044.89	-2.25
160.0	19.3	51045.66	-1.69
160.0	15.4	51045.54	-0.78
160.0	11.6	51044.34	-0.21
160.0	7.7	51046.25	-1.64
160.0	3.9	51044.96	-0.35
140.0	0.0	51046.35	0.66

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
140.0	4.1	51045.75	0.23
140.0	8.3	51047.38	0.41
140.0	12.5	51046.04	1.32
140.0	16.6	51047.08	0.66
140.0	20.8	51004.05	-76.28
140.0	25.0	51045.77	-1.6
140.0	29.1	51045.98	-1.55
140.0	33.3	51045.25	2.12
140.0	37.5	51045.47	0.42
140.0	41.6	51043.98	-1.33
140.0	45.8	51044.31	-2.16
140.0	50.0	51043.34	-2.32
140.0	54.1	51042.95	-1.57
140.0	58.3	50985.73	-102.57
140.0	62.5	51042.05	-2.73
140.0	66.6	51041.91	-0.03
140.0	70.8	51041.1	0.23
140.0	75.0	50909.2	-235.21
140.0	79.1	51009.31	-55.39
140.0	83.3	51039.2	-1.03
140.0	87.5	51039.64	0.67
140.0	91.6	51040.08	0.33
140.0	95.8	50983.81	-100.32
140.0	100.0	50955	-150.58
140.0	104.5	51039.03	1.87
140.0	109.0	51037.81	-0.51
140.0	113.6	51038.6	0.33
140.0	118.1	51038.29	-0.23
140.0	122.7	51037.2	0.12
140.0	127.2	51014.6	-40.57
140.0	131.8	51036.19	0.21
140.0	136.3	51035.63	-1.37
140.0	140.9	51036.42	0.75
140.0	145.4	51036.44	0.87
140.0	150.0	50984.69	-91.67
140.0	153.1	51036.73	1.17
140.0	156.2	51034.98	0.8
140.0	159.3	51036.34	0.21
140.0	162.5	51036.54	0.25

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
140.0	165.6	51037.63	1.57
140.0	168.7	51039.57	1.37
140.0	171.8	51039.8	2.66
140.0	175.0	51039.68	0.58
140.0	178.1	51040.91	1.44
140.0	181.2	51039.44	-1.69
140.0	184.3	51041.07	-0.35
140.0	187.5	51041.7	2.26
140.0	190.6	51041.47	1.42
140.0	193.7	51045.05	3.07
140.0	196.8	51044.47	2.25
140.0	200.0	51042	2.91
140.0	204.1	51042.31	1.87
140.0	208.3	51045.1	2.87
140.0	212.5	51043.95	0.91
140.0	216.6	51042.41	-1.5
140.0	220.8	51042.89	0.48
140.0	225.0	51042.02	-1.69
140.0	229.1	51042.27	-0.01
140.0	233.3	51042.25	-1.96
140.0	237.5	51043.1	-0.71
140.0	241.6	51044.92	0.73
140.0	245.8	50981.57	-111.07
140.0	250.0	51044.18	0.28
140.0	254.5	51042.23	-0.78
140.0	259.0	51042.13	-1.28
140.0	263.6	51042.03	-1.73
140.0	268.1	51041.68	-1.26
140.0	272.7	51043.16	-0.73
140.0	277.2	51044.19	-0.14
140.0	281.8	51044.61	0.57
140.0	286.3	51039.6	-7.01
140.0	290.9	51044.11	-0.07
140.0	295.4	51045.38	1.05
140.0	300.0	51045.71	1.05
140.0	304.1	51045.8	1.85
140.0	308.3	51047.03	1.3
140.0	312.5	51046.08	1.07
140.0	316.6	51043.87	-0.55

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
140.0	320.8	51043.82	-0.35
140.0	325.0	51046.01	0.33
140.0	329.1	51045.09	0.19
140.0	333.3	50984.62	-109.46
140.0	337.5	51002.32	-76.78
140.0	341.6	51043.49	0.14
140.0	345.8	51044.35	0.35
140.0	350.0	51041.68	-1.87
140.0	353.8	51030.87	-16.41
140.0	357.6	51000.2	-72.08
140.0	361.5	51046.45	2.17
140.0	365.3	51048.65	1.37
140.0	369.2	51049.06	1.55
140.0	373.0	51054.42	2.51
140.0	376.9	51064.01	5.35
140.0	380.7	51081.27	15.42
140.0	384.6	51111.03	40.07
140.0	388.4	51118.18	52.58
140.0	392.3	51079.24	21.1
140.0	396.1	51043.31	-4.75
140.0	400.0	51031.14	-8.73
140.0	403.5	51031.22	-10.69
140.0	407.1	51037.96	-2.73
140.0	410.7	51041.09	-1.6
140.0	414.2	51045.37	-1.44
140.0	417.8	51048.94	0.19
140.0	421.4	51052.84	-0.58
140.0	425.0	51057.12	0.92
140.0	428.5	51059.42	-0.37
140.0	432.1	51062.99	-1.26
140.0	435.7	51068.27	-0.19
140.0	439.2	51061.65	-21.12
140.0	442.8	51079.3	3.35
140.0	446.4	51081.07	3.75
140.0	450.0	51068.63	-11.26
140.0	453.8	51063.89	-17.91
140.0	457.6	51070.35	-12.33
140.0	461.5	51087.35	3.5
140.0	465.3	51074.13	-20.6

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
140.0	469.2	51085.04	8.66
140.0	473.0	51066.96	5
140.0	476.9	51042.95	-2.32
140.0	480.7	51022.06	-10.76
140.0	484.6	50973.74	-73.8
140.0	488.4	50936.6	-136.37
140.0	492.3	51004.07	-4.39
140.0	496.1	51001.19	-8.66
140.0	500.0	50993.69	-10.46
140.0	503.3	50984.28	-21.12
140.0	506.6	50939.32	-113.75
140.0	510.0	51011.9	1.25
140.0	513.3	51016.63	-0.01
140.0	516.6	51017.98	-0.3
140.0	520.0	51019.56	0.8
140.0	523.3	51016.93	-13.19
140.0	526.6	51026.52	-1.98
140.0	530.0	51036.25	0.35
140.0	533.3	51037.89	-0.91
140.0	536.6	50978.42	-105.08
140.0	540.0	51044.95	-1.71
140.0	543.3	51051.32	-2.66
140.0	546.6	51059.92	-2.39
140.0	550.0	51070.14	0.07
140.0	553.1	51080.23	0.53
140.0	556.2	51095.22	-3.28
140.0	559.3	51107.81	-4.8
140.0	562.5	51136.59	-5.53
140.0	565.6	51182.43	1.82
140.0	568.7	51253.01	2.96
140.0	571.8	51370.79	25.08
140.0	575.0	51529.52	80.92
140.0	578.1	51715.26	160.19
140.0	581.2	51843.44	278.6
140.0	584.3	51771.31	296.85
140.0	587.5	51849.41	340.55
140.0	590.6	51499.74	186.08
140.0	593.7	51200.53	-10.35
140.0	596.8	51145.67	-26.92

512 230

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
140.0	600.0	51263.41	113.66
140.0	603.5	51393.31	289.51
140.0	607.1	51288.33	275.07
140.0	610.7	50866.28	30.12
140.0	614.2	50262.1	-465.05
140.0	617.8	50223.6	-454.83
140.0	621.4	50448.38	-258.55
140.0	625.0	50733.5	-87.94
140.0	628.5	50977.22	29.66
140.0	632.1	51186.96	142.21
140.0	635.7	51305.75	202.85
140.0	639.2	51258.75	123.83
140.0	642.8	51149.82	38.39
140.0	646.4	51099.57	12.21
140.0	650.0	51096.02	33.57
140.0	653.8	51076.85	35.64
140.0	657.6	51011.86	6.26
140.0	661.5	50927.14	-48.85
140.0	665.3	50879.84	-92.28
140.0	669.2	50979.32	-17.8
140.0	673.0	51210.82	176.41
140.0	676.9	51148.62	69.71
140.0	680.7	51094.79	12.91
140.0	684.6	51097.2	15.07
140.0	688.4	51112.47	24.46
140.0	692.3	51121.31	30.48
140.0	696.1	51118.71	25.44
140.0	700.0	51118.39	36.85
140.0	704.1	51107.48	53.89
140.0	708.3	51004.32	-14.92
140.0	712.5	50887.68	-85.48
140.0	716.6	50852.6	-81.55
140.0	720.8	50858.89	-82.71
140.0	725.0	50926.49	-71.82
140.0	729.1	51112.9	-18.32
140.0	733.3	51411.89	131.8
140.0	737.5	51791.46	372.03
140.0	741.6	51837.17	352.83
140.0	745.8	51673.44	209.67

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
140.0	750.0	51532.64	117.26
140.0	753.8	51409.53	83.16
140.0	757.6	51112.85	-157.51
140.0	761.5	50717.56	-565.76
140.0	765.3	50938.55	-143.12
140.0	769.2	50993.75	-31.62
140.0	773.0	50979.16	-3.07
140.0	776.9	50912.67	-33.57
140.0	780.7	50840.09	-77.37
140.0	784.6	50816.45	-90.1
140.0	788.4	50843.34	-71.05
140.0	792.3	50901.04	-38.44
140.0	796.1	50959.22	-10.53
140.0	800.0	50998.08	3.73
140.0	803.8	51011.22	1.07
140.0	807.6	51005.07	-12.37
140.0	811.5	50992.82	-39.42
140.0	815.3	51000.33	-73.32
140.0	819.2	51152.72	38.28
140.0	823.0	51281.43	154.67
140.0	826.9	51189.01	59.69
140.0	830.7	51098.32	-2.62
140.0	834.6	51075.88	-14.73
140.0	838.4	51084.51	-26.25
140.0	842.3	51144.48	8.05
140.0	846.1	51207.65	27.62
140.0	850.0	51273.78	51.91
140.0	854.1	51328.51	74.67
140.0	858.3	51338.28	79.19
140.0	862.5	51300.26	67.33
140.0	866.6	51224.47	42.53
140.0	870.8	51149.34	20.44
140.0	875.0	51050.89	5.14
140.0	879.1	50930.8	-24.21
140.0	883.3	50817.06	-62.53
140.0	887.5	50743.87	-80.53
140.0	891.6	50721.08	-73.05
140.0	895.8	50688.65	-154.67
140.0	900.0	50788.7	-39.28

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
140.0	903.8	50823.75	-34.67
140.0	907.6	50868	-27.89
140.0	911.5	50929.89	-7.98
140.0	915.3	50988.07	10.08
140.0	919.2	51024.89	16.91
140.0	923.0	51036.19	12.33
140.0	926.9	51041.51	3.37
140.0	930.7	51040.84	3.41
140.0	934.6	51010.55	-26.25
140.0	938.4	50979.08	-29.35
140.0	942.3	50967.49	-32.01
140.0	946.1	50994.75	-8.3
140.0	950.0	51014.88	6.98
140.0	954.1	51028.1	13.87
140.0	958.3	51019.62	-8.32
140.0	962.5	51036.85	14.89
140.0	966.6	51035.88	11.32
140.0	970.8	51023.79	4.3
140.0	975.0	51002.82	-11.92
140.0	979.1	50993.4	-22.35
140.0	983.3	51016.84	-13.96
140.0	987.5	51052.64	1.44
140.0	991.6	51084.78	14.08
140.0	995.8	51083.1	14.67
140.0	1000.0	51059.44	2.16
140.0	1004.1	51032.89	-9.83
140.0	1008.3	51014.72	-15.5
140.0	1012.5	51022.23	-6.3
140.0	1016.6	51057.9	13.48
140.0	1020.8	51083.82	30.96
140.0	1025.0	51063.21	10.96
140.0	1029.1	51052.16	9.71
140.0	1033.3	51048.54	9.07
140.0	1037.5	51041.15	2.66
140.0	1041.6	51038.65	2.07
140.0	1045.8	51038.24	2.48
140.0	1050.0	51037.47	1.6
140.0	1054.1	50966.52	-126.53
140.0	1058.3	51013.09	-40.46

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
140.0	1062.5	51035	0.78
140.0	1066.6	51035.53	0.58
140.0	1070.8	51035.2	-1.53
140.0	1075.0	51036.82	0.46
140.0	1079.1	51034.52	-0.89
140.0	1083.3	51034.37	-1.3
140.0	1087.5	51034.68	0.12
140.0	1091.6	51034.28	0.58
140.0	1095.8	51035.44	1.48
140.0	1100.0	51035.52	0.64
140.0	1103.8	51036.99	1.25
140.0	1107.6	51037.04	1.44
140.0	1111.5	51034.74	-0.46
140.0	1115.3	51030.45	-3.83
140.0	1119.2	51031.2	-2.5
140.0	1123.0	51036.19	3.71
140.0	1126.9	51041.64	5.19
140.0	1130.7	51051.97	14
140.0	1134.6	51051.44	16.32
140.0	1138.4	51036.72	-0.35
140.0	1142.3	51035.49	-1
140.0	1146.1	51036.3	-0.53
140.0	1150.0	51036.22	0.37
140.0	1153.5	51036.43	0.16
140.0	1157.1	51035.98	0.3
140.0	1160.7	51035.66	1.62
140.0	1164.2	51035.75	-1.37
140.0	1167.8	51001.93	-61.91
140.0	1171.4	51037.15	-0.46
140.0	1175.0	51035.67	0.19
140.0	1178.5	51034.98	-0.35
140.0	1182.1	51034.84	0.25
140.0	1185.7	51036.6	2.25
140.0	1189.2	51038.1	2.89
140.0	1192.8	51038.62	1.92
140.0	1196.4	51036.73	1.83
120.0	1200.0	51035.71	0.01
120.0	1196.2	51035.96	0.41
120.0	1192.4	51035.94	-0.25

512 232

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
120.0	1188.5	51035.29	-1.51
120.0	1184.7	51035.93	-0.19
120.0	1180.8	50978.76	-103.03
120.0	1177.0	51035.52	0.23
120.0	1173.1	51023.92	-19.89
120.0	1169.3	51034.64	0.76
120.0	1165.4	51033.8	-1.21
120.0	1161.6	51033.91	-0.92
120.0	1157.7	51034.25	-1.17
120.0	1153.9	51034.92	-0.96
120.0	1150.0	51028.75	-9.16
120.0	1145.9	51033.67	0.1
120.0	1141.7	51037.81	-0.17
120.0	1137.5	51051.02	14.39
120.0	1133.4	51040.41	6.1
120.0	1129.2	51024.06	-7.85
120.0	1125.0	51031.4	0.64
120.0	1120.9	51035.28	1.6
120.0	1116.7	51033.61	1.23
120.0	1112.5	51031.98	-1.12
120.0	1108.4	51032.3	-1.23
120.0	1104.2	51032.76	-1.46
120.0	1100.0	51033.3	-0.5
120.0	1095.9	51033.11	-0.28
120.0	1091.7	51033.39	-0.01
120.0	1087.5	51033.31	0.16
120.0	1083.4	51033.2	-1
120.0	1079.2	51033.58	-1.42
120.0	1075.0	51032.45	-1.08
120.0	1070.9	51033.26	0.16
120.0	1066.7	51031.92	-0.89
120.0	1062.5	51033.51	-1.25
120.0	1058.4	51035.06	-0.75
120.0	1054.2	51034.57	2.25
120.0	1050.0	50997.86	-61.67
120.0	1046.2	51032.12	1.26
120.0	1042.4	51028.3	-0.08
120.0	1038.5	51026.66	0.08
120.0	1034.7	51018.42	-2.35

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
120.0	1030.8	50987.14	-49.6
120.0	1027.0	51007.75	-5.96
120.0	1023.1	51007.45	-3.19
120.0	1019.3	50998.27	-10.82
120.0	1015.4	50990.21	-17.51
120.0	1011.6	51002.57	-10.82
120.0	1007.7	51005.72	-4.82
120.0	1003.9	50987.2	-10.35
120.0	1000.0	50950.42	-53.89
120.0	995.5	50973.2	-52.46
120.0	991.0	51045.36	9.67
120.0	986.4	51049.62	6.28
120.0	981.9	51043.96	7.33
120.0	977.3	51026.83	1.33
120.0	972.8	51014.76	-4.39
120.0	968.2	51007.89	-9.32
120.0	963.7	51016.63	2.89
120.0	959.1	51013.23	5.19
120.0	954.6	50986.04	-17.17
120.0	950.0	50962.07	-44.48
120.0	946.2	50935.55	-131.03
120.0	942.4	51049.24	8.66
120.0	938.5	51093.41	36.01
120.0	934.7	51109.26	49.37
120.0	930.8	51075.62	28.91
120.0	927.0	51028.31	0.57
120.0	923.1	51008.08	-5.32
120.0	919.3	51007.25	5.76
120.0	915.4	50997.12	3.8
120.0	911.6	50984.92	6.64
120.0	907.7	50966.16	3.98
120.0	903.9	50931.27	1.73
120.0	900.0	50873.75	-13.01
120.0	896.2	50785.69	-45.1
120.0	892.4	50663.66	-114.8
120.0	888.5	50557.26	-195.07
120.0	884.7	50585.27	-201.48
120.0	880.8	50769.39	-106.39
120.0	877.0	50993.14	16.3

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
120.0	873.1	51163.51	88.32
120.0	869.3	51222.06	75.23
120.0	865.4	51244.88	80.69
120.0	861.6	51222.35	53.05
120.0	857.7	51219.25	44.33
120.0	853.9	51236.97	51.5
120.0	850.0	51272.33	84.39
120.0	845.9	51288.02	125.23
120.0	841.7	51185.23	101.28
120.0	837.5	51031.03	62.53
120.0	833.4	50903.93	29.08
120.0	829.2	50846.53	5.37
120.0	825.0	50856.51	3.85
120.0	820.9	50874.52	-2.71
120.0	816.7	50908.07	-8.05
120.0	812.5	50941.46	-5.16
120.0	808.4	50961.1	-5.66
120.0	804.2	50980.56	0.96
120.0	800.0	50995.28	3.71
120.0	796.2	51000.49	0.89
120.0	792.4	51000.7	-3.82
120.0	788.5	51005.68	0.6
120.0	784.7	50997.32	-19.82
120.0	780.8	51013.16	5.58
120.0	777.0	51019.64	10.37
120.0	773.1	51041.46	25.73
120.0	769.3	51043.38	31.05
120.0	765.4	51016.78	17.07
120.0	761.6	50971.63	-10.66
120.0	757.7	50939.94	-33.91
120.0	753.9	50946.76	-40
120.0	750.0	50973.09	-39.26
120.0	746.2	51012.77	-34.17
120.0	742.4	51071.7	-21.32
120.0	738.5	51133.23	10.03
120.0	734.7	51172.76	33.39
120.0	730.8	51133.66	41.67
120.0	727.0	50957.42	-18.8
120.0	723.1	50636.04	-194.46

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
120.0	719.3	50431.62	-325.92
120.0	715.4	50541.33	-262.35
120.0	711.6	50806.34	-71.53
120.0	707.7	51106.77	103.46
120.0	703.9	51260.82	149.08
120.0	700.0	51131.49	-110.42
120.0	696.2	51194.29	62.19
120.0	692.4	51087.45	-64.94
120.0	688.5	51083.68	-2.75
120.0	684.7	51061.44	-4.44
120.0	680.8	51056.58	16.48
120.0	677.0	51023.6	-0.87
120.0	673.1	51002.71	-17.33
120.0	669.3	51018.23	1.32
120.0	665.4	50999.78	-7.76
120.0	661.6	50958.13	-39.8
120.0	657.7	50955.45	-45.39
120.0	653.9	50975.03	-41.51
120.0	650.0	51025.71	-6.39
120.0	645.5	51061.54	19.83
120.0	641.0	51056.92	14.76
120.0	636.4	51021.05	7.69
120.0	631.9	50909.98	-57.14
120.0	627.3	50742.66	-186.28
120.0	622.8	50643.31	-256.85
120.0	618.2	50690.66	-139.37
120.0	613.7	50720.05	-115.67
120.0	609.1	50722.99	-157.03
120.0	604.6	50842.61	-70.21
100.0	600.0	50982.8	-4.03
100.0	604.5	50984.26	-3.32
100.0	609.0	50993.84	6.82
100.0	613.6	51063.93	59.12
100.0	618.1	51105.62	76.75
100.0	622.7	51136.72	61.21
100.0	627.2	51132.62	-33.64
100.0	631.8	51235.23	99.71
100.0	636.3	51228.53	100.57
100.0	640.9	51155.3	32.21

512 234

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
100.0	645.4	51122.11	-0.62
100.0	650.0	51142.03	13.16
100.0	654.1	51152.17	41.21
100.0	658.3	51086.39	-8.28
100.0	662.5	51033.46	-49.6
100.0	666.6	51129.95	67.69
100.0	670.8	50995.17	-125
100.0	675.0	51035.08	29.3
100.0	679.1	50885.74	-74.25
100.0	683.3	50815.27	-159.57
100.0	687.5	50954.62	-15.21
100.0	691.6	51021.22	12.41
100.0	695.8	51044.7	12.96
100.0	700.0	51053.25	10.33
100.0	703.8	51053.66	7.91
100.0	707.6	51049.37	10.21
100.0	711.5	51032.63	6.08
100.0	715.3	51004.93	-1.55
100.0	719.2	50991.05	4.26
100.0	723.0	50953.54	-14.41
100.0	726.9	50909.2	-44.07
100.0	730.7	50821.3	-143.07
100.0	734.6	50762.96	-268.44
100.0	738.4	50955.64	-59.76
100.0	742.3	51049.16	23.51
100.0	746.1	51047.41	20.64
100.0	750.0	51018.09	3.08
100.0	754.5	50953.61	-62.25
100.0	759.0	50954.31	-23.71
100.0	763.6	50944.1	-28.53
100.0	768.1	50953.91	-25.82
100.0	772.7	50984.96	-12.26
100.0	777.2	51016.51	5.14
100.0	781.8	51024.34	6.16
100.0	786.3	51014.39	-2.12
100.0	790.9	51006.59	-3.57
100.0	795.4	51006.42	-5.66
100.0	800.0	51009.51	-3.64
100.0	803.8	50965.54	-83.35

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
100.0	807.6	51008.93	-3.94
100.0	811.5	50994.09	-18.66
100.0	815.3	50991.47	-1.98
100.0	819.2	50961.43	-3.58
100.0	823.0	50903.11	-13.76
100.0	826.9	50792.77	-43.75
100.0	830.7	50559.8	-108.6
100.0	834.6	50089.71	-297.62
100.0	838.4	49140.44	-949.94
100.0	842.3	47177.06	-2682.87
100.0	846.1	46665.39	-3239.98
100.0	850.0	49356.19	-991.23
100.0	853.8	50806.92	34.08
100.0	857.6	51122.69	77.03
100.0	861.5	51137.59	32.42
100.0	865.3	51121.49	14.71
100.0	869.2	51111.82	7.32
100.0	873.0	51107.38	8.75
100.0	876.9	51100.42	8.44
100.0	880.7	51085.49	10.69
100.0	884.6	51056.18	4.32
100.0	888.4	50989.78	-22.98
100.0	892.3	50935.96	-45.75
100.0	896.1	50922.52	-37.78
100.0	900.0	50936.44	-15.92
100.0	904.1	50947.74	-8.58
100.0	908.3	50961.83	-5.17
100.0	912.5	50976.2	-1.73
100.0	916.6	50986.23	-1.12
100.0	920.8	50993.4	-2.28
100.0	925.0	51001.17	1.03
100.0	929.1	51007.44	0.32
100.0	933.3	51012.21	-0.92
100.0	937.5	50972.92	-78.17
100.0	941.6	51021.51	-0.67
100.0	945.8	51023.94	0.46
100.0	950.0	51026.9	1.26
100.0	954.1	51025.09	0.91
100.0	958.3	51021.55	0.46

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
100.0	962.5	51017.72	0.23
100.0	966.6	51009.65	-9.69
100.0	970.8	51015.39	0.37
100.0	975.0	51016.65	0.94
100.0	979.1	51017.42	1.44
100.0	983.3	51017.98	1.21
100.0	987.5	50981.84	-62.94
100.0	991.6	51018.18	0.67
100.0	995.8	51017.4	0.58
100.0	1000.0	51017.65	1.87
100.0	1003.8	51014.77	2.91
100.0	1007.6	50970.01	-76.46
100.0	1011.5	50976.71	-55.21
100.0	1015.3	51002.37	-2.71
100.0	1019.2	50989.39	-12.96
100.0	1023.0	50980.37	-23.07
100.0	1026.9	50987.29	-21.66
100.0	1030.7	51008.02	-5.69
100.0	1034.6	51020.85	3.67
100.0	1038.4	51024.16	2.8
100.0	1042.3	51025.24	0.44
100.0	1046.1	51024.36	1.55
100.0	1050.0	51001.79	-43.28
100.0	1053.8	51029.47	2.12
100.0	1057.6	51033.28	3.51
100.0	1061.5	51034.61	5.91
100.0	1065.3	51031.27	-0.01
100.0	1069.2	51025.01	-4.78
100.0	1073.0	51028.07	-1.82
100.0	1076.9	51030.8	0.32
100.0	1080.7	51031.38	0.3
100.0	1084.6	51015.75	-27.26
100.0	1088.4	51031.28	0.46
100.0	1092.3	51029.43	0.87
100.0	1096.1	51029.99	-1.48
100.0	1100.0	51034.38	2.33
100.0	1103.8	51032.98	2.07
100.0	1107.6	51031.64	-0.16
100.0	1111.5	51031.34	0.6

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
100.0	1115.3	51030.59	0.44
100.0	1119.2	51030.25	-0.21
100.0	1123.0	51032.3	1.85
100.0	1126.9	51033.64	3.3
100.0	1130.7	51031.26	1.85
100.0	1134.6	51033.14	1.33
100.0	1138.4	51033.88	2.75
100.0	1142.3	51015.11	-29.69
100.0	1146.1	51032.78	1.21
100.0	1150.0	51031.36	1.53
100.0	1153.3	51032.32	1.25
100.0	1156.6	50995.06	-67.71
100.0	1160.0	51033.63	0.92
100.0	1163.3	50966.65	-120.17
100.0	1166.6	51010.8	-40.92
100.0	1170.0	51033.51	0.28
100.0	1173.3	51032.6	-0.33
100.0	1176.6	51033.12	0.8
100.0	1180.0	51034.37	2.5
100.0	1183.3	51035.23	1.71
100.0	1186.6	51034.21	1.05
100.0	1190.0	51034.67	0.21
100.0	1193.3	51035.09	0.91
100.0	1196.6	51035.23	1.21
80.0	1200.0	51031.79	-0.37
80.0	1196.5	51031.62	-0.62
80.0	1192.9	51030.68	-0.17
80.0	1189.3	51031.28	-1.94
80.0	1185.8	51031.35	0.71
80.0	1182.2	51031.57	0.25
80.0	1178.6	51035.8	-0.3
80.0	1175.0	51027.94	0.67
80.0	1171.5	51029.25	-0.44
80.0	1167.9	51029.49	-0.37
80.0	1164.3	51028.73	-0.69
80.0	1160.8	51028.24	-1.35
80.0	1157.2	50972.01	-101.89
80.0	1153.6	51027.66	-0.19
80.0	1150.0	51021.34	-9.39

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
80.0	1145.9	51026.16	-0.03
80.0	1141.7	51026.66	-0.03
80.0	1137.5	51024.94	-0.87
80.0	1133.4	51025.27	-2.21
80.0	1129.2	51026.48	-0.14
80.0	1125.0	51024.03	0.91
80.0	1120.9	51023.86	0.39
80.0	1116.7	51023.27	-1.14
80.0	1112.5	51023.62	-1.21
80.0	1108.4	51022.59	-1.08
80.0	1104.2	51020.79	-3.46
80.0	1100.0	51021.8	-3.32
80.0	1096.2	51025.86	1.91
80.0	1092.4	51024.73	1.53
80.0	1088.5	51025.44	-0.37
80.0	1084.7	51024.47	0.57
80.0	1080.8	51024.32	0.78
80.0	1077.0	51024.67	1.08
80.0	1073.1	51024.05	1.16
80.0	1069.3	50987.9	-61.92
80.0	1065.4	51026.63	0.76
80.0	1061.6	51026.65	1.35
80.0	1057.7	51027.64	1.75
80.0	1053.9	51025.84	-0.51
80.0	1050.0	51026.95	-0.78
80.0	1046.2	51028.56	0.76
80.0	1042.4	51027.59	3.14
80.0	1038.5	51028.06	2.6
80.0	1034.7	51027.21	6.41
80.0	1030.8	51024.77	6.87
80.0	1027.0	51019.13	9.73
80.0	1023.1	51002.7	8.82
80.0	1019.3	50973.35	1.01
80.0	1015.4	50953.15	-2.46
80.0	1011.6	50933.78	-18.62
80.0	1007.7	50932.3	-23.42
80.0	1003.9	50955.44	-15.26
80.0	1000.0	50976.24	-7.28
80.0	995.9	50990.1	-1.28

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
80.0	991.7	51001.35	2.1
80.0	987.5	51007.95	0.3
80.0	983.4	51011.42	1.67
80.0	979.2	51014.07	-1.01
80.0	975.0	50958.8	-101.03
80.0	970.9	51017.63	0.67
80.0	966.7	51019.34	1.89
80.0	962.5	51018.93	0.32
80.0	958.4	51019.32	-0.1
80.0	954.2	51019.35	-0.32
80.0	950.0	51020.52	-1.91
80.0	946.2	51018.98	0.46
80.0	942.4	51017.97	1.55
80.0	938.5	51018.13	0.73
80.0	934.7	51018.09	-0.75
80.0	930.8	51017.21	-1.37
80.0	927.0	51016.08	-1.48
80.0	923.1	51013.31	-1.71
80.0	919.3	51010.99	-0.58
80.0	915.4	51007.75	0.1
80.0	911.6	51006.28	-0.82
80.0	907.7	50993.56	-19.78
80.0	903.9	50950.87	-90.94
80.0	900.0	50997.81	-2.39
80.0	895.9	50942.46	-98.53
80.0	891.7	50994.32	-5.19
80.0	887.5	50992.89	-6.73
80.0	883.4	50992.6	-5.91
80.0	879.2	50990.59	-9.51
80.0	875.0	50989.77	-12.55
80.0	870.9	50987.35	-16.03
80.0	866.7	50982.3	-20.87
80.0	862.5	50976.25	-30.39
80.0	858.4	50969.21	-48.08
80.0	854.2	50969.65	-76.78
80.0	850.0	50991.97	-120.26
80.0	846.5	51100.47	-185.08
80.0	842.9	51388.28	-212.3
80.0	839.3	51984.61	-78.66

512 237

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
80.0	835.8	52899.91	348.44
80.0	832.2	53233.12	644.57
80.0	828.6	52929.88	486.78
80.0	825.0	52252.67	202.19
80.0	821.5	51734.84	66.1
80.0	817.9	51425.22	17.23
80.0	814.3	51264.82	2.37
80.0	810.8	51178.99	-1.19
80.0	807.2	51127.81	1.08
80.0	803.6	51095.85	1.76
80.0	800.0	51074.21	-0.44
80.0	796.2	51058.6	-0.33
80.0	792.4	51048.19	-2.23
80.0	788.5	51039.55	0.75
80.0	784.7	51033.03	-0.21
80.0	780.8	51029.17	-1.62
80.0	777.0	51028.59	0.23
80.0	773.1	51029.41	7.14
80.0	769.3	51011.74	-7.51
80.0	765.4	50999.99	-16.48
80.0	761.6	51009.5	-3.37
80.0	757.7	51009.36	-2.3
80.0	753.9	51010.15	-0.73
80.0	750.0	51009.86	0.21
80.0	746.2	51010.86	0.19
80.0	742.4	51010.88	0.39
80.0	738.5	51011.55	0.73
80.0	734.7	51012.85	-0.1
80.0	730.8	51011.83	1.58
80.0	727.0	51007.4	2.17
80.0	723.1	51006.07	1.89
80.0	719.3	51005.51	0.82
80.0	715.4	51005.84	-0.3
80.0	711.6	51006.37	-2.73
80.0	707.7	51007.71	-2.82
80.0	703.9	51011.21	-1.75
80.0	700.0	51015.04	-2.25
80.0	695.9	51017.06	-1.96
80.0	691.7	51019.55	-1.42

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
80.0	687.5	50998.64	-36.41
80.0	683.4	51017.16	-1.58
80.0	679.2	51015.14	-1.58
80.0	675.0	51013.52	-3.48
80.0	670.9	51014.79	-4.66
80.0	666.7	51017.46	-5.85
80.0	662.5	51019.44	-7.92
80.0	658.4	51026.57	-7.44
80.0	654.2	51034.22	-8.44
80.0	650.0	51043.74	-7.55
80.0	646.5	51048.86	-9.69
80.0	642.9	51048.8	-7.48
80.0	639.3	51041.16	-7.42
80.0	635.8	51035.16	-7.87
80.0	632.2	51033.28	-7.35
80.0	628.6	51031.22	-6.12
80.0	625.0	51029.04	-6.07
80.0	621.5	51026.51	-3.05
80.0	617.9	51022.14	-3.71
80.0	614.3	51019.77	-3.26
80.0	610.8	51017.18	-2.67
80.0	607.2	51016.56	-3.32
80.0	603.6	51017.13	-2.83
80.0	600.0	51016.58	-1.64
80.0	596.5	51016.73	-1.41
80.0	592.9	51018.53	-2.39
80.0	589.3	51019.28	-2.25
80.0	585.8	51021.98	-2.42
80.0	582.2	51022.61	-0.8
80.0	578.6	51024.47	-0.8
80.0	575.0	51022.95	-2.48
80.0	571.5	51023.41	-2.73
80.0	567.9	51025.25	-1.96
80.0	564.3	51027.88	-1.57
80.0	560.8	51027.24	-2.14
80.0	557.2	51026.68	-1.64
80.0	553.6	51027.39	-0.1
80.0	550.0	51027.9	-1.37
80.0	546.2	51028.24	-0.01

512 238

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
80.0	542.4	51028.73	-0.19
80.0	538.5	51027.62	-0.25
80.0	534.7	51026.69	-1.85
80.0	530.8	50982.92	-80.23
80.0	527.0	51026.03	-0.71
80.0	523.1	51025.44	-0.57
80.0	519.3	51024.93	-1.51
80.0	515.4	51026.47	-0.17
80.0	511.6	51025.75	0.64
80.0	507.7	51021.59	-4.25
80.0	503.9	51024.37	-0.26
80.0	500.0	51022.84	-2.16
80.0	496.9	51028.81	2.16
80.0	493.8	51028.73	2.82
80.0	490.7	51007.1	-32.94
80.0	487.5	51024.5	-1.35
80.0	484.4	51023.7	-1.85
80.0	481.3	51022.55	-0.73
80.0	478.2	51022.95	-0.5
80.0	475.0	51024	0.03
80.0	471.9	51022.95	-1.3
80.0	468.8	51022.88	-0.98
80.0	465.7	51024.59	-0.62
80.0	462.5	51002.78	-37.96
80.0	459.4	51025.24	-0.91
80.0	456.3	51025.07	-1.41
80.0	453.2	51026.42	-1.44
60.0	450.0	51020.09	-0.07
60.0	453.5	51020.07	-0.07
60.0	457.1	51019.77	0.08
60.0	460.7	51019.58	0
60.0	464.2	51020.62	-1.78
60.0	467.8	51025.41	0.53
60.0	471.4	51035.92	9.53
60.0	475.0	51052.28	27.5
60.0	478.5	51029.79	11.01
60.0	482.1	51006.42	-9.87
60.0	485.7	51010.52	-2.3
60.0	489.2	51016.59	2.82

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
60.0	492.8	51016.01	1.1
60.0	496.4	51016.62	0.83
60.0	500.0	50956.11	-108.76
60.0	505.0	51015.47	-0.96
60.0	510.0	51015.26	1.03
60.0	515.0	51016.47	2.28
60.0	520.0	51016.8	1.3
60.0	525.0	51016.01	0.67
60.0	530.0	51016.12	-0.55
60.0	535.0	51015.6	0.51
60.0	540.0	51014.49	-0.73
60.0	545.0	51016.49	0.57
60.0	550.0	51017.81	1.25
60.0	554.1	51018.76	1.1
60.0	558.3	51020	0.32
60.0	562.5	51020.71	1.83
60.0	566.6	51020.98	0.21
60.0	570.8	51021.75	0
60.0	575.0	51018.91	-3.07
60.0	579.1	51021.05	-0.44
60.0	583.3	51021.66	-0.92
60.0	587.5	51023.02	-0.69
60.0	591.6	51023.3	2
60.0	595.8	51023.57	0.3
60.0	600.0	51023.27	0.87
60.0	604.1	51023.77	0.64
60.0	608.3	51025.09	-0.07
60.0	612.5	51025.62	0.19
60.0	616.6	51025.91	0.66
60.0	620.8	51026.31	0.73
60.0	625.0	51024.23	-0.14
60.0	629.1	51025.27	-1.07
60.0	633.3	51025.15	-0.78
60.0	637.5	51026.8	-0.48
60.0	641.6	51027.25	-1.19
60.0	645.8	51027	-0.12
60.0	650.0	51026.09	1.08
60.0	653.8	51026.93	-0.26
60.0	657.6	51024.57	-0.05

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
60.0	661.5	51024.07	1.35
60.0	665.3	51023.56	0.96
60.0	669.2	51022.54	0.03
60.0	673.0	51019.01	-2.83
60.0	676.9	51016.5	-2.23
60.0	680.7	51016.09	-2.03
60.0	684.6	51015.84	-3.62
60.0	688.4	51015.96	-2.6
60.0	692.3	51016.57	0.67
60.0	696.1	51014.59	-0.46
60.0	700.0	51011.42	0.23
60.0	704.1	50968.9	-81.28
60.0	708.3	51013.02	-0.96
60.0	712.5	51011.58	0.64
60.0	716.6	51011.43	0.85
60.0	720.8	51010.54	0.12
60.0	725.0	51010.01	-0.42
60.0	729.1	51008.26	-0.21
60.0	733.3	51008.32	-1.1
60.0	737.5	51008.8	-0.55
60.0	741.6	51009.66	0.26
60.0	745.8	51009.55	1.37
60.0	750.0	50990.81	-32.73
60.0	754.1	51010.94	2.12
60.0	758.3	51011.27	1.07
60.0	762.5	51012.72	-0.08
60.0	766.6	50935.76	-137.21
60.0	770.8	51016.04	-0.08
60.0	775.0	51016.16	-0.6
60.0	779.1	51018.07	0.85
60.0	783.3	51021.39	0.19
60.0	787.5	51024.26	-0.37
60.0	791.6	51027.6	-0.19
60.0	795.8	51010.51	-33.17
60.0	800.0	51033.42	-0.6
60.0	804.1	51040.96	-0.98
60.0	808.3	51045.81	-2.71
60.0	812.5	51056.03	-2.89
60.0	816.6	51065.94	-2.28

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
60.0	820.8	51076.73	-1.69
60.0	825.0	51091.85	-5.66
60.0	829.1	51106.27	-9.26
60.0	833.3	51110.03	-25.83
60.0	837.5	51044.32	-150.51
60.0	841.6	51120.47	-17.41
60.0	845.8	51099.5	-38.87
60.0	850.0	51084.43	-25.66
60.0	854.1	51031.16	-76.07
60.0	858.3	51036.31	-24.08
60.0	862.5	51020.94	-20.3
60.0	866.6	51010.95	-17.91
60.0	870.8	51001.53	-17.17
60.0	875.0	50997.32	-13.58
60.0	879.1	50986.73	-26.44
60.0	883.3	50996.54	-8.94
60.0	887.5	50999.81	-5.41
60.0	891.6	51001	-5.23
60.0	895.8	50947.95	-102.71
60.0	900.0	50959.08	-83.35
60.0	904.1	51004.11	-2.26
60.0	908.3	51005.49	-2.19
60.0	912.5	51007.1	-2.16
60.0	916.6	51009.04	-1.73
60.0	920.8	51009.25	-1.75
60.0	925.0	51010.2	-0.57
60.0	929.1	51009.66	0.01
60.0	933.3	51010.16	-1.76
60.0	937.5	51011.36	0.66
60.0	941.6	51010.26	-1.39
60.0	945.8	51010.94	-1.48
60.0	950.0	51010.64	0.14
60.0	954.1	51010.99	-1.01
60.0	958.3	51011.1	0.25
60.0	962.5	51011.08	0.89
60.0	966.6	51011.83	1.46
60.0	970.8	51013.22	0.98
60.0	975.0	51013.58	-0.03
60.0	979.1	51013.05	0.69

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
60.0	983.3	51014.53	1.6
60.0	987.5	51010.87	-1.5
60.0	991.6	51010.3	-1.21
60.0	995.8	51008.45	-0.75
60.0	1000.0	51007.59	0.87
60.0	1003.8	51002.54	-0.33
60.0	1007.6	50997.47	0.42
60.0	1011.5	50993.38	0.67
60.0	1015.3	50988.21	0.58
60.0	1019.2	50973.43	-23.89
60.0	1023.0	50948.45	-73.8
60.0	1026.9	50999.78	4.69
60.0	1030.7	51009.16	5.64
60.0	1034.6	51014	4.37
60.0	1038.4	51016.82	4.14
60.0	1042.3	51017.57	2.87
60.0	1046.1	51018.57	1.67
60.0	1050.0	51018.38	1.89
60.0	1054.1	51017.61	0.98
60.0	1058.3	51017.05	2.19
60.0	1062.5	51012.56	-6.46
60.0	1066.6	51016.38	1.55
60.0	1070.8	51017.33	1.92
60.0	1075.0	51016.65	1.66
60.0	1079.1	51014.81	2.17
60.0	1083.3	51015.63	0.26
60.0	1087.5	51015.24	-0.53
60.0	1091.6	51016.32	1.35
60.0	1095.8	51016.93	1.64
60.0	1100.0	50978.48	-66
60.0	1104.5	51012.37	-4.37
60.0	1109.0	51014.09	-0.26
60.0	1113.6	51013.56	-0.91
60.0	1118.1	51014.94	-2.12
60.0	1122.7	51014.84	-1.5
60.0	1127.2	50971.76	-80.53
60.0	1131.8	51016.94	-0.57
60.0	1136.3	51016.78	0.21
60.0	1140.9	51006.92	-17.62

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
60.0	1145.4	51019.21	0.35
60.0	1150.0	51019.07	1.21
60.0	1153.8	51021.46	1.94
60.0	1157.6	51022.64	0.46
60.0	1161.5	51023.56	-0.14
60.0	1165.3	51022.63	-0.17
60.0	1169.2	51025.83	0.51
60.0	1173.0	51027.01	1.37
60.0	1176.9	51027.15	3.8
60.0	1180.7	51028.42	3.66
60.0	1184.6	51029.4	0.64
60.0	1188.4	51028.93	1.23
60.0	1192.3	51028.93	0.82
60.0	1196.1	51029.39	0.92
40.0	1200.0	51016.28	-0.82
40.0	1196.5	51010.62	-12.76
40.0	1192.9	51018	-0.96
40.0	1189.3	51018.48	-0.83
40.0	1185.8	51021.85	0.03
40.0	1182.2	51019.09	-0.44
40.0	1178.6	51017.93	57.73
40.0	1175.0	51017.55	1.08
40.0	1171.5	51016.84	0.53
40.0	1167.9	51015.09	-1.83
40.0	1164.3	51014.98	-0.3
40.0	1160.8	51011.53	0.07
40.0	1157.2	51006.99	-0.35
40.0	1153.6	51004.4	-0.78
40.0	1150.0	51004.78	0.58
40.0	1145.9	51002.09	-0.76
40.0	1141.7	50998.6	-0.91
40.0	1137.5	50995.01	-0.42
40.0	1133.4	50992.92	1.41
40.0	1129.2	50992.1	-0.51
40.0	1125.0	50991.93	-0.89
40.0	1120.9	50991.31	-1.69
40.0	1116.7	50973.77	-34.78
40.0	1112.5	50991.13	-1.33
40.0	1108.4	50932.79	-104.53

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
40.0	1104.2	50990.3	-2.78
40.0	1100.0	50992.92	-2.57
40.0	1095.9	50995.39	-2.5
40.0	1091.7	50996.74	-3.05
40.0	1087.5	50997.39	-1.98
40.0	1083.4	50998.94	-0.87
40.0	1079.2	51000.11	-0.48
40.0	1075.0	50998.56	-1.39
40.0	1070.9	50998.55	-2.44
40.0	1066.7	50997.28	-2.6
40.0	1062.5	50998.41	0.39
40.0	1058.4	50967.43	-53.03
40.0	1054.2	50993.99	0.1
40.0	1050.0	50991.41	-1.51
40.0	1045.9	50989.76	-2.01
40.0	1041.7	50989.04	-5.16
40.0	1037.5	50988.05	-3.3
40.0	1033.4	50987.96	-6.39
40.0	1029.2	50988.67	-6.28
40.0	1025.0	50991.52	-5.3
40.0	1020.9	50993.05	-7.55
40.0	1016.7	50995.27	-7.83
40.0	1012.5	50998.7	-7.39
40.0	1008.4	50930.11	-134.73
40.0	1004.2	50959.81	-84.44
40.0	1000.0	51004.68	-6.16
40.0	996.5	51005.82	-6.21
40.0	992.9	51006.87	-5.17
40.0	989.3	51006.35	-2.73
40.0	985.8	51004.43	-3.78
40.0	982.2	51001.69	-2.39
40.0	978.6	50998.93	-1.67
40.0	975.0	50997.71	-2.5
40.0	971.5	50998.41	-1.96
40.0	967.9	50997.19	-0.07
40.0	964.3	50995.55	-1.75
40.0	960.8	50988.77	0.69
40.0	957.2	50983.81	1.71
40.0	953.6	50978.01	0.42

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
40.0	950.0	50975.47	-1.01
40.0	946.2	50976.42	-5.3
40.0	942.4	50977.08	-7.25
40.0	938.5	50980.13	-6.98
40.0	934.7	50987.99	-7.12
40.0	930.8	50992.86	-6.71
40.0	927.0	50997.44	-6.41
40.0	923.1	51001.13	-7.32
40.0	919.3	51000.78	-5.82
40.0	915.4	50999.56	-3.75
40.0	911.6	51000.14	-1.83
40.0	907.7	50997.89	-3.73
40.0	903.9	50998.64	-2.67
40.0	900.0	51001.22	-2.03
40.0	896.5	51002.71	-4.01
40.0	892.9	50999.99	-5.21
40.0	889.3	51003.22	-3.76
40.0	885.8	51002.15	-1.73
40.0	882.2	51002.15	-4.41
40.0	878.6	51003.49	-5.12
40.0	875.0	51003.13	-5.32
40.0	871.5	51004.19	-4.91
40.0	867.9	51004.77	-2.37
40.0	864.3	51004.06	-3.69
40.0	860.8	51005.69	-5.51
40.0	857.2	51006.29	-5.76
40.0	853.6	51010.14	-5.33
40.0	850.0	51011.64	-7.71
40.0	845.9	51012.98	-6.71
40.0	841.7	51014.78	-5.64
40.0	837.5	51018.07	-6.16
40.0	833.4	51020.83	-6.73
40.0	829.2	51022.99	-6.53
40.0	825.0	51023.28	-5.64
40.0	820.9	51023.26	-4.19
40.0	816.7	51021.73	-2.91
40.0	812.5	51019.41	-1.39
40.0	808.4	51016.27	-2.94
40.0	804.2	51015.13	-3.8

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
40.0	800.0	51011.19	-2.62
40.0	795.9	50999.17	-16.6
40.0	791.7	51007.32	-1.53
40.0	787.5	51004.92	-4.12
40.0	783.4	51004.28	-4.58
40.0	779.2	51004.3	-2.62
40.0	775.0	50963.87	-69.07
40.0	770.9	50997.69	-2.89
40.0	766.7	50994.53	-2.85
40.0	762.5	50992.67	-2.14
40.0	758.4	50991.63	-2.35
40.0	754.2	50989.35	-3.73
40.0	750.0	50987.06	-2.69
40.0	746.2	50985.58	-1.55
40.0	742.4	50985.46	-2.53
40.0	738.5	50985.92	-3.66
40.0	734.7	50984.95	-3.66
40.0	730.8	50984.73	-4.26
40.0	727.0	50987.09	-4.62
40.0	723.1	50986.9	-3.28
40.0	719.3	50986.99	-1.83
40.0	715.4	50988.44	-4.19
40.0	711.6	50989.81	-4.66
40.0	707.7	50991.58	-3
40.0	703.9	50993.45	-3.5
40.0	700.0	50993.21	-2.25
40.0	696.7	50992.86	-3.16
40.0	693.4	50993.17	-4.71
40.0	690.0	50992.08	-3.92
40.0	686.7	50971.46	-38.28
40.0	683.4	50988.54	-6.71
40.0	680.0	50991.37	-5.53
40.0	676.7	50994.93	-5.37
40.0	673.4	51001.16	-2.48
40.0	670.0	51003.71	-4.6
40.0	666.7	51003.72	-6.57
40.0	663.4	51006.56	-6.33
40.0	660.0	51006.47	-6.91
40.0	656.7	51008.65	-6.19

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
40.0	653.4	51010.03	-5.17
40.0	650.0	51009.96	-4.5
40.0	646.9	51011.86	-3.53
40.0	643.8	51011.56	-5.17
40.0	640.7	51017.61	-7.01
40.0	637.5	51014.78	-3.19
40.0	634.4	51015.56	-1.08
40.0	631.3	51015.28	-3.23
40.0	628.2	51016.63	-3.98
40.0	625.0	51015.23	-2.73
40.0	621.9	51013.86	-2.62
40.0	618.8	51010.52	-3.92
40.0	615.7	51013.2	-2.17
40.0	612.5	51011.18	0.07
40.0	609.4	51009.87	-3.76
40.0	606.3	51009.48	-4.76
40.0	603.2	50954.56	-104.25
40.0	600.0	51012.01	-1.69
40.0	597.1	51009.21	-2.82
40.0	594.2	51010.18	-1.78
40.0	591.2	51010.37	-2.87
40.0	588.3	51008.96	-1.71
40.0	585.3	51008.34	-1.69
40.0	582.4	51007.03	-0.78
40.0	579.5	51007.92	0.76
40.0	576.5	50992.34	-27.82
40.0	573.6	50935.81	-127.83
40.0	570.6	50943.32	-112.67
40.0	567.7	51004.4	-1.55
40.0	564.8	51001.66	-1.35
40.0	561.8	50947.03	-104.14
40.0	558.9	51002.86	0.6
40.0	555.9	50990.74	-24.32
40.0	553.0	50955.17	-82.46
40.0	550.0	51000.9	-0.25
40.0	546.7	50993.16	-3.26
40.0	543.4	50990	-3.41
40.0	540.0	50989.55	-2.35
40.0	536.7	50987.51	0.85

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
40.0	533.4	50986.63	0.82
40.0	530.0	50986.91	-0.83
40.0	526.7	50986.63	-0.78
40.0	523.4	50984.75	-0.32
40.0	520.0	50982.09	-1.51
40.0	516.7	50983.47	-1.98
40.0	513.4	50984.81	-0.69
40.0	510.0	50990.08	-3.33
40.0	506.7	50981.38	-3.14
40.0	503.4	50992.57	-2.55
40.0	500.0	50974.4	-39.75
40.0	495.9	51012.39	23.33
40.0	491.7	50995.93	2.78
40.0	487.5	50988.72	-2.33
40.0	483.4	50989.07	-3.71
40.0	479.2	50988.25	-2.92
40.0	475.0	50988.67	-1.82
40.0	470.9	50987.24	-3.37
40.0	466.7	50986.69	-3.53
40.0	462.5	50986.7	-1.85
40.0	458.4	50986.48	-3.21
40.0	454.2	50986.18	-4.33
40.0	450.0	50989.39	-5.89
40.0	446.5	50990.92	-4.03
40.0	442.9	50988.51	-8.48
40.0	439.3	50992.01	-5.33
40.0	435.8	50993.24	-4.03
40.0	432.2	50994.74	-4.32
40.0	428.6	50992.71	-4.92
40.0	425.0	50993.26	-5.8
40.0	421.5	50993.2	-4.08
40.0	417.9	50995.49	-6.75
40.0	414.3	50997.48	-6.42
40.0	410.8	50996.89	-5.58
40.0	407.2	50995.51	-4.92
40.0	403.6	50997.77	-4.82
40.0	400.0	50998.27	-4.48
40.0	396.2	50995.2	-9.91
40.0	392.4	50996.44	-6.89

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
40.0	388.5	50999.55	-4.23
40.0	384.7	51001.28	-4.44
40.0	380.8	50992.97	-19.98
40.0	377.0	50943.09	-107.51
40.0	373.1	51000.69	-2.87
40.0	369.3	50997.52	-1.41
40.0	365.4	50995.66	-3.73
40.0	361.6	50994.9	-4.83
40.0	357.7	50934.78	-114.85
40.0	353.9	50997.64	-3.83
40.0	350.0	51000.37	-3.05
40.0	345.9	51000.11	-3.76
40.0	341.7	51002.05	-4.91
40.0	337.5	51002.49	-5.25
40.0	333.4	51001.36	-5.07
40.0	329.2	51001.75	-5.23
40.0	325.0	51002.52	-4.8
40.0	320.9	51003.03	-5.3
40.0	316.7	50982.35	-39.62
40.0	312.5	51001.49	-4.6
40.0	308.4	51003.13	-4.82
40.0	304.2	51005.18	-4.08
40.0	300.0	51008.46	-4.66
40.0	295.9	51007.58	-4.44
40.0	291.7	51007.28	-4.28
40.0	287.5	51005.94	-3.05
40.0	283.4	51004.47	-2.25
40.0	279.2	50979.97	-40.33
40.0	275.0	50955.75	-82.14
40.0	270.9	50996.27	-2.78
40.0	266.7	50992.47	-5.35
40.0	262.5	50993.27	-4.53
40.0	258.4	50993.35	-4.41
40.0	254.2	50993.03	-5.03
40.0	250.0	50968.38	-43.58
40.0	246.2	50991.36	-5.8
40.0	242.4	51005.31	3.78
40.0	238.5	51013.46	12.5
40.0	234.7	51000.52	-0.23

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
40.0	230.8	50992.22	-4.03
40.0	227.0	50988.4	-4.44
40.0	223.1	50988.43	-3.6
40.0	219.3	50990.05	-3.96
40.0	215.4	50989.14	-5.28
40.0	211.6	50989.02	-2.51
40.0	207.7	50984.17	-2.75
40.0	203.9	50978.65	-6.03
40.0	200.0	50975.08	-8.6
40.0	196.2	50981.59	-7.82
40.0	192.4	51030.26	45.98
40.0	188.5	51026.28	38.01
40.0	184.7	50990.32	1.39
40.0	180.8	50978.91	-6.94
40.0	177.0	50947.8	-69.03
40.0	173.1	50999.71	8.57
40.0	169.3	50997.71	4.66
40.0	165.4	50989.82	-5.12
40.0	161.6	50989.33	-6.07
40.0	157.7	50991.13	-6.03
40.0	153.9	50993.37	-5.51
40.0	150.0	50992.75	-5.69
40.0	145.9	50994.15	-7.6
40.0	141.7	50941.59	-103.89
40.0	137.5	50971.88	-52.42
40.0	133.4	50999.83	-2.89
40.0	129.2	51001.5	-3.83
40.0	125.0	51002.7	-5.32
40.0	120.9	50950.56	-97.17
40.0	116.7	51001.72	-4.71
40.0	112.5	51001.84	-2.23
40.0	108.4	51000.08	-3.94
40.0	104.2	51000.79	-4
40.0	100.0	50999.35	-2.42
40.0	96.2	50999.34	-1.5
40.0	92.4	50996.06	-1.55
40.0	88.5	50993.05	-1.57
40.0	84.7	50991.09	-3.42
40.0	80.8	50992.79	-5.6

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
40.0	77.0	50994.64	-4.76
40.0	73.1	50995.87	-3.89
40.0	69.3	50996.33	-4.85
40.0	65.4	50997.07	-5.69
40.0	61.6	50961.7	-69.3
40.0	57.7	50996.3	-6.08
40.0	53.9	50999.98	-5.98
40.0	50.0	51001.79	-6.42
40.0	46.7	50942.19	-117.51
40.0	43.4	50987.43	-39.64
40.0	40.0	51005.59	-5.75
40.0	36.7	51007.45	-8.07
40.0	33.4	51010.68	-7.17
40.0	30.0	51013.38	-8.03
40.0	26.7	51014.92	-7.76
40.0	23.4	51009.36	-18.44
40.0	20.0	51016.66	-6
40.0	16.7	51016.82	-6.75
40.0	13.4	51016.54	-7.37
40.0	10.0	51018.01	-5.82
40.0	6.7	51017.45	-4.85
40.0	3.4	50956.05	-111.12
20.0	0.0	50898.81	-16.69
20.0	2.7	50895.31	-16.71
20.0	5.5	50896.77	-15.51
20.0	8.3	50894.98	-19.37
20.0	11.1	50901.3	-20.98
20.0	13.8	50901.18	-22.01
20.0	16.6	50906.44	-17.91
20.0	19.4	50914.42	-20.08
20.0	22.2	50918.81	-18.05
20.0	25.0	50920.59	-23.16
20.0	27.7	50920.81	-23.67
20.0	30.5	50925.56	-21.71
20.0	33.3	50923.61	-21.73
20.0	36.1	50918.98	-24.3
20.0	38.8	50861.89	-118.8
20.0	41.6	50904.94	-25.69
20.0	44.4	50896.63	-24.39

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
20.0	47.2	50885.9	-23.51
20.0	50.0	50876.65	-24.3
20.0	53.8	50865.25	-21.87
20.0	57.6	50849.45	-29.08
20.0	61.5	50836.83	-32.12
20.0	65.3	50830.27	-32.05
20.0	69.2	50827.59	-30.07
20.0	73.0	50828.33	-27.66
20.0	76.9	50835.11	-24.78
20.0	80.7	50842.56	-21.66
20.0	84.6	50846.26	-22.46
20.0	88.4	50851.27	-25.08
20.0	92.3	50856.88	-21.91
20.0	96.1	50866.15	-17.67
20.0	100.0	50872.24	-16.64
20.0	103.8	50875.16	-17.3
20.0	107.6	50868.14	-18.41
20.0	111.5	50856.48	-31.16
20.0	115.3	50854.83	-34.14
20.0	119.2	50869.07	-34.07
20.0	123.0	50926.28	-16.85
20.0	126.9	51112.24	185.94
20.0	130.7	51045.32	136.23
20.0	134.6	50832.97	-96
20.0	138.4	50858.08	-43.73
20.0	142.3	50880.34	-28.5
20.0	146.1	50873.72	-38.21
20.0	150.0	50875.62	-25.32
20.0	153.8	50863.42	-26.66
20.0	157.6	50845.63	-39.33
20.0	161.5	50820.22	-51.28
20.0	165.3	50789.3	-60.07
20.0	169.2	50772.34	-61.25
20.0	173.0	50771.48	-48.62
20.0	176.9	50764.11	-51.91
20.0	180.7	50742.57	-51.14
20.0	184.6	50737.82	-48.44
20.0	188.4	50725.58	-47.83
20.0	192.3	50719.7	-48.28

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
20.0	196.1	50745.78	-39.19
20.0	200.0	50763.49	-26.92
20.0	203.5	50772.86	-23.76
20.0	207.1	50741.27	-90.76
20.0	210.7	50789.2	-26.26
20.0	214.2	50796.28	-24.35
20.0	217.8	50806.84	-24.08
20.0	221.4	50819.19	-18.16
20.0	225.0	50797.01	-84.35
20.0	228.5	50846.08	-8.96
20.0	232.1	50862.11	-6.82
20.0	235.7	50864.6	-2.67
20.0	239.2	50779.9	-160.6
20.0	242.8	50874.66	-8.58
20.0	246.4	50879.17	-9.23
20.0	250.0	50885.89	-0.32
20.0	253.8	50902.38	18
20.0	257.6	50888.8	-0.78
20.0	261.5	50884.72	-7.44
20.0	265.3	50887.72	-3.76
20.0	269.2	50887.24	-0.26
20.0	273.0	50832.02	-109.64
20.0	276.9	50888.42	-3.1
20.0	280.7	50892.26	-7.44
20.0	284.6	50892.82	-6.75
20.0	288.4	50893.09	-5.85
20.0	292.3	50894	-7.96
20.0	296.1	50844.21	-96.01
20.0	300.0	50890.56	-7.08
20.0	304.1	50894.48	-10.42
20.0	308.3	50900.42	-13.58
20.0	312.5	50912.35	-6.08
20.0	316.6	50908.91	-12.73
20.0	320.8	50899.47	-11.75
20.0	325.0	50884.04	-11.19
20.0	329.1	50876.29	-11.82
20.0	333.3	50879	-12.3
20.0	337.5	50878.98	-8.48
20.0	341.6	50874.99	-8.42

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
20.0	345.8	50874.21	-14.5
20.0	350.0	50866.17	-12.73
20.0	353.5	50840.38	-31.39
20.0	357.1	50814.32	-93.17
20.0	360.7	50844.63	-70.46
20.0	364.2	50873.84	-10.82
20.0	367.8	50863.99	-10.76
20.0	371.4	50860.31	-12.1
20.0	375.0	50845.57	-20.51
20.0	378.5	50821.75	-27.92
20.0	382.1	50802.41	-50.92
20.0	385.7	50790.16	-46.83
20.0	389.2	50645.92	-300.03
20.0	392.8	50788.59	-39.51
20.0	396.4	50793.63	-40.64
20.0	400.0	50794.39	-33.3
20.0	403.5	50793.12	-36.46
20.0	407.1	50797.78	-34.64
20.0	410.7	50806.3	-32.05
20.0	414.2	50803.26	-37.89
20.0	417.8	50794.7	-39.37
20.0	421.4	50787.05	-39.94
20.0	425.0	50782.96	-43.69
20.0	428.5	50786.23	-38.46
20.0	432.1	50812.48	-27.41
20.0	435.7	50832.11	-15.8
20.0	439.2	50771.02	-134.3
20.0	442.8	50828.78	-40.92
20.0	446.4	50844.58	-9.67
20.0	450.0	50844	-7.8
20.0	454.1	50831.24	-8.64
20.0	458.3	50814.65	-22.41
20.0	462.5	50798.31	-35.89
20.0	466.6	50795.86	-38.37
20.0	470.8	50809.53	-30.53
20.0	475.0	50813.36	-32.58
20.0	479.1	50818.26	-31.33
20.0	483.3	50822.48	-30.89
20.0	487.5	50815.27	-34.83

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
20.0	491.6	50811.99	-38.55
20.0	495.8	50807.06	-38.96
20.0	500.0	50731.39	-154.62
20.0	503.8	50771.03	-60.41
20.0	507.6	50768.4	-35.3
20.0	511.5	50742.11	-47.71
20.0	515.3	50738.67	-34.23
20.0	519.2	50747.76	-34.21
20.0	523.0	50755.5	-31.55
20.0	526.9	50724.93	-97.92
20.0	530.7	50767.77	-25.03
20.0	534.6	50728.4	-97.57
20.0	538.4	50780.87	-21.35
20.0	542.3	50790.41	-16.92
20.0	546.1	50797.55	-21.21
20.0	550.0	50805.72	-24.67
20.0	553.8	50811.6	-32.87
20.0	557.6	50819.2	-29.41
20.0	561.5	50816.84	-31.62
20.0	565.3	50811.37	-32.62
20.0	569.2	50811.79	-34.76
20.0	573.0	50745.42	-151.96
20.0	576.9	50825.23	-25.23
20.0	580.7	50830.02	-24.1
20.0	584.6	50835.17	-26.23
20.0	588.4	50838.61	-22.83
20.0	592.3	50849.55	-21.48
20.0	596.1	50858.51	-11.05
20.0	600.0	50866.97	-9.33
20.0	603.8	50866.93	-13.44
20.0	607.6	50853.97	-14.83
20.0	611.5	50838.81	-22.62
20.0	615.3	50835.7	-24.03
20.0	619.2	50822.5	-43.75
20.0	623.0	50837.86	-26.28
20.0	626.9	50843.7	-26.14
20.0	630.7	50853.23	-26.33
20.0	634.6	50816.63	-119.21
20.0	638.4	50880.63	-24.32

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
20.0	642.3	50878.04	-48.66
20.0	646.1	50879.96	-35.85
20.0	650.0	50839.69	-87.51
20.0	654.1	50851.75	-41.19
20.0	658.3	50837.07	-41.25
20.0	662.5	50833.95	-41.85
20.0	666.6	50834.85	-42.19
20.0	670.8	50831.3	-39.83
20.0	675.0	50820.66	-37.71
20.0	679.1	50780.8	-88.91
20.0	683.3	50803.39	-38.92
20.0	687.5	50801.09	-37.6
20.0	691.6	50794.01	-43.66
20.0	695.8	50785.31	-44.25
20.0	700.0	50777.94	-48.53
20.0	704.1	50778.39	-53.96
20.0	708.3	50735.37	-152.76
20.0	712.5	50816.52	-30.98
20.0	716.6	50825.45	-30.96
20.0	720.8	50832.31	-32.32
20.0	725.0	50833.26	-29.82
20.0	729.1	50834.13	-24.76
20.0	733.3	50780.02	-110.48
20.0	737.5	50814.91	-25.94
20.0	741.6	50795.52	-32.82
20.0	745.8	50780.2	-37
20.0	750.0	50772.34	-36.94
20.0	754.1	50773.52	-35.64
20.0	758.3	50761.03	-39.17
20.0	762.5	50733.85	-94.01
20.0	766.6	50773.54	-32.33
20.0	770.8	50783.21	-31
20.0	775.0	50802.85	-17.91
20.0	779.1	50807.86	-14.62
20.0	783.3	50797.63	-28.83
20.0	787.5	50766.65	-86.78
20.0	791.6	50803.7	-39.32
20.0	795.8	50826.56	-26.39
20.0	800.0	50842.89	-16.82

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
20.0	803.8	50796.82	-126.12
20.0	807.6	50863.29	-10.03
20.0	811.5	50860.68	-14.1
20.0	815.3	50868.47	-12.91
20.0	819.2	50878.84	-6.73
20.0	823.0	50887.48	-3.58
20.0	826.9	50892.08	-0.58
20.0	830.7	50882.86	-6.91
20.0	834.6	50881.85	-14.23
20.0	838.4	50883.49	-15.62
20.0	842.3	50880.82	-9.41
20.0	846.1	50883.28	-9.75
20.0	850.0	50889.95	0.1
20.0	853.8	50894.37	-7.26
20.0	857.6	50890.71	-3.17
20.0	861.5	50885.69	-13.69
20.0	865.3	50880.04	-22.94
20.0	869.2	50893.93	-25.75
20.0	873.0	50904.31	-25.33
20.0	876.9	50909.94	-18.83
20.0	880.7	50916.56	-16.6
20.0	884.6	50918.86	-4.92
20.0	888.4	50902.03	-20.05
20.0	892.3	50887.89	-32.78
20.0	896.1	50894.09	-18.03
20.0	900.0	50900.29	-16.23
20.0	904.1	50899.7	-11.19
20.0	908.3	50898.78	-17.26
20.0	912.5	50889.84	-16.3
20.0	916.6	50805.71	-158.19
20.0	920.8	50870.45	-26.89
20.0	925.0	50872.45	-24.01
20.0	929.1	50894	-21.1
20.0	933.3	50945.46	0.07
20.0	937.5	51047.35	61.46
20.0	941.6	51142.18	177.44
20.0	945.8	51066.12	156.19
20.0	950.0	50740.41	-74
20.0	953.8	50508.27	-246.19

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
20.0	957.6	50568.93	-177.5
20.0	961.5	50710.8	-54.53
20.0	965.3	50758.37	-52.21
20.0	969.2	50814	-16.91
20.0	973.0	50801.09	-63.73
20.0	976.9	50836.8	-21.03
20.0	980.7	50841.92	-20.64
20.0	984.6	50862.62	-20.71
20.0	988.4	50889.78	-17.53
20.0	992.3	50912.76	-25.03
20.0	996.1	50943.22	-19.03
20.0	1000.0	50982.79	-31.98
20.0	1004.1	51048.61	-38.03
20.0	1008.3	51103.15	-89.76
20.0	1012.5	51144.46	-66.41
20.0	1016.6	51038.69	-174.85
20.0	1020.8	50975.23	-174.19
20.0	1025.0	50897.98	-177.05
20.0	1029.1	50892.72	-66.75
20.0	1033.3	50869.34	-52.64
20.0	1037.5	50865.3	-40.37
20.0	1041.6	50870.58	-29.55
20.0	1045.8	50879.89	-18.67
20.0	1050.0	50874.43	-50.44
20.0	1053.8	50904.58	-5.6
20.0	1057.6	50902	-8.94
20.0	1061.5	50897.52	-13.78
20.0	1065.3	50899.12	-14.85
20.0	1069.2	50897.19	-15.01
20.0	1073.0	50896.78	-17.25
20.0	1076.9	50897.32	-15.17
20.0	1080.7	50905.23	-12.6
20.0	1084.6	50883.89	-58.05
20.0	1088.4	50920.16	-9.42
20.0	1092.3	50925.16	-11
20.0	1096.1	50928.61	-10.94
20.0	1100.0	50927.88	-6.33
20.0	1104.1	50913.59	-17.26
20.0	1108.3	50896.35	-21.75

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
20.0	1112.5	50884.92	-16.08
20.0	1116.6	50876.67	-11.58
20.0	1120.8	50869.44	-9.03
20.0	1125.0	50817.91	-96.32
20.0	1129.1	50863.61	-11.14
20.0	1133.3	50862.66	-11.91
20.0	1137.5	50867.12	-8.64
20.0	1141.6	50859.41	-29.46
20.0	1145.8	50877.37	-4.23
20.0	1150.0	50841.2	-84.32
20.0	1153.8	50911.74	17.42
20.0	1157.6	50902.47	0.01
20.0	1161.5	50905.95	-4.57
20.0	1165.3	50919.87	-2.58
20.0	1169.2	50934.92	1.25
20.0	1173.0	50951.91	4.6
20.0	1176.9	50958.83	-0.28
20.0	1180.7	50956	-7.25
20.0	1184.6	50958.28	-9.33
20.0	1188.4	50962.19	-4.01
20.0	1192.3	50960.41	-5.48
20.0	1196.1	50953.66	-7.76
60.0	450.0	51019.56	-1.14
60.0	446.2	51019	-1.16
60.0	442.4	51019.83	0.01
60.0	438.5	51019.95	-1.08
60.0	434.7	51021.23	-0.67
60.0	430.8	51021.5	-0.62
60.0	427.0	51020.86	-1.37
60.0	423.1	51020.43	-1.78
60.0	419.3	51019.7	-2.42
60.0	415.4	51022.37	-2.33
60.0	411.6	51022.78	-1.94
60.0	407.7	51023.76	0.21
60.0	403.9	51022.2	-0.17
60.0	400.0	51022.09	-2.12
60.0	396.2	51023.5	-1.78
60.0	392.4	51023.79	-3.66
60.0	388.5	51025.15	-5.92

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
60.0	384.7	51026.63	-8.33
60.0	380.8	51032.46	-9.5
60.0	377.0	51021.06	-77.17
60.0	373.1	51127.62	61.5
60.0	369.3	51110.37	55.21
60.0	365.4	50999.31	-35.21
60.0	361.6	50980.64	-37.19
60.0	357.7	51001.03	-14.33
60.0	353.9	51011.93	-8.14
60.0	350.0	51021.44	-6.08
60.0	345.5	51033.14	6.37
60.0	341.0	51029.5	-1.01
60.0	336.4	51028.68	-0.82
60.0	331.9	51028.44	-3.19
60.0	327.3	51030.65	-2.53
60.0	322.8	51032.08	-2.41
60.0	318.2	51031.27	-2.1
60.0	313.7	51030.92	-1.08
60.0	309.1	51030.15	-1.25
60.0	304.6	51030.74	-1.94
60.0	300.0	51031.78	-2.41
60.0	295.9	51031.88	0.73
60.0	291.7	51019.1	-20.08
60.0	287.5	51029.5	-1.25
60.0	283.4	51029.28	-1.39
60.0	279.2	51027.77	-2.37
60.0	275.0	51027.99	-2.67
60.0	270.9	51027.84	-2.82
60.0	266.7	51025.34	-3.55
60.0	262.5	51026.28	-1.51
60.0	258.4	51027.13	-0.55
60.0	254.2	51025.24	0.48
60.0	250.0	51023.77	-2.26
60.0	246.2	51018.11	-1.32
60.0	242.4	51009.08	-6.21
60.0	238.5	51001.68	-8.6
60.0	234.7	50993.59	-17.69
60.0	230.8	50996.97	-17.53
60.0	227.0	51015	-11.17

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
60.0	223.1	51042.22	1.55
60.0	219.3	51073.25	20.5
60.0	215.4	51086.02	31.16
60.0	211.6	51014.13	-66.25
60.0	207.7	51029.83	-1.41
60.0	203.9	51005.67	-7.96
60.0	200.0	50998.69	-8.32
60.0	195.5	51001.21	-8.5
60.0	191.0	51010.79	-2.57
60.0	186.4	51017.52	-1.26
60.0	181.9	51019.74	1.12
60.0	177.3	51016.55	1.12
60.0	172.8	51012.51	1.17
60.0	168.2	51009.17	-0.37
60.0	163.7	51005.36	-1.1
60.0	159.1	51004.84	-1.41
60.0	154.6	51003.4	-0.26
60.0	150.0	51004.43	-1.69
60.0	145.9	51005.37	-0.3
60.0	141.7	50944	-115.42
60.0	137.5	51010.95	-0.5
60.0	133.4	51012.61	0.01
60.0	129.2	51014.18	-2.75
60.0	125.0	51014.57	-1.23
60.0	120.9	51014.97	-1.3
60.0	116.7	51013.8	-1.87
60.0	112.5	51013.74	-2.42
60.0	108.4	51015.46	-3.03
60.0	104.2	51017.23	-3.07
60.0	100.0	51018.14	-2.1
60.0	95.9	51020.26	-4.3
60.0	91.7	51019.75	-2.32
60.0	87.5	51020.55	-2.64
60.0	83.4	51021.58	-2.6
60.0	79.2	51025.11	-2.42
60.0	75.0	51026.47	-1.39
60.0	70.9	51025.46	-3.33
60.0	66.7	51024.55	-2.51
60.0	62.5	51023.37	-3.3

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
60.0	58.4	51023.31	-3.21
60.0	54.2	51023.92	-5.1
60.0	50.0	51024.09	-5.41
60.0	46.2	51018.6	-9.82
60.0	42.4	51016.69	-12.44
60.0	38.5	51022.05	-8.01
60.0	34.7	51027.8	-6.01
60.0	30.8	51034.71	-10.67
60.0	27.0	51060.96	-3.82
60.0	23.1	51109.26	21.44
60.0	19.3	51121.52	34.03
60.0	15.4	51085.22	11.55
60.0	11.6	51061.68	3.23
60.0	7.7	51048.31	-1.58
60.0	3.9	51042.71	-3.37
80.0	0.0	51045.48	1.98
80.0	3.8	51044.76	1.12
80.0	7.6	51044.58	-2
80.0	11.5	51045.13	-0.73
80.0	15.3	51043.63	-1.17
80.0	19.2	51041.54	-2.75
80.0	23.0	51032.88	-8.25
80.0	26.9	51011.18	-22.55
80.0	30.7	50975.97	-61.08
80.0	34.6	51009.66	-44.07
80.0	38.4	51010.48	-105.83
80.0	42.3	51086.29	4.62
80.0	46.1	51014.43	-109.12
80.0	50.0	51069.43	-2.98
80.0	53.8	51060.94	-4.66
80.0	57.6	51056.51	-5
80.0	61.5	51047.66	-4.64
80.0	65.3	51039.74	-7.17
80.0	69.2	51032.7	-7.55
80.0	73.0	51029.89	-7.82
80.0	76.9	51035.5	-4.75
80.0	80.7	51046.86	1.55
80.0	84.6	51056.46	4.87
80.0	88.4	51063.62	6.44

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
80.0	92.3	51067.81	8.25
80.0	96.1	51064.81	5.17
80.0	100.0	51054.13	3.71
80.0	104.1	51037.75	-1.8
80.0	108.3	51015.55	-8.39
80.0	112.5	50971.44	-61.03
80.0	116.6	50993.29	-11.26
80.0	120.8	50993.91	-8.6
80.0	125.0	50997.97	-3.51
80.0	129.1	50998.52	-3.1
80.0	133.3	51001.45	-5.64
80.0	137.5	51007.87	-2.48
80.0	141.6	51017.67	4.66
80.0	145.8	50999.09	-32.62
80.0	150.0	51010.26	6.58
80.0	153.1	50990.5	2.3
80.0	156.2	50889.91	-124.48
80.0	159.3	50907.26	-27.66
80.0	162.5	50869.34	-45.21
80.0	165.6	50866.4	-52.14
80.0	168.7	50909.57	-36.05
80.0	171.8	50971.99	-0.57
80.0	175.0	51034.39	28.32
80.0	178.1	51092.99	53.46
80.0	181.2	51100.42	51.55
80.0	184.3	51123.66	54.35
80.0	187.5	51158.8	81.96
80.0	190.6	51153.22	79.28
80.0	193.7	51026.73	-98.37
80.0	196.8	50997.34	-43.14
80.0	200.0	50948.3	-64.23
80.0	202.3	50924.14	-76.01
80.0	204.7	50933.59	-63.76
80.0	207.1	50957.45	-28.85
80.0	209.5	50983.79	-12.46
80.0	211.9	51000.09	0.83
80.0	214.2	51015.36	11.96
80.0	216.6	51022.21	4.53
80.0	219.0	50965.13	-112.91

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
80.0	221.4	51035.35	0.08
80.0	223.8	51041.78	6.33
80.0	226.1	51007.24	-59.08
80.0	228.5	51019.79	-35.23
80.0	230.9	51037.49	0.25
80.0	233.3	50982.97	-94.17
80.0	235.7	51034.08	-0.62
80.0	238.0	51033.09	1.32
80.0	240.4	50995.79	-66.1
80.0	242.8	50983.98	-89.01
80.0	245.2	51035.32	1.08
80.0	247.6	51033.09	2.64
100.0	250.0	51036.35	-0.23
100.0	247.8	51034.58	-0.83
100.0	245.5	51037.66	-0.94
100.0	243.2	51036.8	-1.41
100.0	241.0	50976.57	-106.98
100.0	238.7	51036.05	-0.48
100.0	236.4	51011.55	-48.69
100.0	234.1	51037.86	0.05
100.0	231.9	51039.83	0.92
100.0	229.6	51038.97	1.41
100.0	227.3	51038.47	1.25
100.0	225.0	50970.57	-119.23
100.0	222.8	51038.89	0.01
100.0	220.5	51039.72	0.76
100.0	218.2	51033.34	0.83
100.0	216.0	51032.54	-1.14
100.0	213.7	51033.16	1.19
100.0	211.4	51026.47	-0.35
100.0	209.1	51029.7	1.76
100.0	206.9	51024.35	-0.96
100.0	204.6	51026.34	-4.75
100.0	202.3	51025.15	-7.62
100.0	200.0	51028.62	-5.35
100.0	196.9	51027.59	-5.94
100.0	193.8	51037.31	-3.17
100.0	190.7	51051.16	0.35
100.0	187.5	51070.33	16.55

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
100.0	184.4	51077.51	26.85
100.0	181.3	51058.03	33.05
100.0	178.2	51020.29	25.76
100.0	175.0	50949.15	-25.5
100.0	171.9	50928.07	-7.67
100.0	168.8	50906.7	-23.35
100.0	165.7	50845.6	-100.37
100.0	162.5	50836.9	-71.44
100.0	159.4	50847.59	-69.35
100.0	156.3	50879.32	-50.85
100.0	153.2	50930.33	-26.16
100.0	150.0	50980.83	-2.14
100.0	146.9	51010.54	1.66
100.0	143.8	51033.6	15.73
100.0	140.7	51029.65	9.01
100.0	137.5	51010.47	-2.01
100.0	134.4	50994.6	-10.87
100.0	131.3	50989.61	-10.78
100.0	128.2	50992.18	-9.76
100.0	125.0	50995.65	-12.37
100.0	121.9	50993.75	-16.16
100.0	118.8	50997.16	-16.16
100.0	115.7	51013.28	-12.96
100.0	112.5	51041.9	0.51
100.0	109.4	51094.46	25.69
100.0	106.3	51110.88	23.51
100.0	103.2	51141.32	36.26
100.0	100.0	51172.23	63.64
100.0	95.9	51193.43	63.01
100.0	91.7	51123.32	25.66
100.0	87.5	51084.57	16.28
100.0	83.4	51032.59	-6
100.0	79.2	50963.97	-46.3
100.0	75.0	50926.67	-68.73
100.0	70.9	50937.59	-61.17
100.0	66.7	50982.22	-51.98
100.0	62.5	51122.48	12.58
100.0	58.4	51330.91	174.26
100.0	54.2	51396.27	209.78

512 252

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
100.0	50.0	51269.66	45.57
100.0	46.5	51227.92	62.91
100.0	42.9	51089.6	-93.3
100.0	39.3	51093.86	-25.17
100.0	35.8	51083.34	-44.1
100.0	32.2	51089.03	-32.08
100.0	28.6	51130.89	26.17
100.0	25.0	51118.01	30.82
100.0	21.5	51081.95	7.19
100.0	17.9	51062.34	-0.66
100.0	14.3	51055.11	-0.89
100.0	10.8	51050.05	-2.14
100.0	7.2	51047.71	-1.46
100.0	3.6	51047.38	-0.08
120.0	0.0	51046.58	1.12
120.0	3.8	51045.62	1.25
120.0	7.6	51045.96	0.25
120.0	11.5	51047.14	-0.78
120.0	15.3	51046.9	-1.76
120.0	19.2	51047.76	-0.69
120.0	23.0	50988.41	-109.69
120.0	26.9	51040.18	-17.46
120.0	30.7	51047.35	-2.92
120.0	34.6	51050.08	-3.57
120.0	38.4	51053.21	-4.33
120.0	42.3	51054.34	-5.94
120.0	46.1	51051.65	-8.1
120.0	50.0	51047.26	-8.53
120.0	54.5	51048.16	-5.42
120.0	59.0	51051.28	-5.44
120.0	63.6	51052.2	0.12
120.0	68.1	51043.85	-5.42
120.0	72.7	51036.33	-7.26
120.0	77.2	51034.18	-5.51
120.0	81.8	51033.88	-0.91
120.0	86.3	51033.08	-1.94
120.0	90.9	51035.38	-0.69
120.0	95.4	50973.81	-118.44
120.0	100.0	51039.81	-0.35

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
120.0	103.3	51039.48	-0.96
120.0	106.6	51040.03	-1.85
120.0	110.0	51038.44	-1.03
120.0	113.3	51034.12	-3.42
120.0	116.6	51032.28	-3.39
120.0	120.0	51029.47	-1.89
120.0	123.3	51028.83	-1.51
120.0	126.6	51026.76	-1.76
120.0	130.0	51029.92	1.67
120.0	133.3	51028.64	2
120.0	136.6	51027.8	1.41
120.0	140.0	51028.86	1.41
120.0	143.3	51029.72	2.58
120.0	146.6	51037.11	5.42
120.0	150.0	51040.59	15.73
120.0	152.6	50970.52	-105.98
120.0	155.2	51031.38	10.89
120.0	157.8	51013.11	-16.46
120.0	160.5	51017.59	-1.57
120.0	163.1	51019.33	1.03
120.0	165.7	51017.82	0.41
120.0	168.4	51019.17	2.44
120.0	171.0	51022.44	-0.07
120.0	173.6	51016.2	2.07
120.0	176.3	51027.42	0.67
120.0	178.9	51034.2	4.1
120.0	181.5	51037.71	2.92
120.0	184.2	51039.42	3.05
120.0	186.8	51040.91	4.1
120.0	189.4	51041.6	3.89
120.0	192.1	51041.71	4.17
120.0	194.7	51041.86	3.03
120.0	197.3	51039.8	2.73
320.0	600.0	51045.31	-1.58
320.0	603.5	51045.67	-1.41
320.0	607.1	51046.24	-0.67
320.0	610.7	51044.63	-4.71
320.0	614.2	51042.7	-4.23
320.0	617.8	51043.24	-3.62

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
320.0	621.4	51042.94	-3.66
320.0	625.0	51042.11	-2.62
320.0	628.5	51041.54	-3.03
320.0	632.1	51041.23	-5.62
320.0	635.7	51045.07	-4.48
320.0	639.2	51046.19	-3.17
320.0	642.8	51048.49	-4.17
320.0	646.4	51050.48	-4.41
320.0	650.0	51052.8	-4.5
320.0	654.1	51057.86	-4.05
320.0	658.3	51060.51	-4.28
320.0	662.5	51063.47	-3.75
320.0	666.6	51064.83	-2.48
320.0	670.8	51041.92	-43.55
320.0	675.0	51063.02	-6.39
320.0	679.1	51061.89	-7.07
320.0	683.3	51060.39	-6.82
320.0	687.5	51056.05	-6.58
320.0	691.6	51044.77	-7.53
320.0	695.8	51032.94	-11.46
320.0	700.0	51031.6	-9.64
320.0	704.1	51031.09	-7.07
320.0	708.3	51029.7	-4.48
320.0	712.5	51019.06	-18.39
320.0	716.6	51024.44	-4.21
320.0	720.8	51024.41	-2.78
320.0	725.0	51025.31	-0.96
320.0	729.1	51026.75	-0.92
320.0	733.3	51028.28	-1.03
320.0	737.5	51029.12	-0.53
320.0	741.6	51030.26	-0.55
320.0	745.8	51032.41	-1.6
320.0	750.0	51033.65	-0.8
320.0	753.8	51034.79	0.85
320.0	757.6	50926.03	-197.78
320.0	761.5	51035.32	-0.28
320.0	765.3	51035.84	0.91
320.0	769.2	51035.76	-1.46
320.0	773.0	51036.29	1

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
320.0	776.9	51021.42	-25.3
320.0	780.7	51035.86	-1.64
320.0	784.6	50997.45	-68.55
320.0	788.4	51036.37	1.37
320.0	792.3	51036.14	0.6
320.0	796.1	51036.32	0.05
320.0	800.0	51037.17	0.35
320.0	804.5	51037	-0.44
320.0	809.0	51037.26	0.35
320.0	813.6	51037.86	0.1
320.0	818.1	50973.24	-114.92
320.0	822.7	51033.2	-3.55
320.0	827.2	51032.12	-5.01
320.0	831.8	51036.16	0.53
320.0	836.3	51038.16	1.37
320.0	840.9	51039.06	2.62
320.0	845.4	51037.99	0.53
320.0	850.0	51037.95	0.78
320.0	854.1	51037.87	0.05
320.0	858.3	51024.08	-26.08
320.0	862.5	51038.7	0.69
320.0	866.6	51039.31	0.32
320.0	870.8	51037.8	0.16
320.0	875.0	51038.27	0.08
320.0	879.1	51038.12	-0.48
320.0	883.3	51001.2	-68.08
320.0	887.5	51039.5	-0.39
320.0	891.6	51039.83	0.66
320.0	895.8	51003.56	-62.46
320.0	900.0	51038.7	-0.08
320.0	903.8	51039.42	1
320.0	907.6	51040	3.3
320.0	911.5	51040.75	1.32
320.0	915.3	51040.45	1.21
320.0	919.2	51039.95	0.71
320.0	923.0	51039.73	0.64
320.0	926.9	51039.61	1.19
320.0	930.7	51040.05	-0.01
320.0	934.6	51040.92	1.41

512 254

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
320.0	938.4	51040.61	0.26
320.0	942.3	50993.56	-82.35
320.0	946.1	51039.4	0.19
320.0	950.0	51038.26	1.14
320.0	954.1	51040.85	1.64
320.0	958.3	51025.41	-23.75
320.0	962.5	51040.43	0.23
320.0	966.6	51001.32	-68.71
320.0	970.8	51039.33	0.51
320.0	975.0	51038.03	-0.71
320.0	979.1	51039.17	-1.62
320.0	983.3	51032.5	-14.1
320.0	987.5	51039.89	0.16
320.0	991.6	51040.33	0.37
320.0	995.8	51039.61	0.23
320.0	1000.0	51038.05	0.39
320.0	1004.1	51039.6	-0.78
320.0	1008.3	51003.36	-65.14
320.0	1012.5	51039.56	0.33
320.0	1016.6	51040.92	1.01
320.0	1020.8	50986.74	-94.76
320.0	1025.0	51026.26	-22.66
320.0	1029.1	50980.17	-106.03
320.0	1033.3	51039.51	-0.92
320.0	1037.5	51040.51	0.57
320.0	1041.6	51040.48	0.87
320.0	1045.8	51039.98	-1.21
320.0	1050.0	51039.31	0.98
320.0	1054.1	51039.52	-1.6
320.0	1058.3	51040.32	0.37
320.0	1062.5	51040.07	-0.05
320.0	1066.6	51040.02	-1.05
320.0	1070.8	51041.21	-0.57
320.0	1075.0	51040.85	1.33
320.0	1079.1	51041.08	-0.16
320.0	1083.3	51041.37	0.8
320.0	1087.5	50999.47	-76.16
320.0	1091.6	51039.4	-0.89
320.0	1095.8	51037.29	0.07

Table F.2
SWMU 27/Landfill 10
Magnetic Survey Data
NAS Fort Worth JRB, Texas

Easting (feet)	Northing (feet)	Total Field Intensity (nT)	Vertical Gradient (nT/m)
320.0	1100.0	51039.35	1.14
320.0	1103.8	51039.3	-0.19
320.0	1107.6	51040.2	2.03
320.0	1111.5	51039.48	0.3
320.0	1115.3	51039.11	-1.01
320.0	1119.2	51039.6	0.35
320.0	1123.0	51040.94	-0.17
320.0	1126.9	51039.12	-1.16
320.0	1130.7	51040.77	-0.05
320.0	1134.6	51038	0.48
320.0	1138.4	51039.71	1.73
320.0	1142.3	51037.2	1.82
320.0	1146.1	51035.77	0.96
320.0	1150.0	51039	-0.16
320.0	1153.5	51040.91	2.51
320.0	1157.1	51039.27	0.44
320.0	1160.7	51039.17	-0.19
320.0	1164.2	51038.4	-1.14
320.0	1167.8	51038.6	-0.89
320.0	1171.4	51038.91	-1.03
320.0	1175.0	51039.85	1.23
320.0	1178.5	51039.29	-0.69
320.0	1182.1	50987.68	-91.14
320.0	1185.7	51038.63	0.51
320.0	1189.2	51038.62	0.41
320.0	1192.8	51039.07	0.53
320.0	1196.4	51036.5	-0.07

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE