SITE INSPECTION

FOR

TRAVIS FIELD
SAVANNAH, CHATHAM COUNTY, GEORGIA

EPA ID# GAD984307918
CERCLIS# 05843

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1. INTRODUCTION

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the Georgia Environmental Protection Division (EPD) conducted a Site Inspection at Travis Field, located in Chatham County, Georgia (EPA ID# GAD984307918, CERCLIS # 05843). The purpose of this investigation was to collect information concerning conditions at Travis Field sufficient to assess the threat posed to human health and the environment and to determine the need for additional investigation under CERCLA/SARA or other action. The investigation included a file review, a comprehensive target survey, a site reconnaissance, and a sampling event.

2. SITE DESCRIPTION AND REGULATORY HISTORY

2.1 Location and Physical Setting

The Travis Field site consists of three abandoned landfills located on the former Chatham Army Airfield. The airport is now owned and operated by the City of Savannah as the Savannah International Airport. Travis Field is located in the northwest quadrant of Chatham County, Georgia, approximately 8 miles northwest of Savannah, Georgia. All three of the sites are located off of Georgia State Route 307 which is also known as Dean Forest Road (see figure 1).

Landfill No. 1 is an inactive landfill located at LAT 32° 7' 12.65"/LONG 81° 11' 5.8", which is approximately 750 feet east of State Route 307. Landfill No. 1 is the largest of the three landfill areas and covers approximately 15 acres. The landfill was built on a former wetland and is surrounded by wetland areas. Although the site topography is rather flat, access to the site is difficult due to dense brush and trees.

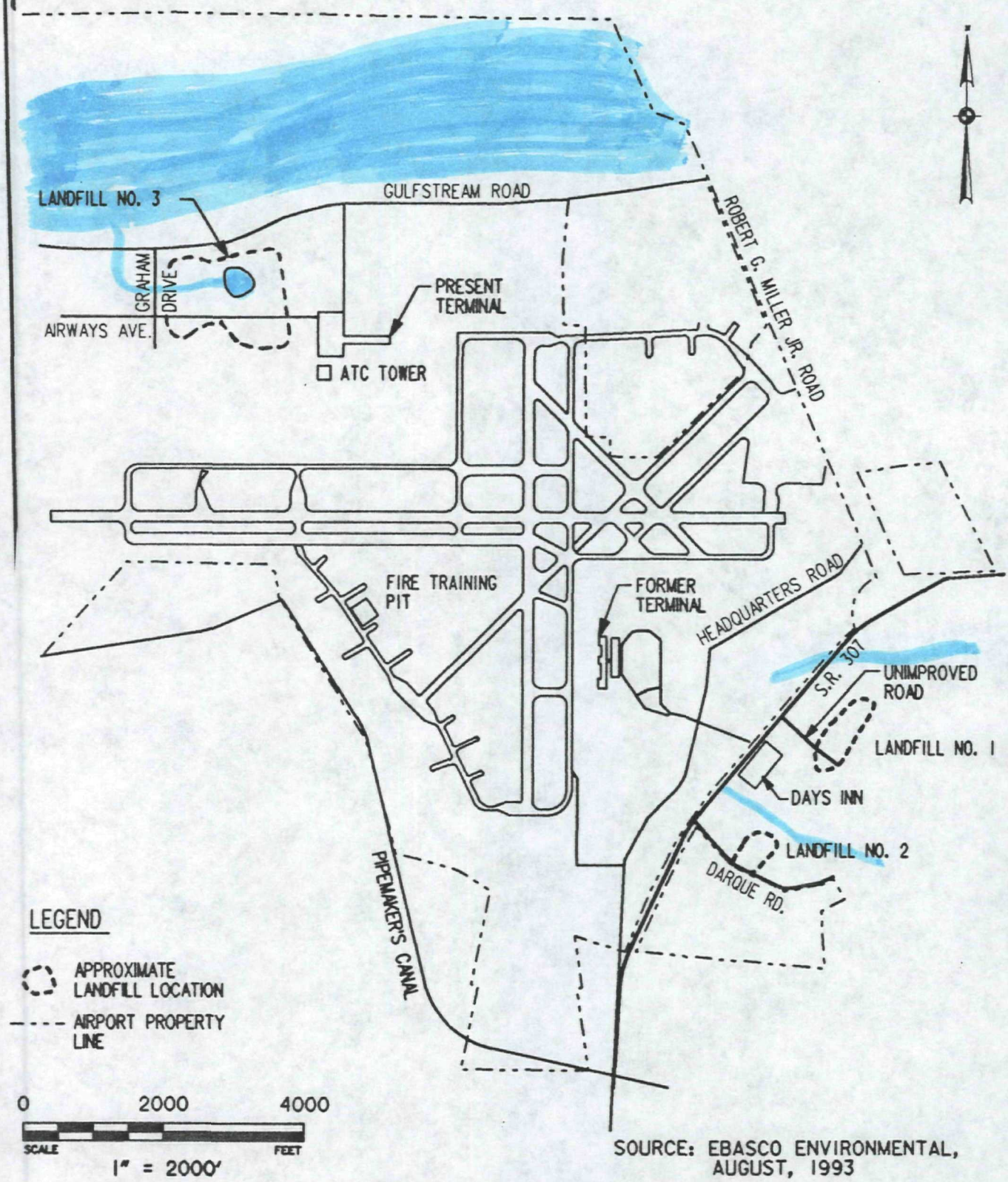
Landfill No. 2 is an inactive landfill located at LAT 32° 7' 5.17"/LONG 81° 11' 18.3". It is also located off of State Route 307 and is located southwest of landfill no. 1. The landfill covers approximately 7 acres. A drainage ditch borders the southern boundary of the landfill. An active gas station and a Georgia Air National Guard (GANG) Petroleum, Oils and Lubricant (POL) depot are located across the drainage ditch from the site. This landfill was also built on a former wetland and is heavily overgrown with vegetation making access to the site difficult.

Landfill No. 3 is an inactive landfill located at LAT 32° 8' 16.71"/LONG 81° 12' 49.65" The site is located between Gulfstream Road and Airways Road in the northwest quadrant of the Savannah International Airport. The site covers approximately 12 acres and is located approximately 1,000 feet northwest of the air traffic control tower. A large pond is located in the middle of the site. Adjacent to the pond is a large hill which may be a result from previously excavating the area that is now the pond. The site is located in a wetland habitat. St. Augustine Creek is located across Gulfstream Road from the site [Ref. 1].

Figure 1

GENERAL INFORMATION (continued)

Site Sketch: Provide a sketch of the site. Indicate all pertinent features of the site and nearby environments including sources of wastes, areas of visible and buried wastes, buildings, residences, access roads, parking areas, fences, fields, drainage patterns, water bodies, vegetation, wells, sensitive



SOURCE: EBASCO ENVIRONMENTAL, AUGUST, 1993

2.2 Previous Investigations

The Army Corps of Engineers has conducted subsurface investigations and site assessments at the site as part of the United States Army Corps of Engineer's Defense Environmental Restoration Program--Formerly Utilized Defense Sites (DERP-FUDS) Program. A phase I site investigation was conducted in 1993 by Ebasco to determine if the three landfills had contaminated the soil and groundwater from past Department of Defense activities [Ref.1].

A supplemental site investigation was conducted in 1995 to gather additional information and data in regards to the contamination previously identified in 1993. Information regarding potential receptors and the surrounding areas were researched in order to evaluate the site and its associated risk to human health and the environment. The results of the supplemental site investigation were submitted to EPD in July of 1996. The investigation included conductivity and electromagnetic surveys to identify the boundaries of the landfill areas. The investigations also included the sampling and analyses of soil and groundwater [Ref. 3].

2.3 Citizen Complaints

Citizen complaints have been received by the the regional EPD office in Savannah regarding the presence of Investigation Derived Waste (IDW) drums located at the three landfill sites. The waste is being evaluated by the Corps of Engineers to determine disposal options.

3.0 OPERATIONAL HISTORY AND WASTE CHARACTERISTICS

3.1 History and Ownership Status

Between September 1, 1942, and May 8, 1944, the Army Air Force acquired 2, 462.29 acres for Travis Field. The original acquisition was for use by the Army Air Force as an emergency auxiliary landing field. The site was eventually used as a command base and training station for the Second Bomb Wing of the Army Air Corps. The airport became known as Chatham Field. Military development ceased after World War II. Most of the airfield was declared Surplus on April 3, 1947. Complete withdrawal from the War Assets Administration was approved in October 1948. A Certificate of Transfer, dated November 28, 1948, conveyed the property from the War Assets Administration to the Air Force, and the name Chatham Field was changed to Chatham Air Force Base on June 23, 1949. All property leased or owned by the Federal Government was transferred to the City of Savannah for use as a civilian airport on July 5, 1950. Since 1950, the property that included landfills no.1 and no. 2 was sold to private sector interests, and this property is currently owned by Norfolk Southern Railway Company. Landfill no. 3 is still on Savannah International Airport property.

At landfill no. 1, documented disposed material included construction material/debris, appliance parts, pole timbers, shingles (suspected asbestos-containing materials (ACM)), and unlabelled drums of unknown content [Ref. 1]. The landfill materials were not identified during the on-site reconnaissance, however most of the site could not be accessed due to the overgrown vegetation.

At landfill no. 2, numerous 55-gallon drums were noted by the consultants for the Corps of Engineers. The drums had labels identifying the drum contents as lube oil, used JP-4, and solvents. In addition, landfill no. 2 contained spent oil filters, paint cans, suspected ACM shingles, parts cleaning equipment, and construction materials [Ref.1]. During the on-site reconnaissance, various household waste and paint cans were identified. Again, the entire site could not be accessed due to the overgrown vegetation [Ref. 2, 21].

At landfill no. 3, documented debris included numerous drums, paint cans, oil filters, cleaning solvent containers, 5-gallon plastic cans, metal debris, suspected ACM shingles, and appliance parts. During the on-site reconnaissance, a few drums were identified in different locations at the site [Ref. 2]. Also, a low lying area, which is located next to the large pond and adjacent to the large hill, was identified which contained various solid waste including paint cans, drums, car parts, and rusted metal debris [Ref. 1].

Removal activities have not taken place at any of the landfill sites. The investigation derived wastes (IDW) are currently located in drums on site [Ref. 2, 21].

3.2 Previous Sampling

Sampling has been conducted by consultants in 1993 and 1995 for the Corps of Engineers in the past. Soil, groundwater, and surface water samples have been collected and analyzed for suspected contaminants. The analytical results have been submitted to EPD [Ref. 1, 3, and 6].

4.0 GROUNDWATER

4.1 Geologic and Hydrogeologic Setting

Travis Field is located in the Coastal Plain of Georgia. The Coastal Plain is composed of a wedge-shaped block of stratified sediments that rests upon a pre-Cretaceous basement complex of Mesozoic and Paleozoic sediments, igneous, and metamorphic rocks. The formations underlying the Coastal Plain consist of unconsolidated sand and clay, limestone, and dolomite. The Coastal Plain formations generally strike northeast-southwest and dip to the southeast. In Chatham County, the limestones become progressively sandier to the northeast, finally grading into sand in southeastern Beaufort County, South Carolina [Ref. 4]. The limestone in the Savannah area is called the Suwannee Limestone. It is a cream to tan, crystalline, highly vuggy limestone and is approximately 100 feet thick. Underneath the Suwanee Limestone is the Ocala Limestone. A stratigraphic column of the specific formations in the Travis Field area has been included in Appendix E.

Water in all the Coastal Plain aquifers is present primarily in intergranular pore spaces between sand grains and secondarily in solution cavities in carbonate rocks. In the Travis Field area, the surficial aquifer system consists of the Satilla Formation, the Cypresshead Formation, and the Coosawhatchie Formation of the Hawthorn Group (stratigraphic column is located in the appendix). A dense phosphatic silty clay of the Coosawhatchie acts as a basal confining unit. Generally, the surficial aquifer system is under unconfined or water-table conditions. Locally, thin beds of clay create confined or semi-confined conditions. Water in the aquifer system flows

east to the coast, and the water level near the coast is influenced by tidal changes. The thickness of the aquifer in the Travis Field area is about 170 feet [Ref. 5].

The Miocene aquifer system in the site area underlies the surficial aquifer system and conists of the poorly sorted, fine- to coarse-grained, slightly phosphatic and dolomitic quartz sand of the Markshead Formation of the Hawthorn Group. The Miocene aquifer system is under confined conditions and is recharged where Miocene sediments outcrop northwest of the Travis Field area. The thickness of the aquifer ranges from about 20 to 150 feet, and it is approximately 80 feet in the Travis Field area [Ref. 5].

Beneath the Miocene aquifer system is the Upper Floridian aquifer. The Upper Floridian aquifer consists of a thick sequence of carbonate rocks belonging to the Suwanee and Ocala Limestone. Depth to the top of the Upper Floridian aquifer in the Travis Field area is about 250 feet. The dense dolomitic limestone of the Ocala Limestone acts as a semi-confining basal unit. The aquifer is under confined conditions and is recharged northwest and west of the coastal area of Georgia. Water levels in this aquifer respond to seasonal climatic changes, and in the Savannah area groundwater flows toward the pumping center created by water withdrawal from City of Savannah wells. The thickness of the Upper Floridian aquifer ranges from 200 to 700 feet, and it is approximately 250 feet thick in the Savannah area.

In Chatham County, wells yield 10 to 40 gpm, and the aquifer has an estimated hydraulic conductivity of 2 to 65 feet per day and a transmissivity of 14 to 1,100 square feet per day in the unconfined water-bearing zone, and a hydraulic conductivity of 40 to 400 feet per day and a transmissivity of 150 to 6,000 square feet per day in the lower semi-confined water-bearing zone [Ref. 5].

4.2 Groundwater Use

The residents of the 4 mile area surrounding the three landfills utilize groundwater extracted from private wells, municipal wells, City of Savannah wells, Garden City wells, and Port Wentworth wells. There are 3 City of Savannah wells, #17, #18, and #19, located at Travis Field. The wells are all drilled into the confined aquifer and are drilled greater than 600 feet below ground surface. Wells #17 and #19 are cased down to 274 feet and 280 feet, respectively. The casing depth of well #18 is not known [Ref. 8]. Due to the fact that groundwater is extracted from the confined aquifer, the well-head protection area for each well is 100 feet [Ref. 9]. See Appendix A for water well information.

Landfills no. 1 and no. 2

Due to the close distance between Landfills no.1 and no. 2, drinking water receptors have been investigated from a latitude and longitude coordinate (LAT 32° 7' 9"/LONG 81° 11' 12.51") which is located halfway between the two individual landfills. The closest known well to the site is the # 17 City of Savannah well at Travis Field which is located approximately one half mile from the site. The well is drilled down to 652 feet below land surface and is cased down 274 feet [Ref. 8].

The census data indicates that there are residents located within 0.25-.5 mile of the site who utilize groundwater from both private and public drinking water wells [Ref. 10].

Landfill no. 3

The closest known active well to landfill no. 3 is the #19 City of Savannah well at Travis Field. The well is located approximately 1.5 miles to the northwest of the landfill. The well is drilled down to 660 feet and is cased 280 feet [Ref. 8].

The census data indicates that there are residents located within 0.5 and 1 mile of landfill no. 3 who utilize groundwater from both private and public drinking water wells [Ref. 10].

The drinking water receptor survey was conducted using 1990 data from the U.S. Census Bureau. It is important to note that there is an anomaly in the data used for the receptor survey pertaining to landfill no. 1 and landfill no. 2. There is a prison located north-northeast of the two landfills. The population of the prisoners is included in the total population for the target area, however the prison is not expressed in the Census data in housing units. This anomaly results in a high average persons per household (example: the 0.5 to 1 mile radius indicates 10.9 persons per household). The anomaly has been compensated for by calculating the average population per household per block group and then multiplying that number by the average household per block. This calculation, therefore, makes the data more representative of the actual population conditions within the radii. A population graphic has been included in Appendix B [Ref. 10].

4.3 Previous Groundwater Sampling Results

Analytical data from 1993 identified arsenic, chromium, lead, mercury, methylene chloride, and zinc in the groundwater. Methylene chloride detected in the groundwater may be attributed to laboratory contamination due to the detection in only one sample and also the low concentration (2 ppb). Lead and chromium were the only contaminants identified with concentrations greater than the federal safe drinking water maximum contaminant levels (MCLs). Lead was detected in five of the groundwater samples with concentrations ranging from 17.8 to 29.3 ppb. The MCL for lead is 15 ppb. Only one groundwater sample had a chromium concentration greater than the MCL. The chromium concentration was 118 ppb and the MCL is 100 ppb [Ref. 6].

In September of 1995, acetone, arsenic, beryllium, carbon disulfide, chromium, lead, mercury, and zinc were detected in the groundwater at the three landfills. Beryllium (8.3 ppb) and lead (40 and 34 ppb) were detected in the groundwater at landfill no. 1 with concentrations greater than the MCLs (4 ppb and 15 ppb, respectively). Lead was detected in the groundwater at landfill no. 2 with a concentration of 19 ppb and 20 ppb. Lead was also detected in the groundwater at landfill no. 3 with a concentration of 29 ppb [Ref. 3].

A monitoring well was installed and designated as an upgradient well for landfill no. 1 in 1992, however due to a groundwater divide and bi-lateral flow, the well may not be representative of background concentrations. Chromium and zinc were detected in the 1995 background well and the previously designated background well [Ref. 3]. The following table summarizes groundwater contamination identified at the landfills.

Summary of Total Groundwater Contamination Identified at the Landfills

Contaminant in Groundwater	Maximum Concentration (ppb)	Drinking Water MCL (ppb)
Acetone	170	N/A
Arsenic	19.7	50
Beryllium	**8.3**	1
Carbon disulfide	83	N/A
Chromium	**118**	100
Lead	**40**	15
Mercury	0.52	2
Methylene Chloride	2	N/A
Zinc	120	N/A

*Shaded areas indicate contaminant concentrations in groundwater that are greater than the federal safe drinking water MCL.

4.4 Groundwater Pathway Evaluation

Due to the detection of hazardous substances in the groundwater, the groundwater pathway is a concern. Although drinking water wells have not been adversely impacted to date, the potential for well contamination at the site does exist. The nearest drinking water well is located between one quarter to one half mile from the site.

5.0 SURFACE WATER

5.1 Hydrology

According to the flood insurance rate maps from the Federal Emergency Management Agency, all three of the former landfills are located within 100-year floodplains [Ref. 11, 12, 15, 16, 17].

Landfill no. 1

The overland distance to the probable point of entry to surface water, Pipe Makers Canal, is approximately 2000 feet. From the point of entry, Pipe Makers Canal extends eastward for approximately 9000 feet. It does not connect with the Savannah River.

Landfill 2

The overland distance to the probable point of entry to surface water, which is also Pipe Makers Canal, is approximately 1800 feet. Pipe Makers Canal extends eastward for approximately 9000 feet.

Landfill no. 3

Landfill no. 3 contains an on-site pond which is the probable point of entry to surface water. There is a drainage ditch which exits the pond and runs under Graham Road via a storm sewer connection.

Water then flows under Gulfstream Road via a storm sewer connection entering into St. Augustine Creek. St Augustine Creek connects to the Front River which then connects with the Savannah River [Ref. 13, 14]. See figure 2 for a 15 mile surface water downstream pathway.

5.2 Surface Water as Drinking Water Resource

The surface water bodies located at the three landfill sites are not used for drinking water supplies.

According to a conversation with Harry Jue, water superintendent for the City of Savannah, the closest surface water intake is 8 miles away from the site in Effingham County [Ref. 7]. The surface water intake is located within 15 miles of the site, however the intake is not downstream of the site.

5.3 Presence of Fisheries

A large pond is located in the center of landfill no. 3. According to the definition of a fishery, it would be a primary fishery. According to Bob Parker of the Airport Security Commission, the pond contains a great deal of fish however people do not fish in the pond [Ref. 22]. The pond is on private property and is located in the woods of landfill no. 3. An alligator was sited in the pond during the on-site visit [Ref. 21]. See Appendix G for photographs.

St. Augustine Creek is a very large creek located across Gulfstream Road from landfill no. 3. The overland distance to the creek is approximately 150 to 200 feet from the site. The creek is a secondary fishery. Mr. Parker stated that occasionally people are caught fishing in the creek and are told to leave the property [Ref. 22]. An airport vehicle maintenance shop is located across the street from the creek therefore any trespassers can easily be noticed. Two alligators were sited in the creek during the on-site visit [Ref. 21]. St. Augustine Creek, encountered off of the airport property, is a secondary fishery along with the Savannah River.

The definition of a fishery according to the Site Inspection Guidance Manual (Sept. 1992) is "an area of a surface water body from which food chain organisms are taken or 'could be taken' for human consumption on a subsistence, recreational, or commercial basis".

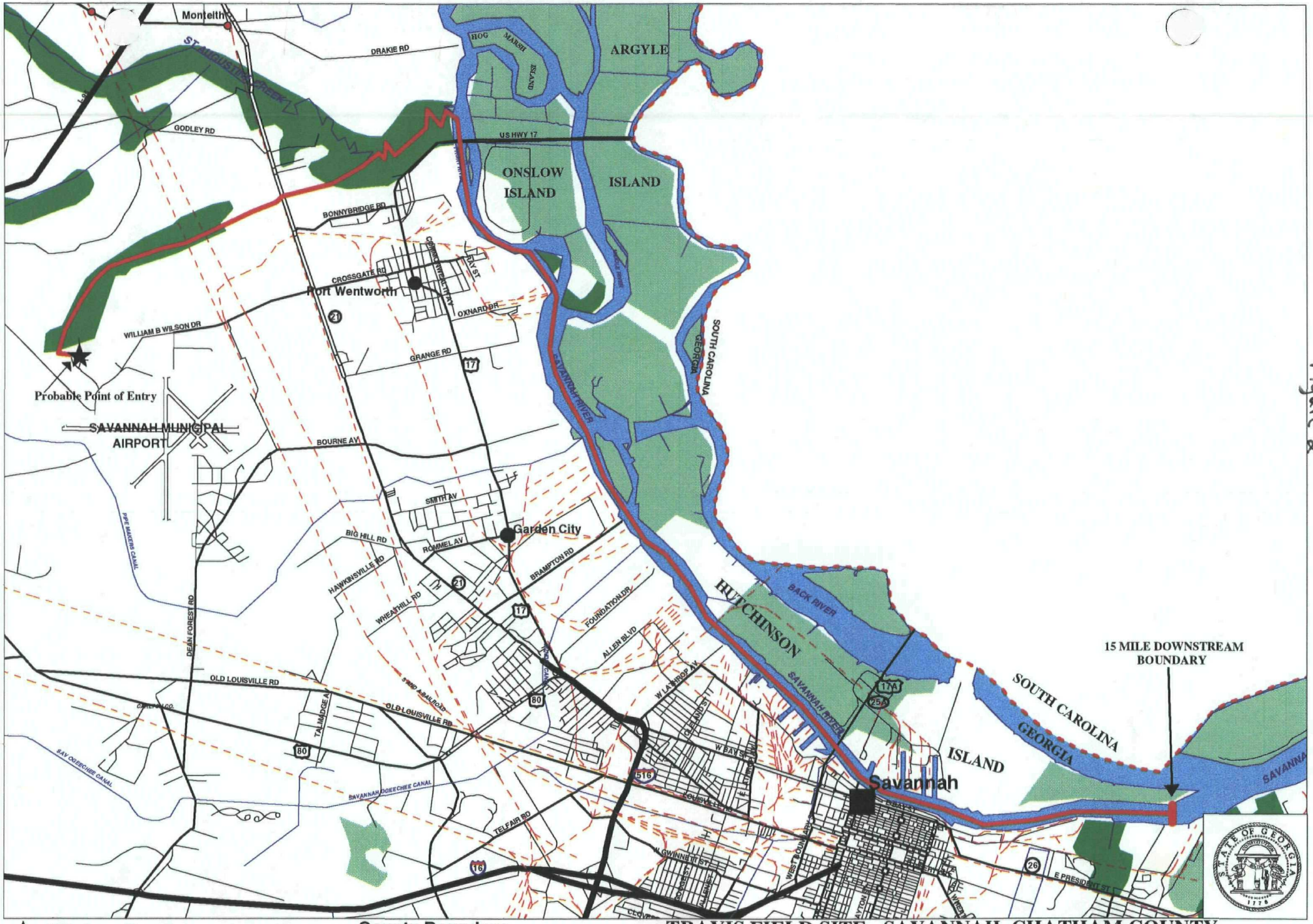


Figure 2

★ Site Location
Forested Wetland
Non-Forested Wetland
Surface Water Pathway
County Boundary
Hydrology
City/Town
Unincorporated Town

TRAVIS FIELD SITE - SAVANNAH, CHATHAM COUNTY
15 MILE SURFACE WATER DOWNSTREAM PATHWAY

Source: 1990 Census (TIGER), 1978 US EPA (GIRAS Landuse)
3/25/97
Scale = 1:76,665

5.4 Sensitive Environments

The three landfills are located in wetland areas. Landfills no. 1 and no. 2 are in a wetland. According to the National Wetlands Inventory Map for Garden City, the associated wetlands are Palustrine, Forested, Broad-Leaved Deciduous, Needle-Leaved Evergreen, Non-Tidal, and Temporary Flooded (PFO1/4A) [Ref. 16]. Highlight A-9 of the Hazard Ranking System Guidance Manual, 1992, documents that forested wetlands meet the wetland definition of 40 CFR 230.3.

Landfill no. 3 has two wetland areas located on the western side of the site. One of the wetlands is also a forested wetland (PFO1C). The description of the wetland is the same as the one referenced above except that it is seasonally flooded. The other wetland is Palustrine, Emergent, Persistent, and Seasonally-flooded (PEM1C) [Ref. 15]. Emergent wetlands also meet the definition of 40 CFR 230.3 according to the Hazard Ranking System Guidance Manual. Wetlands are also located along the entire in-stream water segment from St. Augustine Creek to the Savannah River. An estimated frontage length of wetlands on surface water would be 30 miles. National Wetlands Inventory maps are included in the back of the report.

The Savannah National Wildlife Refuge is located downgradient of the site, on the other side of the Savannah River. Federally protected threatened and endangered species inhabiting Chatham County include the shortnose sturgeon, loggerhead turtle, the eastern indigo snake, and the american alligator. The american alligator is a federally protected threatened animal based on the similar appearance to the crocodile which is a rare animal [Ref. 19, 20, 23, 24, 25]. See Appendix F for data from the Georgia Natural Heritage Program.

An alligator was sited in the pond on landfill no. 3 and two alligators were sited in St. Augustine Creek. Numerous waterfowl were also sited in St. Augustine Creek [Ref.21]..

5.5 Previous Surface Water Sampling Results

Previous sampling results indicated a release to surface water occurring at landfills no.1 and no. 2. The on-site pond located at landfill no. 3 had not been sampled prior to conducting the site inspection. See Appendix D for sample locations and contaminant concentrations.

Landfill no. 1

Three surface water samples were collected from landfill no. 1. The sample collected downgradient of the landfill had detectable concentrations of lead (14 ppb) and zinc (160 ppb) [Ref. 3]. The applicable in-stream standards for lead and zinc are based on hardness analyses [Ref. 18]. Although hardness analyses were not performed on the samples, the detected lead concentration exceeds all of the in-stream lead standards with the least stringent concentration being 7.7 ppb. The detected zinc concentration exceeds two of the three zinc standards. The least stringent zinc standard is 190 ppb for hardness concentrations ranging up to 199 mg/ L.

A sediment sample was also collected and analyzed from each location where a surface water sample had been collected. Chromium, lead, mercury, and zinc were detected in the samples. Chromium was detected at two locations with concentrations of 2.6 ppm and 3 ppm. Lead was detected in all three of the samples with concentrations ranging from 5.6 ppm to 18 ppm. Mercury was detected in one sample with a concentration of .021 ppm. Zinc was detected in two samples with concentrations of 10 ppm [Ref. 3].

Landfill no.2

Two surface water samples were collected from drainage ditches located at landfill no. 2. The designated upgradient sample had detectable concentrations of bis (2-ethylhexyl) phthalate and zinc. Bis (2-ethylhexyl) phthalate was detected with a concentration of 20 ppb. Bis (2-ethylhexyl) phthalate may be attributed to laboratory contamination due to the low concentration and the presence in only one sample. The in-stream water quality standard is 5.92 ppb. Zinc was detected with a concentration of 68 ppb. This concentration exceeds the most stringent in-stream water quality standard of 60 ppb.

Landfill no. 2, like landfill no. 1, is located across a groundwater divide and therefore the designated background sample may not be representative of background conditions.

The downstream surface water sample had detectable concentrations of lead (19 ppb) and zinc (72 ppb). The lead concentration exceeds all of the in-stream water quality standards for lead. The zinc concentration exceeds the most stringent standard of 60 ppb.

Sediment samples were collected from the three areas allocated for surface water sampling. Arsenic (4.3 ppm), cadmium (2.1 ppm), chromium (22 ppm), copper (44 ppm), lead (33 ppm), silver (13 ppm), and zinc (410 ppm) were detected in the samples. Minor concentrations (<0.16 ppm) of toluene, ethylbenzene, trichloroethene, and m-xylene were also detected. Pesticides were identified with concentrations less than 0.1 ppm and bis (2-ethylhexyl) phthalate was detected with a concentration of 2.6 ppm [Ref. 3].

Landfill no. 3

Three surface water samples were collected at landfill no. 3. The three samples were collected from the drainage ditch which exits the on-site pond. The pond is located within a depression in the center of the landfill. The topography slopes downward to the west of the pond and then rises up again across the western border of the landfill. One sample, therefore, is downgradient of the pond and two of the samples are topographically upgradient of the pond. The pond had not been sampled prior to the site inspection.

The samples were analyzed for volatile organics, semi-volatile organics, pesticides, PCBs, extractable TPH, and priority pollutant metals. The samples were below the detection limits for all of the analyses.

Sediment samples were collected and analyzed from each of the locations where surface water samples had been collected. The same analyses were conducted for the sediment samples that were conducted for the surface water samples. The only constituents detected were chromium, lead, and zinc. The concentrations for chromium ranged from 5.1 ppm to 7.1 ppm. The lead concentrations ranged from 3.7 ppm to 5 ppm. The zinc concentrations ranged from 4.3 ppm to 13 ppm [Ref. 3]. The tables below summarize surface water and sediment contamination identified at the landfills.

Summary of Surface Water Contamination Identified at the Landfills

Contaminant in Surface Water	Maximum Concentration (ppb)	Ga. In-stream Water Quality Standard (ppb)
Bis (2-ethylhexyl) phthalate	**20**	5.92
Lead	**19**	1.7 - hardness < 100 mg/l 3.2 - hardness 100 < 199 mg/l 7.7 - hardness 200 + mg/l
Zinc	**160**	60 - hardness < 100 mg/l 110-hardness 100 < 199 mg/l 190-hardness 200 + mg/l

*Shaded Areas indicate surface water contaminations greater than the Georgia in-stream water quality standards

Summary of Sediment Contamination Identified at the Landfills

Contaminant in Sediment	Maximum Concentration (ppm)
Arsenic	4.3
Cadmium	2.1
Chromium	22
Copper	44
Lead	33
Mercury	0.021
Silver	13
Zinc	410

*Text includes listing of other minor contaminants identified in sediment.

5.6 Site Investigation Surface Water Sampling Results

Surface water samples were collected from landfill no. 3. One sample was collected from a pond which is located northeast of landfill no. 3. The sample location was chosen to represent background surface water concentrations.

Another sample was collected from the pond located in the center of landfill no. 3 along with a sample collected from the storm sewer connection of St. Augustine Creek. St. Augustine Creek was also sampled directly across Gulfstream Road from landfill no. 3. All of the samples were selected to investigate the possible contamination of environmental receptors.

Barium was detected at low concentrations in all of the surface water samples including the background sample. Zinc was detected in the sample collected from the pond located in the center of the landfill. See Appendix D for sample locations. The surface water and sediment contaminant concentrations are summarized in the following two tables.

Summary of SI Surface Water Results

Sample Number	Sample Media	Analytical Results (ppb)
LF3-A/6390	surface water (background surface water sample)	Barium-11
LF3-B/6392	surface water	Barium-25 Zinc-41
LF3-D1/6395	surface water	Barium-19
LF3-E/6396	surface water	Barium-15

SI Sediment Results

Sample Number	Sample Media	Analytical Results (ppm)
LF1-B/6385	sediment	Barium-39 Chromium-2.2 Copper-750 Lead-180 Zinc-7.1
LF2-A/6387	sediment	Barium-31 Chromium-5.8 Copper-2.8 Lead-12 Zinc-8.6
LF3-A1/6391	sediment (background sediment sample)	Barium-14 Chromium-20 Lead-10 Zinc-4.6
LF3-C/6393	sediment	Barium-17 Chromium-18 Lead-16 Zinc-13
LF3-D/6394	sediment	Barium-15 Chromium-6.9 Lead-5.7 Zinc-4.0
LF1-SWB/6398	sediment	Barium-19 Chromium-5.4 Copper-2.8 Lead-9.0 Zinc-20

Detected constituents in sediment samples were barium, chromium, copper, lead, and zinc. Similar concentrations of the metals were identified in all of the samples.

5.7 SI SAMPLE NUMBERS WITH CORRESPONDING LOCATIONS

Sample Number	Sample Media	Sample Location	Date	Time
LF1-A/6384	soil	Soil sample collected at a depth of 8". Sample location 20' east of asphalt road on the outside curve of the road. (Background on soil) .	2/26/97	0920
LF1-B/6385	sediment	Sediment sample collected at a depth of 8". Sample location 15' east of HP 04.	2/26/97	1045
LF1-T/6386	aqueous	Trip blank for volatiles prepared by lab.	2/24/97	1300
LF2-A/6387	sediment	Sediment sample collected at a depth of 8". Sample location 30' from former TF2 SE/SW03.	2/26/97	1215
LF2-B/6388	soil	Soil sample collected at a depth of 8". Sample location 5' inside the bend of the drainage ditch closest to the Days Inn.	2/26/97	1515
LF2-B/6389	soil	Duplicate of LF2-B	2/26/97	1515
LF3-A/6390	surface water	Surface water sample collected from the northern side of the eastern pond (Background surface water sample).	2/26/97	1555
LF3-A1/6391	sediment	Sediment sample collected at a depth of 8" from the northern side of the eastern pond (Background sediment sample).	2/26/97	1555
LF3-B/6392	surface water	Surface water sample collected from northeastern side of large pond in landfill.	2/26/97	1630
LF3-C/6393	sediment	Sediment sample collected from a depth of 8" from the northeastern side of large pond in landfill.	2/26/97	1640
LF3-D/6394	sediment	Sediment sample collected from a depth of 8". Sample location in drainage ditch and 20' north of former TF3 SE/SW02.	2/27/97	1025
LF3-D1/6395	surface water	Surface water sample collected from the storm sewer connection on St. Augustine Creek	2/27/97	1045
LF3-E/6396	surface water	Surface water sample	2/27/97	1050
LF3-F/6397	aqueous	Field blank	2/27/97	1015
LF1-SWB/6398	sediment	Sediment sample from bank of creek at LF2	2/26/97	1235

5.8 Surface Water Pathway

The surface water pathway is a definite concern when evaluating the Travis Field site. Hazardous substances have been detected in surface water and sediment samples collected from the landfills. The landfills are all located within wetland areas.

A small pond, which could be used as a fishery, is located within landfill 3. Alligators, which are a federally protected threatened animal, live in the fishery at landfill 3. Alligators also inhabit St. Augustine Creek located across Gulfstream Road from Landfill 3. The contaminants could pose a human food chain threat and an environmental threat.

6.0 SOIL EXPOSURE

There are no on-site workers or residents living within 200 feet of the three landfills. Similarly, there are no schools or day care facilities located within 200 feet of the landfills. According to the 1990 Census Bureau data, there are 17,966 people living within 4 miles of landfills no. 1 and landfill no. 2. There are 659 people living within 1 mile of landfill no. 1 and landfill no. 2. There are 13, 310 people living within 4 miles of landfill no. 3. There are 4 people living within 1 mile of landfill no. 3 [Ref. 10].

The closest building to any of the three landfills is a retail service station across a ditch from landfill no. 2. The gas station is approximately 200 feet from the edge of the landfill [Ref. 2, 3, 21]. See Appendix D for sample locations and contaminant concentrations.

6.1 Previous Soil Sampling Results

Soil samples have been collected and analyzed from the three landfill areas. Grain size analyses were performed on random soil samples collected from across the site. All but one of the soil samples exhibited mostly sand. The percentages of sand ranged from 71.2 % to 92.5 %. One soil sample was composed of mainly silt with a silt percentage of 57.9. The soil samples were collected from depths between 7 and 15 feet below land surface [Ref. 3].

The soil samples were analyzed for volatile organic compounds, semi-volatile organic compounds, TPH, pesticides/PCBs, and priority pollutant metals. Contaminants were detected by laboratory analyses [Ref. 1,3,6].

Landfill no. 1

Volatiles, one semi-volatile, metals, and pesticides were identified at landfill no. 1. Acetone (1.7 ppm), m-xylene (.015 ppm) and toluene (0.13 ppm) were identified. Indeno (1,2,3-cd) pyrene was detected with a concentration of 0.420 ppm. The maximum concentrations for metals in the soil were 25 ppm for arsenic, 0.98 ppm for beryllium, 3.9 ppm for cadmium, 21 ppm for chromium, 76 ppm for copper, 320 ppm for lead, .071 ppm for mercury, 15 ppm for nickel, 1.3 ppm for thallium and 400 ppm for zinc.

The pesticides detected at landfill no. 1 were 4-4'DDD, 4-4'DDE, and 4-4'DDT. The maximum concentrations were 20 ppm for 4-4'DDD, 16 ppm for 4-4'DDE, and 5.6 ppm for 4-4' DDT.

Landfill no. 2

Landfill no. 2 contained contamination from volatiles, pesticides, and metals. Acetone (5.8 ppm), toluene (0.15 ppm) and m-xylene (0.039 ppm) were detected. 4-4' DDD, 4-4' DDE, and 4-4' DDT were all detected with concentrations less than 0.1 ppm. The maximum concentrations of metals in the soil were 2.7 ppm for antimony, 4.3 ppm for arsenic, 32 ppm for barium, 0.43 ppm for beryllium, 0.83 ppm for cadmium, 40 ppm for chromium, 3.9 ppm for copper, 100 ppm for lead, 0.075 ppm for mercury, and 70 ppm for zinc.

Landfill no. 3

Metals were identified in the soil at landfill no. 3. The maximum concentrations for metals were 3.3 ppm for arsenic, 26.8 ppm for chromium, 4.2 ppm for copper, 10.8 ppm for lead, and 9.4 ppm for zinc [Ref. 3]. See Appenix D for sample locations. The soil contamination is summarized in the table below:

Summary of Soil Contamination

Contaminant in Soil	Maximum Concentration (ppm)
Acetone	5.8
Arsenic	25
Beryllium	0.98
Cadmium	3.9
Chromium	40
Copper	76
Indeno (1,2,3-cd) pyrene	0.42
Lead	320
Mercury	0.075
m-xylene	0.039
Toluene	0.15
Zinc	400
4-4' DDD	20
4-4' DDE	16
4-4' DDT	5.6

6.2 Site Investigation Soil Sampling Results

Soil samples were collected from two areas on landfills no. 1 and no. 2. The sampling locations were chosen with the intent of identifying background concentrations. One sample was collected from landfill no. 1 near the abandoned asphalt road. One sample was collected from an area located northeast of landfill no. 2. The sample, LF2-B/6388, was split for duplicate analyses. See Appendix D for sample locations and contaminant concentrations.

Barium, chromium, and zinc were identified in the sample collected from landfill no. 1. Barium, chromium, and zinc were also detected in the area located northeast of landfill no. 2 along with low concentrations of lead and nickel.

SI Soil Results

Sample Number	Sample Media	Analytical Results (ppm)
LF1-A/6384	soil (background soil sample)	Barium-4.3 Chromium-2.1 Zinc-7.7
LF2-B/6388	soil	Barium-32 Chromium-8.8 Lead-12 Nickel-2.2 Zinc-7.6
2-B/6389	soil (duplicate of LF2-B/6388)	Barium-31 Chromium-8.5 Lead-12 Zinc-6.3

6.3 Soil Exposure Pathway

The soil exposure pathway is of minimal concern when evaluating the site. Hazardous substances have been detected at the site, however access to the site is limited. Landfills 1 and 2 are not easily accessed due to thick, overgrown vegetation. Landfill 3 is located on the Savannah International Airport property and non-personnel entering the area are asked to leave the property.

7.0 AIR

The air pathway is not being addressed due to the type of contamination source and due to the types of contaminants associated with the site.

SUMMARY AND CONCLUSION

In summary, metals, volatiles, semi-volatiles, and pesticides have been detected at the Travis Field landfills.

When evaluating the three exposure pathways: surface water, groundwater, and soil, the surface water pathway is the greatest concern. The surface water pathway is a definite concern due to the presence of hazardous substances in wetland habitats. Also, there is a fishery located within landfill 3 and adjacent to landfill 3. Also, it is important to note that the fisheries are inhabited by alligators which are federally protected threatened animals.

The groundwater pathway is a concern due to groundwater usage within the area. The closest drinking water well is located between one quarter and one half mile from the site. Although wells have not been reported as impacted, the potential for contamination does exist.

Concentration maps have been generated for contamination identified in the groundwater/surface water (see Appendix D). The groundwater/surface water concentrations have been compared to the federal drinking water MCLs. Analytical results indicate that only five samples had concentrations greater than the MCL for lead. The highest concentration is 40 ppb which is greater than the MCL of 15 ppb. Also two samples had beryllium concentrations greater than the beryllium MCL. The highest concentration is 8.3 ppb and the MCL is 4 ppb.

The soil exposure pathway is of less concern than the surface water or groundwater pathways due to the difficult access to the site. Landfills 1 and 2 are heavily overgrown with vegetation. Landfill 3 is located on the Savannah International Airport property. The landfill is located between Gulfstream Road and Airways Avenue. People entering the area can easily be seen by airport personnel.

REFERENCES

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SITE INSPECTION WORKSHEETS

CERCLIS IDENTIFICATION NUMBER
05843

SITE LOCATION			
SITE NAME: LEGAL, COMMON, OR DESCRIPTIVE NAME OF SITE Travis Field (3 Abandoned Landfills)			
STREET ADDRESS, ROUTE, OR SPECIFIC LOCATION IDENTIFIER			
CITY Savannah	STATE GA	ZIP CODE	TELEPHONE ( )
COORDINATES: LATITUDE and LONGITUDE LF1: LAT 32° 7' 9" / LONG 81° 11' 12.51" LF3: LAT 32° 8' 16.71" / LONG 81° 12' 49.65"	TOWNSHIP, RANGE, AND SECTION Chatham County		

OWNER/OPERATOR IDENTIFICATION					
OWNER Landfills 1+2: Norfolk Southern Railway			~~OPERATOR~~ Contact: Army Corps of Engineers		
~~OWNER ADDRESS~~ Landfill 3: Savannah Airport Commission			~~OPERATOR ADDRESS~~ Contact: P.O. Box 889		
CITY Savannah			CITY Savannah		
STATE GA	ZIP CODE —	TELEPHONE (—) —	STATE GA	ZIP CODE 31402	TELEPHONE (912) 652-5945

SITE EVALUATION		
AGENCY/ORGANIZATION Georgia EPD-Haz. Waste Branch	Hazardous Sites Response Program	
INVESTIGATOR Tracy L. Heard	Environmental Specialist III	
CONTACT Tim Cash	Program Manager	
ADDRESS 205 Butler St. SE, Ste. 1462	Floyd Tower East	
CITY Atlanta	STATE Georgia	ZIP CODE 30334
TELEPHONE (404) 657-8600		

GENERAL INFORMATION

Site Description and Operational History: Provide a brief description of the site and its operational history. State the site name, owner, operator, type of facility and operations, size of property, active or inactive status, and years of waste generation. Summarize waste treatment, storage, or disposal activities that have or may have occurred at the site; note whether these activities are documented or alleged. Identify all source types and prior spills, floods, or fires. Summarize highlights of the PA and other investigations. Cite references.

The Travis Field site consists of three abandoned landfills located on the former Chatham Army Airfield. The airport is now owned and operated by the City of Savannah as the Savannah International Airport. Travis Field is located in the northwest quadrant of Chatham County, Georgia, approximately 8 miles northwest of Savannah, Georgia. All three of the sites are located off of Georgia State Route 307 (Dean Forest Road).

Landfill No. 1 is an inactive landfill located at LAT 32° 7' 12.65"/LONG 81° 11' 5.8", which is approximately 750 feet east of State Route 307. Landfill No. 1 is the largest of the three landfill areas and covers approximately 15 acres. The landfill was built on a former wetland and is surrounded by wetland areas. Although the site topography is rather flat, access to the site is difficult due to dense brush and trees.

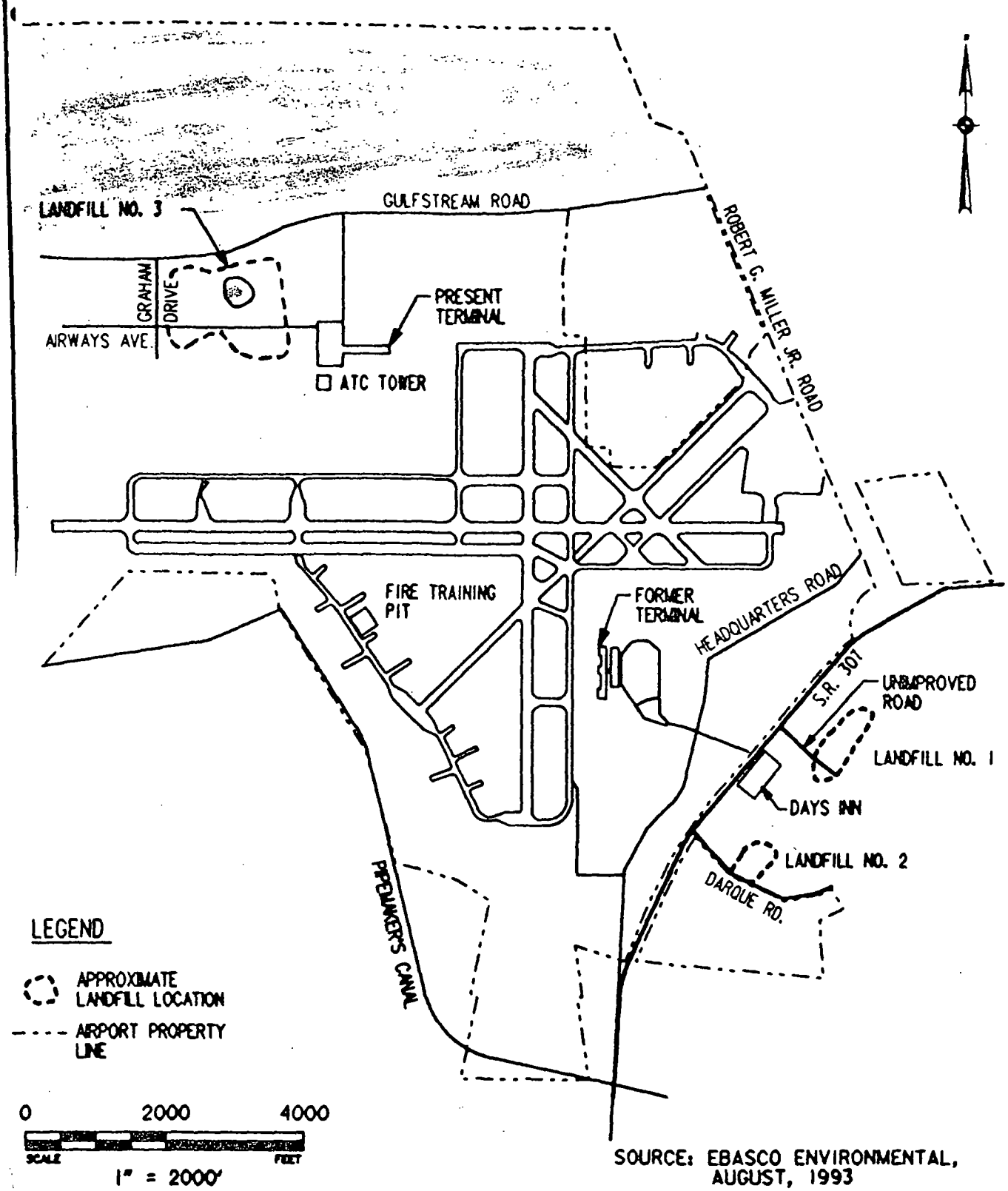
Landfill No. 2 is an inactive landfill located at LAT 32° 7' 5.17"/LONG 81° 11' 18.3". It is also located off of State Route 307 and is located southwest of landfill no. 1. The landfill covers approximately 7 acres. A drainage ditch borders the southern boundary of the site. An active gas station and a Georgia Air National Guard (GANG) Petroleum, Oils and Lubricant (POL) depot are located across the drainage ditch from the site. This landfill was also built on a former wetland and is heavily overgrown with vegetation making access to the site difficult.

Landfill No. 3 is an inactive landfill located at LAT 32° 8' 16.71"/LONG 81° 12' 49.65" The site is located between Gulfstream Road and Airways Road in the northwest quadrant of the Savannah International Airport. The site covers approximately 12 acres and is located approximately 1,000 feet northwest of the air traffic control tower. A large pond is located in the middle of the site. Adjacent to the pond is a large hill which may be a result from previously excavating the area that is now the pond. The site is located in a wetland habitat. St. Augustine

Between September 1, 1942, and May 8, 1994, the Army Air Force acquired 2, 462.29 acres for Travis Field. The original acquisition was for use by the Army Air Force as an emergency auxiliary landing field. The site was eventually used as a command base and training station for the Second Bomb Wing of the Army Air Corps. The airport became known as Chatham Field. Military development ceased after World War II. Most of the airfield was declared Surplus on April 3, 1947. Complete withdrawal from the War Assets Administration was approved in October 1948. A Certificate of Transfer, dated November 28, 1948, conveyed the property from the War Assets Administration to the Air Force, and the name Chatham Field was changed to Chatham Air Force Base on June 23, 1949. All property leased or owned by the Federal Government was transferred to the City of Savannah for use as a civilian airport on July 5, 1950. Since 1950, the property that included landfills no.1 and no. 2 was sold to private sector interests, and this property is currently owned by Norfolk Southern Railway Company. Landfill no. 3 is still on Savannah International Airport property.

GENERAL INFORMATION (continued)

Site Sketch: Provide a sketch of the site. Indicate all pertinent features of the site and nearby environments including sources of wastes, areas of visible and buried wastes, buildings, residences, access roads, parking areas, fences, fields, drainage patterns, water bodies, vegetation, wells, sensitive



SOURCE: EBASCO ENVIRONMENTAL, AUGUST, 1993

GENERAL INFORMATION (continued)

Source Description: Include description of containment per pathway for ground water (see HRS Table 3-2), surface water (see HRS Table 4-2), and air (see HRS Tables 6-3 and 6-9).

The containment per pathway for both groundwater and surface water is poor. The contaminant source is an inactive landfill that was utilized during the 1940's. The landfill does not have a liner or no essentially impervious base. There is also no diking around the landfill.

Hazardous Waste Quantity (HWQ) Calculation: SI Tables 1 and 2 (See HRS Tables 2-5, 2-6, and 5-2).

Landfill No. 1	15 Acres ÷ 0.078 = 192.0
Landfill No. 2	7 Acres ÷ 0.078 = 89.7
Landfill No. 3	12 Acres ÷ 0.078 = 153.8
	435.5

Attach additional pages, if necessary

HWQ = 100

N/A

SI TABLE 3: WASTE CHARACTERIZATION WORKSHEET

Site Name: _____ **References** _____

Sources:

1._____ 4._____ 7._____
2._____ 5._____ 8._____
3._____ 6._____ 9._____

SOURCE	HAZARDOUS SUBSTANCE	TOXICITY	GROUND WATER PATHWAY		SURFACE WATER PATHWAY										
					OVERLAND/FLOOD MIGRATION							GROUND WATER TO SURFACE WATER			
			GW Mobility (HRS Table 3-8)	Tox/ Mobility Value (HRS Table 3-9)	Per (HRS Tables 4-10 and 4-11)	Tox/Per Value (HRS Table 4-12)	Bioac Pot. (HRS Table 4-15)	Tox/ Pers/ Bioac Value (HRS Table 4-16)	Ecotox (HRS Table 4-19)	Ecotox/ Pers (HRS Table 4-20)	Ecotox/ Pers/ Bioacc Value (HRS Table 4-21)	Tox/ Mob/ Pers Value (HRS Table 4-25)	Tox/ Mob/ Pers/ Bioacc Value (HRS Table 4-26)	Ecotox/ Mob/ Pers Value (HRS Table 4-29)	Ecotox/ Mob/ Per/ Bioacc Value (HRS Table 4-30)

SI TABLE 4: GROUND WATER OBSERVED RELEASE SUBSTANCES (BY AQUIFER) (ON Attached Sheet)

Sample ID	Hazardous Substance	Bckgrd. Conc.	Toxicity/ Mobility	References
		Highest Toxicity/Mobility		

SI TABLE 5: GROUND WATER ACTUAL CONTAMINATION TARGETS N/A

Well ID: _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

Well ID: _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

SI Table 4
Groundwater Observed Release Substances

Sample ID	Hazardous Substance	Maximum Concentration (ppb)	Toxicity * Mobility	References
TF1 HP05	Acetone	170	10	3
TF3 MW5	Arsenic	12	10,000	3
TF1 HP04	Beryllium	8.3	10,000	3
TF1 HP03	Beta BHC	0.072	not available	3
TF1 HP02	Carbon Disulfide	32	1,000	3
TF1 MW01	Chromium	100	10,000	3
TF1 HP03	Lead	40	10,000	3
TF1 HP04	Mercury	0.36	10,000	3
TF2 HP03	Zinc	970	10	3

GROUND WATER PATHWAY
GROUND WATER USE DESCRIPTION

Describe Ground Water Use within 4 Miles of the Site:
Describe generalized stratigraphy, aquifers, municipal and private wells

The residents of the 4 mile area surrounding the three landfills utilize groundwater extracted from private wells, municipal wells, City of Savannah wells, Garden City wells, and Port Wentworth wells. There are 3 City of Savannah wells, #17, #18, and #19, located at Travis Field. The wells are all drilled into the confined aquifer and are drilled greater than 600 feet below ground surface. Wells #17 and #19 are cased down to 274 feet and 280 feet, respectively. The casing depth of well #18 is not known [Ref. 8]. Due to the fact that groundwater is extracted from the confined aquifer, the well-head protection area for each well is 100 feet [Ref. 9].

Due to the close distance between Landfills no.1 and no. 2, drinking water receptors have been investigated from a latitude and longitude coordinate (LAT 32° 7' 9"/LONG 81° 11' 12.51") which is located halfway between the two individual landfills. The closest known well to the site is the # 17 City of Savannah well at Travis Field which is located approximately one half mile from the site. The well is drilled down to 652 feet below land surface and is cased down 274 feet [Ref. 8].

The census data indicates that there are residents located within 0.25-.5 mile of the site who utilize groundwater from both private and public drinking water wells.

The closest known active well to landfill no.3 is the #19 City of Savannah well at Travis Field. The well is located approximately 1.5 miles to the northwest of the landfill. The well is drilled down to 660 feet and is cased 280 feet.

The census data indicates that there are residents located within 0.5 and 1 mile of landfill no. 3 who utilize groundwater from both private and public drinking water wells [Ref. 10, 15, 16].

Show Calculations of Ground Water Drinking Water Populations for each Aquifer:

(LANDFILLS #1 & #2) LAT 32° 7' 9" / LONG 81°11' 12.51"

RANGE	POPULATION	TOTAL HOUSEHOLDS	HOUSEHOLDS ON PRIVATE WATER	HOUSEHOLDS ON PUBLIC WATER	POP. SERVED BY PRIVATE WATER	POP. SERVED BY PUBLIC WATER
0 - 0.25 miles	0	0	0	0	0	0
0.25 - 0.5 miles	55	25	15	10	35	20
0.5 - 1 mile	604 (659)	55 (80)	12 (27)	43 (53)	28 (63)	576 (596)
1 - 2 miles	3249 (3908)	1081 (1161)	36 (63)	1045 (1098)	86 (149)	3163 (3759)
2 - 3 miles	8815 (12,723)	3346 (4507)	264 (327)	3082 (4180)	662 (817)	8153 (11,912)
3 - 4 miles	5243 (17,966)	1872 (6379)	435 (762)	1437 (5617)	1222 (2033)	4021 (15,933)

(LANDFILL #3) LAT 32° 8' 16.71" / LONG 81° 12' 49.65"

RANGE	POPULATION	TOTAL HOUSEHOLDS	HOUSEHOLDS ON PRIVATE WATER	HOUSEHOLDS ON PUBLIC WATER	POP. SERVED BY PRIVATE WATER	POP. SERVED BY PUBLIC WATER
0 - 0.25 miles	0	0	0	0	0	0
0.25 - 0.5 miles	0	0	0	0	0	0
0.5 - 1 mile	4	2	1	1	2	2
1 - 2 miles	926 (930)	214 (216)	122 (123)	92 (93)	527 (529)	399 (401)
2 - 3 miles	4397 (5327)	1397 (1613)	153 (276)	1244 (1337)	481 (1010)	3916 (4317)
3 - 4 miles	7983 (13,310)	2817 (4430)	280 (556)	2537 (3874)	793 (1803)	7190 (11,507)

GROUND WATER PATHWAY WORKSHEET

LIKELIHOOD OF RELEASE	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to the aquifer, assign a score of 550. Record observed release substances on SI Table 4.	550		1,3,21
2. POTENTIAL TO RELEASE: Depth to aquifer: _____feet. If sampling data do not support a release to the aquifer, and the site is in karst terrain or the depth to aquifer is 70 feet or less, assign a score of 500; otherwise, assign a score of 340. Optionally, evaluate potential to release according to HRS Section 3.	—		
LR =	550		

TARGETS			
Are any wells part of a blended system? Yes____ No X If yes, attach a page to show apportionment calculations. 3. ACTUAL CONTAMINATION TARGETS: If analytical evidence indicates that any target drinking water well for the aquifer has been exposed to a hazardous substance from the site, evaluate the factor score for the number of people served (SI Table 5). Level I: _____ people x 10 = _____ Level II: _____ people x 1 = _____ Total =	0		
4. POTENTIAL CONTAMINATION TARGETS: Determine the number of people served by drinking water wells for the aquifer or overlying aquifers that are not exposed to a hazardous substance from the site; record the population for each distance category in SI Table 6a or 6b. Sum the population values and multiply by 0.1.	223		10
5. NEAREST WELL: Assign a score of 50 for any Level I Actual Contamination Targets for the aquifer or overlying aquifer. Assign a score of 45 if there are Level II targets but no Level I targets. If no Actual Contamination Targets exist, assign the Nearest Well score from SI Table 6a or 6b. If no drinking water wells exist within 4 miles, assign 0.	18		10
6. WELLHEAD PROTECTION AREA (WHPA): If any source lies within or above a WHPA for the aquifer, or if a ground water observed release has occurred within a WHPA, assign a score of 20; assign 5 if neither condition applies but a WHPA is within 4 miles; otherwise assign 0.	5		9
7. RESOURCES: Assign a score of 5 if one or more ground water resource applies; assign 0 if none applies. • Irrigation (5 acre minimum) of commercial food crops or commercial forage crops • Watering of commercial livestock • Ingredient in commercial food preparation • Supply for commercial aquaculture • Supply for a major or designated water recreation area, excluding drinking water use	5		
Sum of Targets T=	251		

SI TABLE 6 (From HRS TABLE 3-12): VALUES FOR POTENTIAL CONTAMINATION GROUND WATER TARGET POPULATIONS

SI Table 6a: Other Than Karst Aquifers

Distance from Site	Pop.	Nearest Well (choose highest)	Population Served by Wells within Distance Category												Pop. Value	Ref.
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1000	1001 to 3000	3001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,000 to 3,000,000		
0 to $\frac{1}{4}$ mile	0	20	4	17	53	164	522	1,633	5,214	16,325	52,137	163,246	521,360	1,632,455	0	10
> $\frac{1}{4}$ to $\frac{1}{2}$ mile	55	18	2	11	33	102	324	1,013	3,233	10,122	32,325	101,213	323,243	1,012,122	33	10
> $\frac{1}{2}$ to 1 mile	604	9	1	5	17	52	167	523	1,669	5,224	16,684	52,239	166,835	522,385	167	10
> 1 to 2 miles	3249	5	0.7	3	10	30	94	294	939	2,939	9,385	29,384	93,845	293,842	939	10
> 2 to 3 miles	8815	3	0.5	2	7	21	68	212	678	2,122	6,778	21,222	67,777	212,219	678	10
>3 to 4 miles	5243	2	0.3	1	4	13	42	131	417	1,306	4,171	13,060	41,709	130,596	417	10

Nearest Well = [ ]

Sum = 223

DATA FOR LANDFILLS No. 1 + No 2 (Population and wells in closer proximity to landfills 1 + 2 than to land fill 3)

N/A

SI TABLE 6 (From HRS TABLE 3-12): VALUES FOR POTENTIAL CONTAMINATION GROUND WATER TARGET POPULATIONS (continued)

SI Table 6b: Karst Aquifers

Distance from Site	Pop.	Nearest Well (choose highest)	Population Served by Wells within Distance Category												Pop. Value	Ref.
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1000	1001 to 3000	3001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,000 to 3,000,000		
0 to $\frac{1}{4}$ mile		20	4	17	53	164	522	1,633	5,214	16,325	52,137	163,246	521,360	1,632,455		
> $\frac{1}{4}$ to $\frac{1}{2}$ mile		20	2	11	33	102	324	1,013	3,233	10,122	32,325	101,213	323,243	1,012,122		
> $\frac{1}{2}$ to 1 mile		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
> 1 to 2 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
> 2 to 3 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
> 3 to 4 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		

Nearest Well = [ ] Sum = [ ]

GROUND WATER PATHWAY WORKSHEET (concluded)

WASTE CHARACTERISTICS	Score	Data Type	Does not Apply
8. If any Actual Contamination Targets exist for the aquifer or overlying aquifers, assign the calculated hazardous waste quantity score or a score of 100, whichever is greater; if no Actual Contamination Targets exist, assign the hazardous waste quantity score calculated for sources available to migrate to ground water.	100		
9. Assign the highest ground water toxicity/mobility value from SI Table 3 or 4.	10,000		
10. Multiply the ground water toxicity/mobility and hazardous waste quantity scores. Assign the Waste Characteristics score from the table below: (from HRS Table 2-7)			

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 or greater	100

WC = 18

Multiply LR by T and by WC. Divide the product by 82,500 to obtain the ground water pathway score for each aquifer. Select the highest aquifer score. If the pathway score is greater than 100, assign 100.

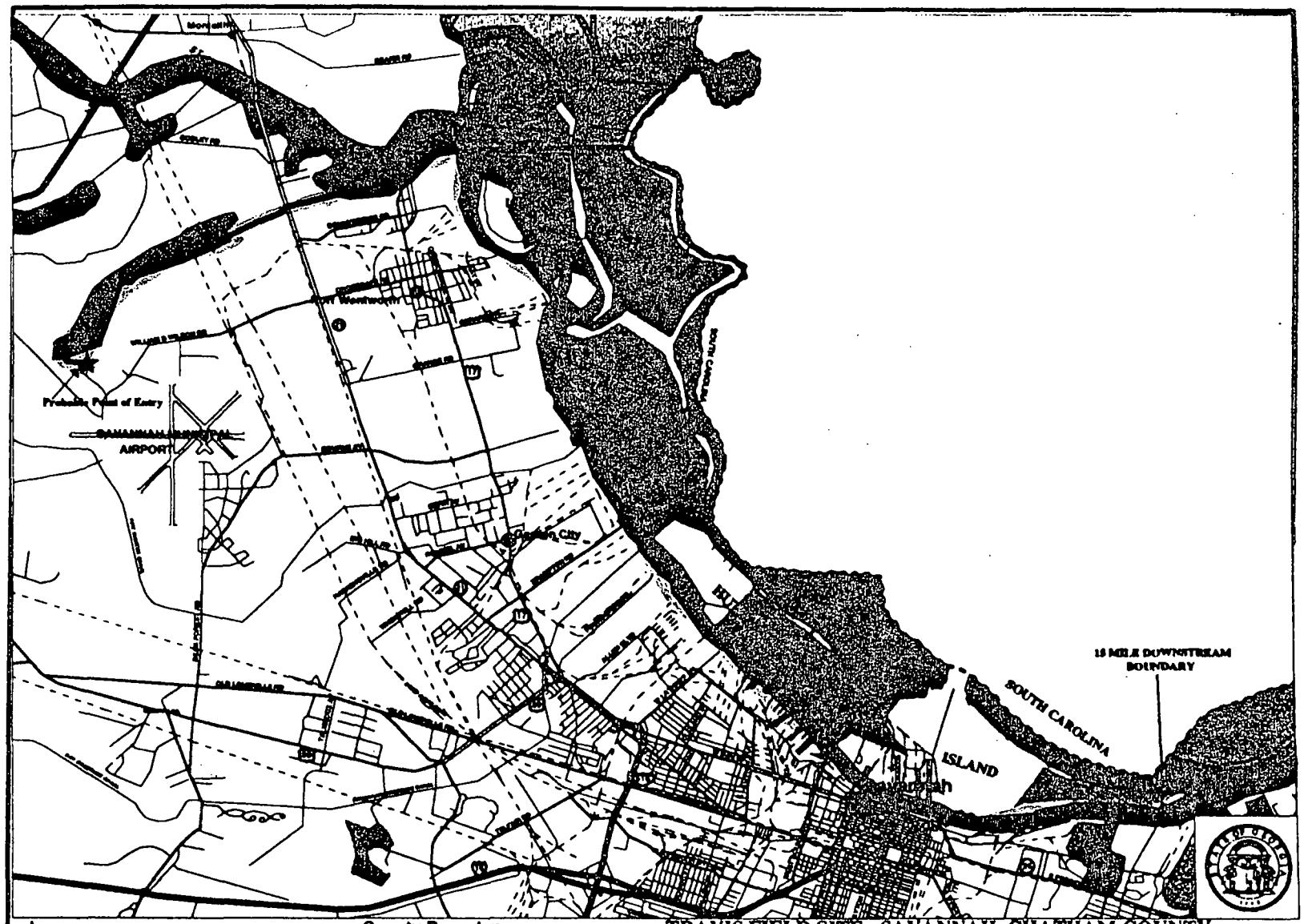
GROUND WATER PATHWAY SCORE: $\frac{LR \times T \times WC}{82,500}$

30

(Maximum of 100)

SURFACE WATER PATHWAY

N



Site Location
Forested Wetland
Non-Forested Wetland
Surface Water Pathway
County Boundary
Hydrology
City/Town
Unincorporated Town

TRAVIS FIELD SITE - SAVANNAH, CHATHAM COUNTY
15 MILE SURFACE WATER DOWNSTREAM PATHWAY
Source: 1990 Census (TIGER), 1978 US EPA (GIRAS Landuse)
3/25/97
Scale = 1:76,665

(ON Attached Sheet)

SI TABLE 7: SURFACE WATER OBSERVED RELEASE SUBSTANCES

Sample ID	Hazardous Substance	Bckgrd. Conc.	Toxicity/ Persistence	Toxicity/ Persis./ Bioaccum	Ecotoxicity/ Persis/ Ecobioaccum	References
		Highest Values				

SI TABLE 8: SURFACE WATER DRINKING WATER ACTUAL CONTAMINATION TARGETS

N/A

Intake ID: _____ Sample Type _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

Intake ID: _____ Sample Type _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

SI Table 7

Hazardous Substances Detected in Surface Water and Sediment Samples

	Drinking Water	Human Food Chain	Environmental	Ref.
Contaminant	(tox * persist)	(tox * persist * bio)	(tox * persist * bio)	
Acetone	0.7	0.35	3.5	26
Arsenic	10,000	50,000	5,000	26
Barium	10,000	5,000	0.5	26
Bis(2-ethylhexyl)phthalate	100	5,000,000	50,000,000	26
Cadmium	10,000	50,000,000	5,000,000	26
Chromium	10,000	50,000	500	26
Copper	1	50,000	5,000,000	26
Diphenylamine	100	50,000	50,000	26
Ethylbenzene	4	200	2,000	26
Lead	10,000	500,000	5,000,000	26
Mercury	10,000	500,000,000	500,000,000	26
Methylene Chloride	10	50	5	26
m-Xylene	1	500	50,000	26
Silver	100	5,000	500,000	26
Toluene	4	200	2,000	26
Trichloroethene	10	500	5,000	26
Zinc	10	5,000	5,000	26
4,4-DDD	100	5,000,000	500,000,000	26
4,4-DDE	100	5,000,000	500,000,000	26
4,4-DDT	1000	50,000,000	500,000,000	26

SURFACE WATER PATHWAY
LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT WORKSHEET

LIKELIHOOD OF RELEASE- OVERLAND/FLOOD MIGRATION	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to surface water in the watershed, assign a score of 550. Record observed release substances on SI Table 7.	550		1,3, 21
2. POTENTIAL TO RELEASE: Distance to surface water: ____(feet) If sampling data do not support a release to surface water in the watershed, use the table below to assign a score from the table below based on distance to surface water and flood frequency.			

Distance to surface water <2500 feet	500
Distance to surface water >2500 feet, and:	
Site in annual or 10-yr floodplain	500
Site in 100-yr floodplain	400
Site in 500-yr floodplain	300
Site outside 500-yr floodplain	100

Optionally, evaluate surface water potential to release according to HRS Section 4.1.2.1.2

LR = 550

LIKELIHOOD OF RELEASE GROUND WATER TO SURFACE WATER MIGRATION	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to surface water in the watershed, assign a score of 550. Record observed release substances on SI Table 7.	550		1,3, 21
NOTE: Evaluate ground water to surface water migration only for a surface water body that meets all of the following conditions: 1) A portion of the surface water is within 1 mile of site sources having a containment factor greater than 0. 2) No aquifer discontinuity is established between the source and the above portion of the surface water body. 3) The top of the uppermost aquifer is at or above the bottom of the surface water. Elevation of top of uppermost aquifer: N/A Elevation of bottom of surface water body: N/A			
2. POTENTIAL TO RELEASE: Use the ground water potential to release. Optionally, evaluate surface water potential to release according to HRS Section 3.1.2.			

LR = 550

SURFACE WATER PATHWAY
LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT WORKSHEET (CONTINUED)

DRINKING WATER THREAT TARGETS	Score	Data Type	Refs
Record the water body type, flow, and number of people served by each drinking water intake within the target distance limit in the watershed. If there is no drinking water intake within the target distance limit, assign 0 to factors 3, 4, and 5. Intake Name / Water Body Type / Flow / People Served _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ Are any intakes part of a blended system? Yes _____ No _____ If yes, attach a page to show apportionment calculations. 3. ACTUAL CONTAMINATION TARGETS: If analytical evidence indicates a drinking water intake has been exposed to a hazardous substance from the site, list the intake name and evaluate the factor score for the drinking water population (SI Table 8). _____ _____ Level I: _____ people x 10 = _____ Level II: _____ people x 1 = _____ Total =	0		7
4. POTENTIAL CONTAMINATION TARGETS: Determine the number of people served by drinking water intakes for the watershed that have not been exposed to a hazardous substance from the site. Assign the population values from SI Table 9. Sum the values and multiply by 0.1.	0		7
5. NEAREST INTAKE: Assign a score of 50 for any Level I Actual Contamination Drinking Water Targets for the watershed. Assign a score of 45 if there are Level II targets for the watershed, but no Level I targets. If no Actual Contamination Drinking Water Targets exist, assign a score for the intake nearest the PPE from SI Table 9. If no drinking water intakes exist, assign 0.	0		7
6. RESOURCES: Assign a score of 5 if one or more surface water resource applies; assign 0 if none applies. • Irrigation (5 acre minimum) of commercial food crops or commercial forage crops • Watering of commercial livestock • Ingredient in commercial food preparation • Major or designated water recreation area, excluding drinking water use	0		7
SUM OF TARGETS T=	0		

SI TABLE 10: HUMAN FOOD CHAIN ACTUAL CONTAMINATION TARGETS FOR WATERSHED

Fishery ID: LANDFILL 3 POND Sample Type Sediment Level I ✓ Level II ____ References 21

Sample ID	Hazardous Substance	Conc. (mg/kg)	Benchmark Concentration (FDAAL)	% of Benchmark	Cancer Risk Concentration	% of Cancer Risk Concentration	RfD	% of RfD
LF3-C/6393	zinc (sed)	13.0	N/A	N/A	N/A	N/A	3.0E-01 mg/kg/day	4333
			Highest Percent	N/A	Sum of Percents	N/A	Sum of Percents	4333%

SI TABLE 11: SENSITIVE ENVIRONMENT ACTUAL CONTAMINATION TARGETS FOR WATERSHED

Environment ID: LANDFILL 2 Sample Type Surface Water Level I ✓ Level II ____ Environment Value ____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Concentration (AWQC or AALAC)	% of Benchmark	References
TF2 SE/SW02	Arsenic	26	1.9E+02	13.7	
TF2 SE/SW02	lead	19	3.2E+00	593.8	
TF2 SE/SW02	Zinc	72	1.1E+02	65.5	
			Highest Percent	5938%	

Environment ID: ____ Sample Type ____ Level I ____ Level II ____ Environment Value ____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Concentration (AWQC or AALAC)	% of Benchmark	References
			Highest Percent		

SURFACE WATER PATHWAY (continued)
HUMAN FOOD CHAIN THREAT WORKSHEET

HUMAN FOOD CHAIN THREAT TARGETS	Score	Data Type	Refs
Record the water body type and flow for each fishery within the target distance limit. If there is no fishery within the target distance limit, assign a score of 0 at the bottom of this page.			
Fishery Name LF3 Water Body Pond Flow 10-100 cfs Species____ Production____ lbs/yr Species____ Production____ lbs/yr Fishery Name____ Water Body St. Augustine Creek Flow____ cfs Species____ Production____ lbs/yr Species____ Production____ lbs/yr Fishery Name____ Water Body Savannah River Flow >100,000 cfs Species____ Production____ lbs/yr Species____ Production____ lbs/yr			
FOOD CHAIN INDIVIDUAL			
7. ACTUAL CONTAMINATION FISHERIES:			
If analytical evidence indicates that a fishery has been exposed to a hazardous substance with a bioaccumulation factor greater than or equal to 500 (SI Table 10), assign a score of 50 if there is a Level I fishery. Assign 45 if there is a Level II fishery, but no Level I fishery.	45		21
8. POTENTIAL CONTAMINATION FISHERIES:			
If there is a release of a substance with a bioaccumulation factor greater than or equal to 500 to a watershed containing fisheries within the target distance limit, but there are no Level I or Level II fisheries, assign a score of 20.			
If there is no observed release to the watershed, assign a value for potential contamination fisheries from the table below using the lowest flow at all fisheries within the target distance limit:			

Lowest Flow	FCI Value
<10 cfs	20
10 to 100 cfs	2
>100 cfs, coastal tidal waters, oceans, or Great Lakes	0
3-mile mixing zone in quiet flowing river	10

FCI Value =

SUM OF TARGETS T = 45

SURFACE WATER PATHWAY (continued)
ENVIRONMENTAL THREAT WORKSHEET

When measuring length of wetlands that are located on both sides of a surface water body, sum both frontage lengths. For a sensitive environment that is more than one type, assign a value for each type.

ENVIRONMENTAL THREAT TARGETS	Score	Data Type	Refs
Record the water body type and flow for each surface water sensitive environment within the target distance (see SI Table 12). If there is no sensitive environment within the target distance limit, assign a score of 0 at the bottom of the page.			

Environment Name	Water Body Type	Flow
wetlands > 20 miles		cfs
		cfs
		cfs
		cfs
		cfs

9. ACTUAL CONTAMINATION SENSITIVE ENVIRONMENTS: If sampling data or direct observation indicate any sensitive environment has been exposed to a hazardous substance from the site, record this information on SI Table 11, and assign a factor value for the environment (SI Tables 13 and 14).

Environment Name	Environment Type and Value (SI Tables 13 & 14)	Multiplier (10 for Level I, 1 for Level II)	Product
wetlands (1 to 2 mi.)	50	x 10 =	500
Habitat known to be used by Fed. Species	75	x 10 =	750
		x =	
		x =	
		Sum =	1250

Refs: 21, 23

10. POTENTIAL CONTAMINATION SENSITIVE ENVIRONMENTS:

Flow	Dilution Weight (SI Table 12)	Environment Type and Value (SI Tables 13 & 14)	Pot. Cont.	Product
cfs	.001 x	Habitat known to be used by fed. species 75 x	0.1 =	.0075
cfs	x	x	0.1 =	
cfs	x	x	0.1 =	
cfs	x	x	0.1 =	
cfs	x	x	0.1 =	
			Sum =	

Refs: 21

T = 1250

SURFACE WATER PATHWAY (concluded)
WASTE CHARACTERISTICS, THREAT, AND PATHWAY SCORE SUMMARY

WASTE CHARACTERISTICS — Score

14. If an Actual Contamination Target (drinking water, human food chain, or environmental threat) exists for the watershed, assign the calculated hazardous waste quantity score, or a score of 100, whichever is greater.

15. Assign the highest value from SI Table 7 (observed release) or SI Table 3 (no observed release) for the hazardous substance waste characterization factors below. Multiply each by the surface water hazardous waste quantity score and determine the waste characteristics score for each threat.

	Substance Value		HWQ		Product	WC Score (from Table) (Maximum of 100)
Drinking Water Threat Toxicity/Persistence	10,000	x	100	=	1E+06	32
Food Chain Threat Toxicity/Persistence Bioaccumulation	200,000,000	x	100	=	2E+10	320
Environmental Threat Ecotoxicity/Persistence/ Ecobioaccumulation	500,000,000	x	100	=	5E+10	320

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 to <1E + 09	100
1E + 09 to <1E + 10	180
1E + 10 to <1E + 11	320
1E + 11 to <1E + 12	560
1E + 12 or greater	1000

SURFACE WATER PATHWAY THREAT SCORES

Threat	Likelihood of Release (LR) Score	Targets (T) Score	Pathway Waste Characteristics (WC) Score (determined above)	Threat Score $\frac{LR \times T \times WC}{82,500}$
Drinking Water	550	0	32	(maximum of 100) 0
Human Food Chain	550	45	320	(maximum of 100) 96
Environmental	550	1250	320	(maximum of 60) 60

SURFACE WATER PATHWAY SCORE (Drinking Water Threat + Human Food Chain Threat + Environmental Threat) — (maximum of 100): 100

SOIL EXPOSURE PATHWAY WORKSHEET
RESIDENT POPULATION THREAT

LIKELIHOOD OF EXPOSURE	Score	Data Type	Refs
1. OBSERVED CONTAMINATION: If evidence indicates presence of observed contamination (depth of 2 feet or less), assign a score of 550; otherwise, assign a 0. Note that a likelihood of exposure score of 0 results in a soil exposure pathway score of 0.	550		1, 3, 21
LE =	550		

TARGETS

	Score	Data Type	Refs
2. RESIDENT POPULATION: Determine the number of people occupying residences or attending school or day care on or within 200 feet of areas of observed contamination (HRS section 5.1.3). Level I: _____ people x 10 = _____ Level II: _____ people x 1 = _____ Sum =	0		2, 21
3. RESIDENT INDIVIDUAL: Assign a score of 50 if any Level I resident population exists. Assign a score of 45 if there are Level II targets but no Level I targets. If no resident population exists (*i.e.*, no Level I or Level II targets), assign 0 (HRS Section 5.1.3).	0		2, 21
4. WORKERS: Assign a score from the table below for the total number of workers at the site and nearby facilities with areas of observed contamination associated with the site.	0		2, 21

Number of Workers	Score
0	0
1 to 100	5
101 to 1,000	10
>1,000	15

	Score	Data Type	Refs
5. TERRESTRIAL SENSITIVE ENVIRONMENTS: Assign a value for each terrestrial sensitive environment (SI Table 16) in an area of observed contamination.	75		21

Terrestrial Sensitive Environment Type	Value
Terrestrial habitat known to be used by Federal designated or proposed threatened or endangered species	75
Sum =	

	Score	Data Type	Refs
6. RESOURCES: Assign a score of 5 if any one or more of the following resources is present on an area of observed contamination at the site; assign 0 if none applies. • Commercial agriculture • Commercial silviculture • Commercial livestock production or commercial livestock grazing	0		
Total of Targets T=	75		

SOIL EXPOSURE PATHWAY WORKSHEET
NEARBY POPULATION THREAT

LIKELIHOOD OF EXPOSURE	Score	Data Type	Ref.
7. Attractiveness/Accessibility (from SI Table 17 or HRS Table 5-6) Value 10	10		2, 21
Area of Contamination (from SI Table 18 or HRS Table 5-7) Value 100	100		
Likelihood of Exposure (from SI Table 19 or HRS Table 5-8)			
LE =	125		

TARGETS	Score	Data Type	Ref.
8. Assign a score of 0 if Level I or Level II resident individual has been evaluated or if no individuals live within 1/4 mile travel distance of an area of observed contamination. Assign a score of 1 if nearby population is within 1/4 mile travel distance and no Level I or Level II resident population has been evaluated.	1		2, 21
9. Determine the population within 1 mile travel distance that is not exposed to a hazardous substance from the site (*i.e.*, properties that are not determined to be Level I or Level II); record the population for each distance category in SI Table 20 (HRS Table 5-10). Sum the population values and multiply by 0.1.	.37		10
T =	1.37		

SI TABLE 19 (HRS TABLE 5-8): NEARBY POPULATION LIKELIHOOD OF EXPOSURE FACTOR VALUES

AREA OF CONTAMINATION FACTOR VALUE	ATTRACTIVENESS/ACCESSIBILITY FACTOR VALUE						
	100	75	50	25	10	5	0
100	500	500	375	250	125	50	0
80	500	375	250	125	50	25	0
60	375	250	125	50	25	5	0
40	250	125	50	25	5	5	0
20	125	50	25	5	5	5	0
5	50	25	5	5	5	5	0

SI TABLE 20 (HRS TABLE 5-10): DISTANCE-WEIGHTED POPULATION VALUES FOR NEARBY POPULATION THREAT

Travel Distance Category (miles)	Pop.	Number of people within the travel distance category												Pop. Value
		0	1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,001	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	
Greater than 0 to $\frac{1}{4}$	0	0	0.1	0.4	1.0	4	13	41	130	408	1,303	4,081	13,034	0
Greater than $\frac{1}{4}$ to $\frac{1}{2}$	55	0	0.05	0.2	0.7	2	7	20	65	204	652	2,041	6,517	0.7
Greater than $\frac{1}{2}$ to 1	604	0	0.02	0.1	0.3	1	3	10	33	102	326	1,020	3,258	3

Reference(s) _____ Sum = 3.7

SOIL EXPOSURE PATHWAY WORKSHEET (concluded)

WASTE CHARACTERISTICS

10.	Assign the hazardous waste quantity score calculated for soil exposure	1
11.	Assign the highest toxicity value from SI Table ~~16~~ 15 or 3 Toxicity for Metals in Soil (from SCDM)	10,000
12.	Multiply the toxicity and hazardous waste quantity scores. Assign the Waste Characteristics score from the table below:	WC = 10

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 or greater	100

RESIDENT POPULATION THREAT SCORE:

(Likelihood of Exposure, Question 1;
Targets = Sum of Questions 2, 3, 4, 5, 6)

550 × 75 × 10
LE X T X WC
82,500

5

NEARBY POPULATION THREAT SCORE:

(Likelihood of Exposure, Question 7;
Targets = Sum of Questions 8, 9)

125 × 1.37 × 10
LE X T X WC
82,500

0.02

SOIL EXPOSURE PATHWAY SCORE:
Resident Population Threat + Nearby Population Threat

5
(Maximum of 100)

AIR PATHWAY

N/A

Air Pathway Observed Substances Summary Table

On SI Table 21, list the hazardous substances detected in air samples of a release from the site. Include only those substances with concentrations significantly greater than background levels. Obtain benchmark, cancer risk, and reference dose concentrations from SCDM. For NAAQS/NESHAPS benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages for the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage or the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate targets in the distance category from which the sample was taken and any closer distance categories as Level I. If the percentages are less than 100% or all are N/A, evaluate targets in that distance category and any closer distance categories that are not Level I as Level II.

SITE SCORE CALCULATION	S	S^2
GROUND WATER PATHWAY SCORE (S_{GW})	30	900
SURFACE WATER PATHWAY SCORE (S_{SW})	100	10,000
SOIL EXPOSURE (S_S)	5	25
AIR PATHWAY SCORE (S_A)	0	0
SITE SCORE $\sqrt{\frac{S_{GW}^2+S_{SW}^2+S_S^2+S_A^2}{4}}$ =		52

COMMENTS

In summary, metals, volatiles, semi-volatiles, and pesticides have been detected at the Travis Field landfills.

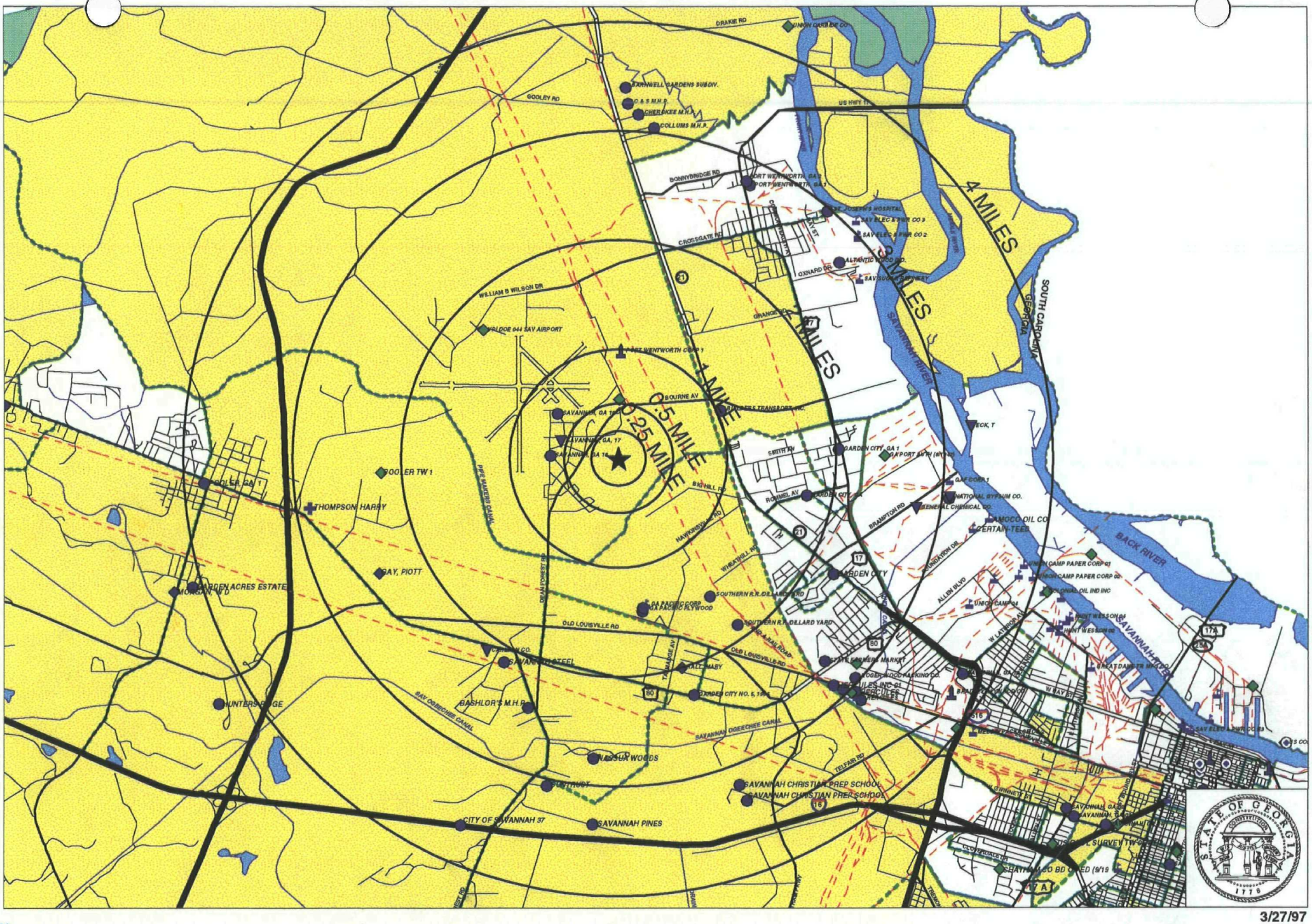
When evaluating the three exposure pathways: surface water, groundwater, and soil, the surface water pathway is the greatest concern. The surface water pathway is a definite concern due to the presence of hazardous substances in wetland habitats. Also, there is a fishery located within landfill 3 and adjacent to landfill 3. Also, it is important to note that the fisheries are inhabited by alligators which are federally protected threatened animals.

The groundwater pathway is a concern due to groundwater usage within the area. The closest drinking water well is located between one quarter and one half mile from the site. Although wells have not been reported as impacted, the potential for contamination does exist.

Concentration maps have been generated for contamination identified in the groundwater/surface water (see Appendix D). The groundwater/surface water concentrations have been compared to the federal drinking water MCLs. Analytical results indicate that only five samples had concentrations greater than the MCL for lead. The highest concentration is 40 ppb which is greater than the MCL of 15 ppb. Also two samples had beryllium concentrations greater than the beryllium MCL. The highest concentration is 8.3 ppb and the MCL is 4 ppb.

The soil exposure pathway is of less concern than the surface water or groundwater pathways due to the difficult access to the site. Landfills 1 and 2 are heavily overgrown with vegetation. Landfill 3 is located on the Savannah International Airport property. The landfill is located between Gulfstream Road and Airways Avenue. People entering the area can easily be seen by airport personnel.

APPENDIX A



3/27/97

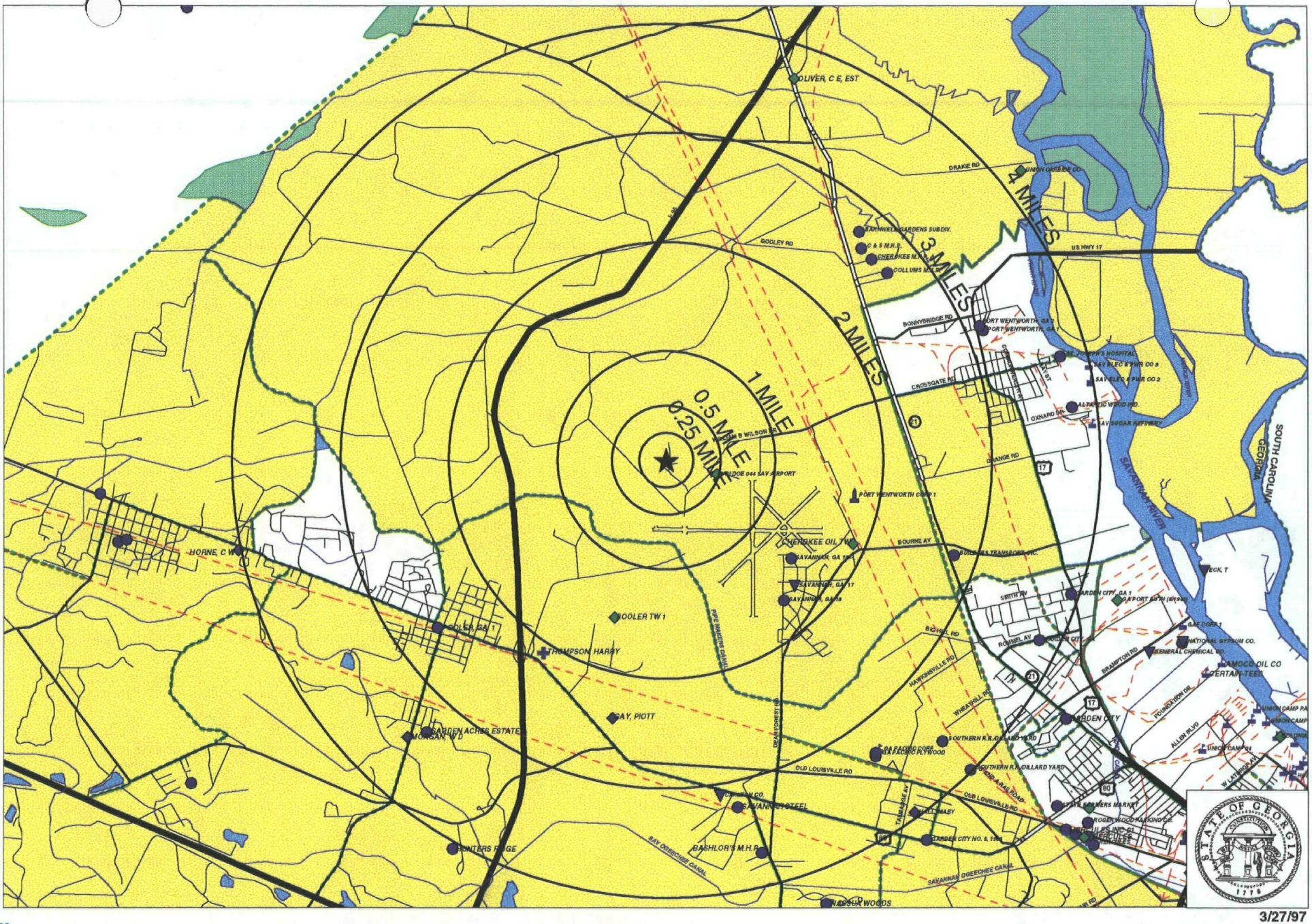
Census Block Group with >zero non-public supply well
Census Block Group served by public water
Public Supply Well
Surface Water Intake
Domestic Well
Unused Well
Spring

Industrial Well
Commercial Well
Irrigation Well
Livestock well
Well - Unknown use
Other Well

County Boundary
Road
Major Highway
Stream/River
Railroad

TRAVIS FIELD LANDFILLS #1 & #2
SAVANNAH, CHATHAM COUNTY
0.5, 1, 2, 3, and 4 MILE RADII

SOURCES: Georgia Public Water Source Inventory, 1994; US Census Bureau 1990; Ga. Water Source Inv., USGS, 1995



3/27/97

Census Block Group with >zero non-public supply well
Census Block Group served by public water
Public Supply Well
Surface Water Intake
Domestic Well
Unused Well
Spring
Industrial Well
Commercial Well
Irrigation Well
Livestock well
Well - Unknown use
Other Well
County Boundary
Road
Major Highway
Stream/River
Railroad

TRAVIS FIELD LANDFILL #3
SAVANNAH, CHATHAM COUNTY
0.5, 1, 2, 3, and 4 MILE RADII

SOURCES: Georgia Public Water Source Inventory, 1994; US Census Bureau 1990; Ga. Water Source Inv., USGS, 1995

WELL LOCATIONS
CITY OF SAVANNAH

WELL #	
1	WALZ DRIVE NEXT TO JULIETTE LOWE SCHOOL
2	STILES AVENUE BEHIND CITY LOT
3	IN CITY LOT YARD
4	GWINNETT STREET AT WEST BOUNDARY AND I-16
5	IN CORNER OF WHITAKER STREET AND PARK AVENUE(FORSYTH PRK)
6	CORNELL AVENUE BETWEEN WATERS AVENUE AND B.C. SCHOOL
7	CORNER OF VICTORY DRIVE AND WATERS AVENUE (DAFFIN PARK)
8	EDGEWOOD RD. AND PIERPONT AVE.(GIRL SCOUT PK.-GORDONSTON)
9	COLUMBUS DRIVE AND ABERCORN STREET
10	AUGUSTA AVENUE AT OLD WEST LATHROP AVENUE
11	PENNSYLVANIA AVE. AT HARRISON ST. BEHIND FIRE STATION
12	35TH STREET AND LINCOLN STREET
13	MONTGOMERY CROSSROADS AT BARTLETT SCHOOL
14	WINDSOR FOREST ON BRIARCLIFF CIRCLE OFF WINDSOR ROAD
15	WILSHIRE ESTATES ON LARGO DRIVE NEAR TIBET AVENUE
16	SOUTHEASTERN SHIPYARD-END OF WALSTROM ROAD
17	TRAVIS FIELD ACROSS FROM OLD AIRPORT TERMINAL
18	TRAVIS FIELD NEXT TO QUALITY COURTS MOTEL
19	TRAVIS FIELD AT EDGE OF RUNWAY BEHIND HANGAR BUILDING
20	DEAD END SAPELO ROAD-ISLANDWOOD (WILMINGTON ISLAND)

21 WELLINGTON CIRCLE OFF MILLWARD ROAD (WILMINGTON ISLAND)

22 WILMINGTON ISLAND ROAD - BEHIND HOUSE #918

23 OFF LARGO RD. JUST BEFORE BERKSHIRE WEST @ WATER TANK

24 OFF LEANING OAKS DRIVE - WOODRIDGE ESTATES(WILMINGTON ISL)

25 GAMBLE ROAD OFF ACL BLVD

26 COFFEE BLUFF AT COFFEE BLUFF ESTATES

27 BEHIND ST. JOSEPH'S HOSPITAL ON McAULEY DRIVE

28 BRYAN WOODS ROAD & HWY 80 (WHITEMARSH ISLAND)

29 GEORGETOWN - BARKSDALE DRIVE & RED FOX DRIVE

30 G-2 GEORGETOWN - END OF KING GEORGE BLVD (VILLAGE GREEN)

31 CHATHAM PARKWAY - BESIDE SAV. GAS OFFICE

32 JOHNNY MERCER & HWY 80 - WHITEMARSH ISLAND

33 DUTCH ISLAND - HERB RIVER DRIVE BETWEEN 401 & 405

34 DUTCH ISLAND - KOLB DRIVE - BETWEEN 840 & 841

35 I-95 & 204 - BEHIND WAFFLE HOUSE - WEST OF I-95

36 I-95 & 204 - BEHIND SAVANNAH FESTIVAL OUTLET - EAST OF I-95

37 I-16 & DEAN FORREST ROAD - SAVANNAH QUARTERS

38 DUTCH ISLAND - DUTCH ISLAND DRIVE BET. VERDELL & TERRAPIN

39 BACKUP WELL TO #28 - 6" SUBMERSIBLE

40 BACKUP WELL TO #37 - 6" SUBMERSIBLE

41 SAVANNAH STATE COLLEGE - WHATLEY AND FALLIGANT AVENUE

42 ARGONIC ROAD OFF EISENHOWER - REPLACEMENT FOR WELL #6

WELL CAPACITIES
CITY OF SAVANNAH

WELL NO.	CAPACITY (GPM)	CAPACITY (MGD)	CAPACITY(MG/YR)
I&D	34,723	50.000	18,250
1	1362	1.961	716
2	850	1.224	447
3	2500	3.600	1,314
4	3088	4.447	1,623
5	3500	5.040	1,840
6	1500	2.160	788
7	2083	3.000	1,095
8	3100	4.464	1,629
9	2700	3.888	1,419
10	1500	2.160	788
11	1158	1.668	609
12	1791	2.579	941
13	2200	3.168	1,156
14	571	0.822	300
15	1000	1.440	526
16	525	0.756	276
17	500	0.720	263
18	596	0.858	313
19	1500	2.160	788
20	525	0.756	276
21	521	0.750	274
22	1090	1.570	573
23	1056	1.521	555
24	1000	1.440	526
25	1120	1.613	589
26	1400	2.016	736
27	1468	2.114	772

28	1000	1.440	526
29	1000	1.440	526
30	1500	2.160	788
31	1000	1.440	526
32	1209	1.741	635
33	225	0.324	118
34	266	0.383	140
35	1000	1.440	526
36	1000	1.440	526
37	1100	1.584	578
38	1100	1.584	578
39(28A)	160	0.230	84
40(37A)	160	0.230	84
41	525	0.760	276
42	2100	3.024	1,104
TOTAL	53549	127.115	46396

WELL NO.	CASING DEPTH	BORE DEPTH	CASING SIZE	
1	300 FT.	1006 FT.	20 IN.	180 FT.
2	244 FT.	540 FT.	16 IN.	160 FT.
3	220 FT.	700 FT.	24 IN.	150 FT.
4	256 FT.	700 FT.	20 IN.	160 FT.
5	265 FT.	900 FT.	26 IN.	220 FT.
6	240 FT.	750 FT.	12 IN.	180 FT.
7	200 FT.	525 FT.	24 IN.	200 FT.
8	245 FT.	587 FT.	24 IN.	180 FT.
9	267 FT.	710 FT.	20 IN.	220 FT.
10	264 FT.	697 FT.	12 IN.	220 FT.
11	240 FT.	714 FT.	12 IN.	200 FT.
12	265 FT.	550 FT.	14 IN.	200 FT.
13	270 FT.	1000 FT.	12 IN.	215 FT.
14	338 FT.	800 FT.	12 IN.	140 FT.
15	252 FT.	414 FT.	10 IN.	130 FT.
16	250 FT.	650 FT.	12 IN.	140 FT.
17	274 FT.	652 FT.	10 IN.	110 FT.
18		681 FT.	10 IN.	150 FT.
19	280 FT.	660 FT.	12 IN.	120 FT.
20	147 FT.	427 FT.	10 IN.	80 FT.
21	230 FT.	576 FT.	16 IN.	80 FT.
22	148 FT.	352 FT.	16 IN.	100 FT.
23	320 FT.	639 FT.	16 IN.	110 FT.
24	221 FT.	340 FT.	12 IN.	90 FT.
25	287 FT.	540 FT.	10 IN.	200 FT.
26	208 FT.	580 FT.	16 IN.	140 FT.
27	321 FT.	550 FT.	16 IN.	130 FT.

APPENDIX B

4 MILE RADIAL SEARCH OF TRAVIS FIELD LANDFILL SITES
SAVANNAH, CHATHAM COUNTY

Source: US Census Bureau, 1990

(LANDFILLS #1 & #2) LAT 32° 7' 9" / LONG 81°11' 12.51"

RANGE	POPULATION	TOTAL HOUSEHOLDS	HOUSEHOLDS ON PRIVATE WATER	HOUSEHOLDS ON PUBLIC WATER	POP. SERVED BY PRIVATE WATER	POP. SERVED BY PUBLIC WATER
0 - 0.25 miles	0	0	0	0	0	0
0.25 - 0.5 miles	55	25	15	10	35	20
0.5 - 1 mile	604 (*659*)	55 (*80*)	12 (*27*)	43 (*53*)	28 (*63*)	576 (*596*)
1 - 2 miles	3249 (*3908*)	1081 (*1161*)	36 (*63*)	1045 (*1098*)	86 (*149*)	3163 (*3759*)
2 - 3 miles	8815 (*12,723*)	3346 (*4507*)	264 (*327*)	3082 (*4180*)	662 (*811*)	8153 (*11,912*)
3 - 4 miles	5243 (*17,966*)	1872 (*6379*)	435 (*762*)	1437 (*5617*)	1222 (*2033*)	4021 (*15,933*)

(LANDFILL #3) LAT 32° 8' 16.71" / LONG 81° 12' 49.65"

RANGE	POPULATION	TOTAL HOUSEHOLDS	HOUSEHOLDS ON PRIVATE WATER	HOUSEHOLDS ON PUBLIC WATER	POP. SERVED BY PRIVATE WATER	POP. SERVED BY PUBLIC WATER
0 - 0.25 miles	0	0	0	0	0	0
0.25 - 0.5 miles	0	0	0	0	0	0
0.5 - 1 mile	4	2	1	1	2	2
1 - 2 miles	926 (*930*)	214 (*216*)	122 (123)	92 (93)	527 (*529*)	399 (*401*)
2 - 3 miles	4397 (*5327*)	1397 (*1613*)	153 (*276*)	1244 (*1337*)	481 (*1010*)	3916 (*4317*)
3 - 4 miles	7983 (*13,310*)	2817 (*4430*)	280 (*556*)	2537 (*3874*)	793 (*1803*)	7190 (*11,507*)

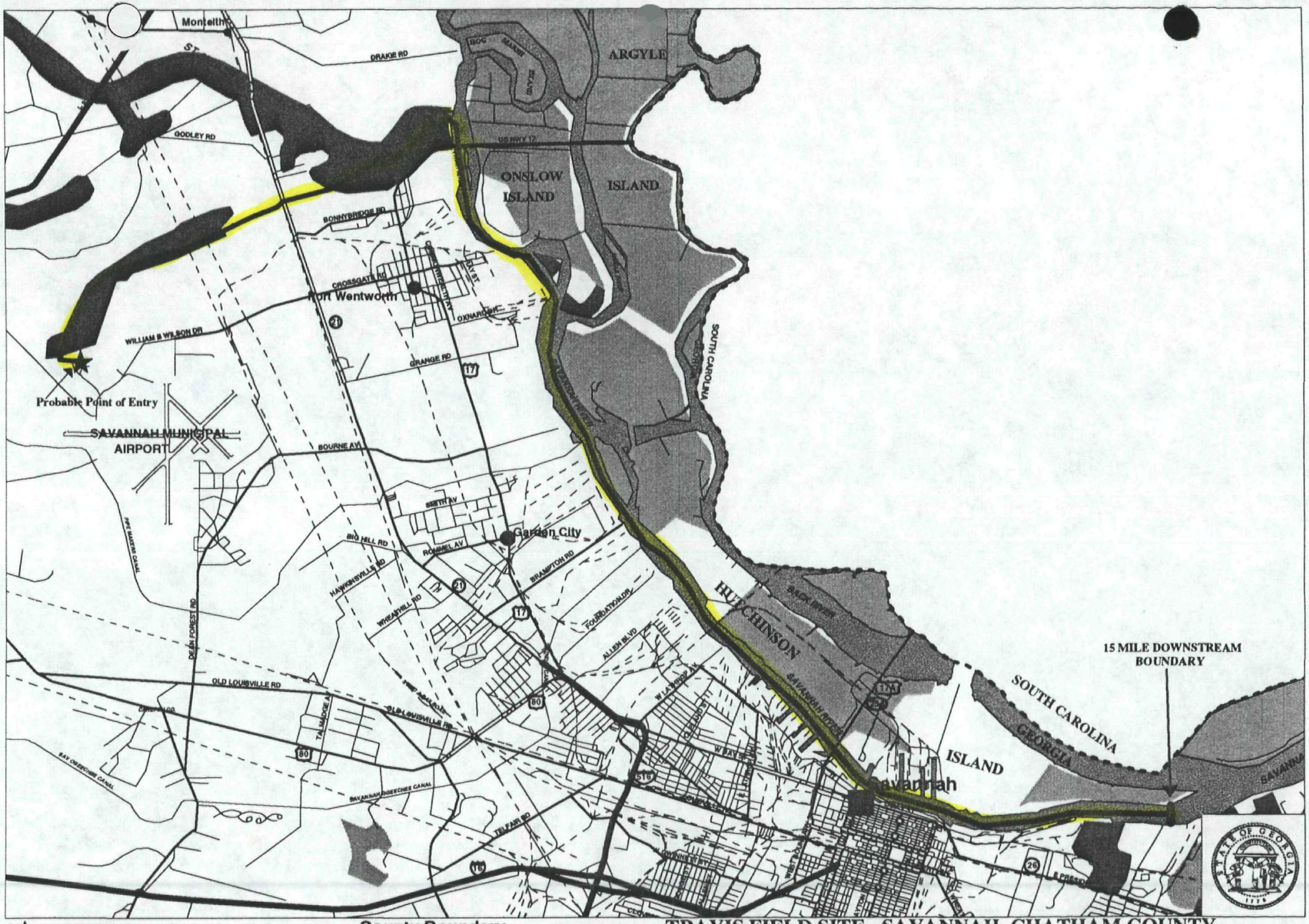
NOTE: Numbers in parentheses are **cumulative** totals

Uninhabited Census blocks
Lakes/Rivers
Limited Access Highway
Major Road
Road
Railroad
Streams/Canals

TRAVIS FIELD - SAVANNAH, CHATHAM COUNTY SITE (LANDFILLS 1 & 2) 4 MILE RADIAL POPULATION SEARCH

Source: 1990 Census Bureau

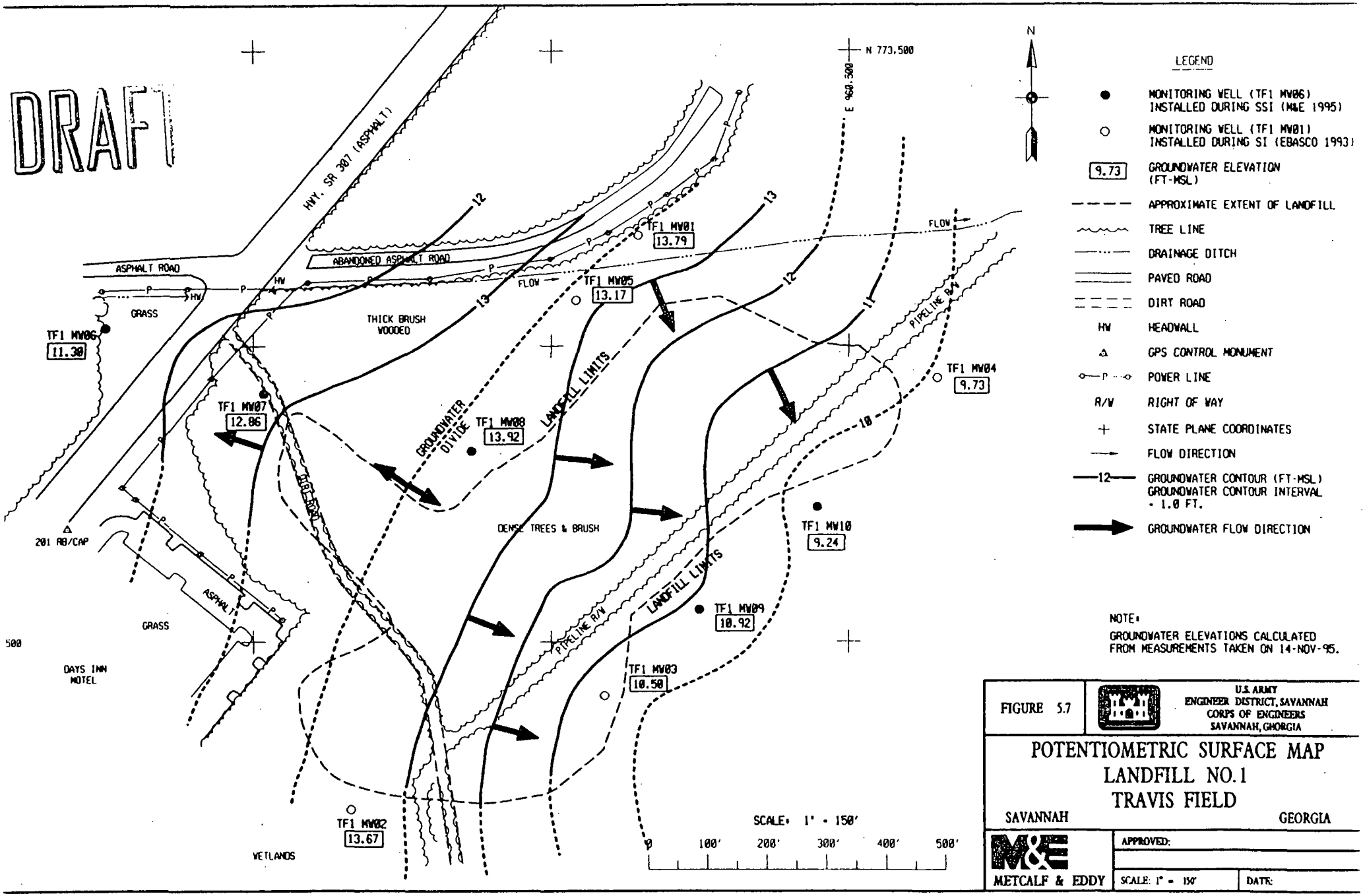
APPENDIX C

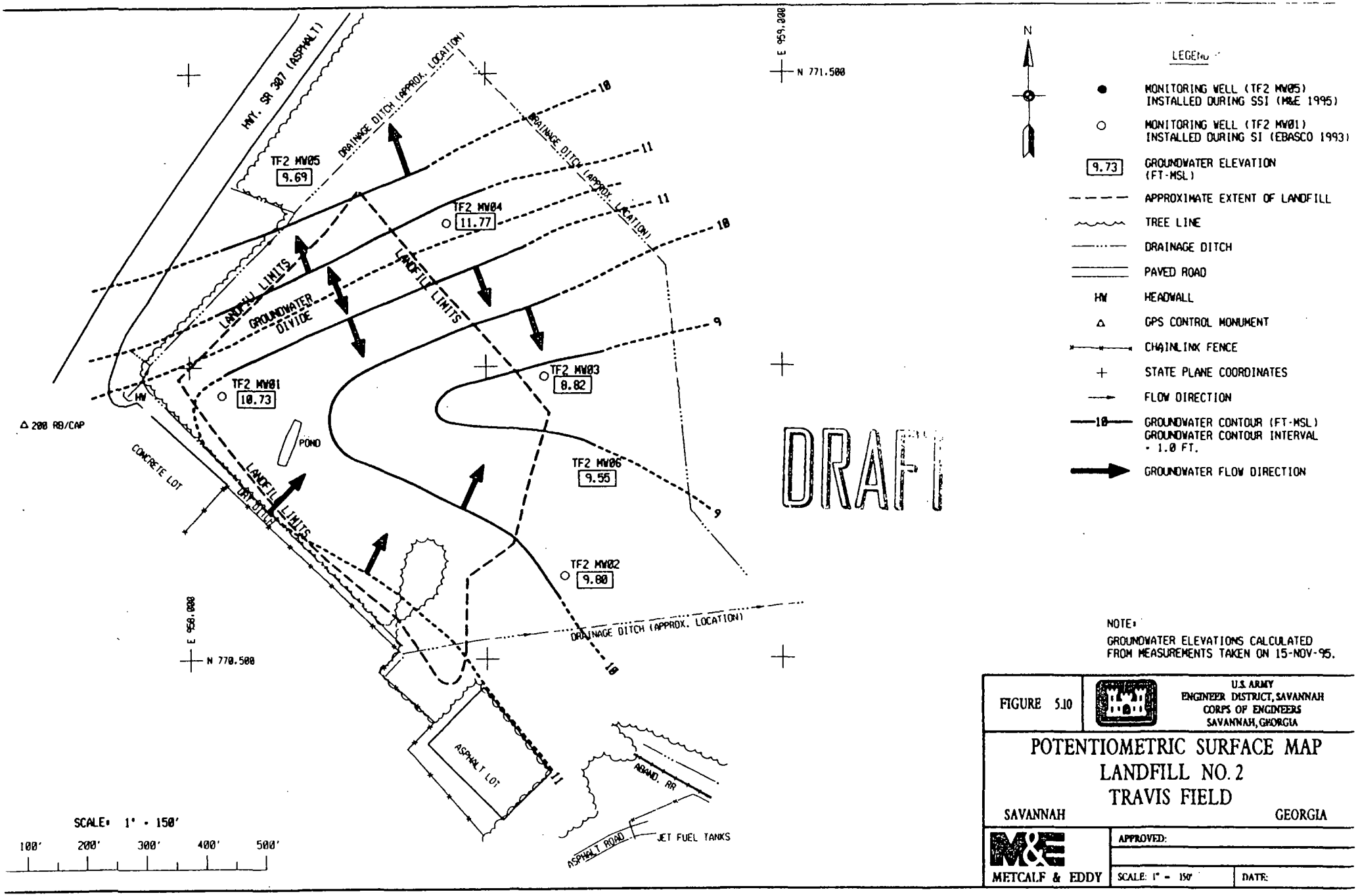


★ Site Location
Forested Wetland
Non-Forested Wetland
Surface Water Pathway
County Boundary
Hydrology
City/Town
Unincorporated Town

TRAVIS FIELD SITE - SAVANNAH, CHATHAM COUNTY
15 MILE SURFACE WATER DOWNSTREAM PATHWAY

Source: 1990 Census (TIGER), 1978 US EPA (GIRAS Landuse)
3/25/97
Scale = 1:76,665


DRAFT
HWY. SR 307 (ASPHALT)
ASPHALT ROAD
ABANDONED ASPHALT ROAD
GRASS
THICK BRUSH WOODED
DENSE TREES & BRUSH
GROUNDWATER DIVIDE
LANDFILL LIMITS
PIPELINE R/W
FLOW
DIRT ROAD
ASPHALT
201 RB/CAP
DAYS INN MOTEL
VETLANDS
N 773,500
E 960,500
TF1 MW06 11.30
TF1 MW07 12.86
TF1 MW08 13.92
TF1 MW01 13.79
TF1 MW05 13.17
TF1 MW04 9.73
TF1 MW10 9.24
TF1 MW09 10.92
TF1 MW03 10.50
TF1 MW02 13.67
SCALE: 1" = 150'
0 100' 200' 300' 400' 500'
N
LEGEND
MONITORING WELL (TF1 MW06) INSTALLED DURING SSI (M&E 1995)
MONITORING WELL (TF1 MW01) INSTALLED DURING SI (EBASCO 1993)
9.73 GROUNDWATER ELEVATION (FT-MSL)
APPROXIMATE EXTENT OF LANDFILL
TREE LINE
DRAINAGE DITCH
PAVED ROAD
DIRT ROAD
HW HEADWALL
GPS CONTROL MONUMENT
P POWER LINE
R/W RIGHT OF WAY
STATE PLANE COORDINATES
FLOW DIRECTION
12 GROUNDWATER CONTOUR (FT-MSL) GROUNDWATER CONTOUR INTERVAL - 1.0 FT.
GROUNDWATER FLOW DIRECTION
NOTE:
GROUNDWATER ELEVATIONS CALCULATED FROM MEASUREMENTS TAKEN ON 14-NOV-95.
FIGURE 5.7
U.S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA
POTENTIOMETRIC SURFACE MAP
LANDFILL NO.1
TRAVIS FIELD
SAVANNAH GEORGIA
M&E METCALF & EDDY
APPROVED:
SCALE: 1" = 150'
DATE:



NOTE:
GROUNDWATER ELEVATIONS CALCULATED FROM MEASUREMENTS TAKEN ON 15-NOV-95.

FIGURE 5.10

U.S. ARMY
ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

POTENTIOMETRIC SURFACE MAP
LANDFILL NO. 2
TRAVIS FIELD

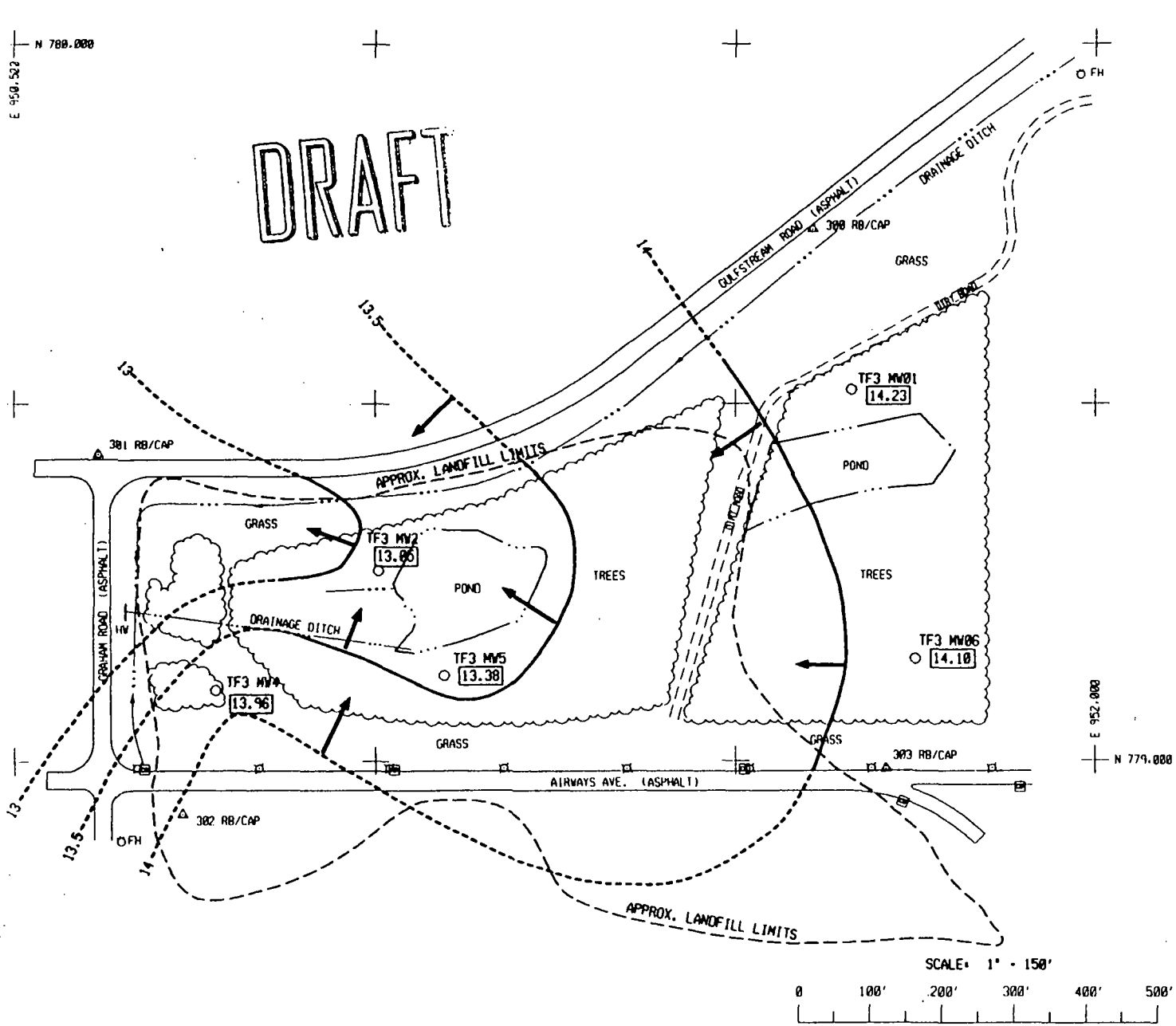
SAVANNAH GEORGIA

METCALF & EDDY

APPROVED:

SCALE: 1" = 150'

DATE:



LEGEND

- ○ MONITORING WELL (TF3 MW01) INSTALLED DURING SI (EBASCO 1993)
- [9.73] GROUNDWATER ELEVATION (FT-MSL)
- APPROXIMATE EXTENT OF LANDFILL
- TREE LINE
- DRAINAGE DITCH
- PAVED ROAD
- DIRT ROAD
- HW HEADWALL
- △ GPS CONTROL MONUMENT
- FIRE HYDRANT
- LIGHT POLE
- CATCH BASIN
- + STATE PLANE COORDINATES
- FLOW DIRECTION
- —12— GROUNDWATER CONTOUR (FT-MSL) GROUNDWATER CONTOUR INTERVAL = 0.5 FT.
- GROUNDWATER FLOW DIRECTION

NOTES:

1. GROUNDWATER ELEVATIONS CALCULATED FROM MEASUREMENTS TAKEN ON 18-NOV-95.
2. LANDFILL BOUNDARIES TAKEN FROM SITE INVESTIGATION REPORT, EBASCO ENVIRONMENTAL, AUG. 1993.

FIGURE 5.12

U.S. ARMY
ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

POTENTIOMETRIC SURFACE MAP
LANDFILL NO. 3
TRAVIS FIELD

SAVANNAH GEORGIA

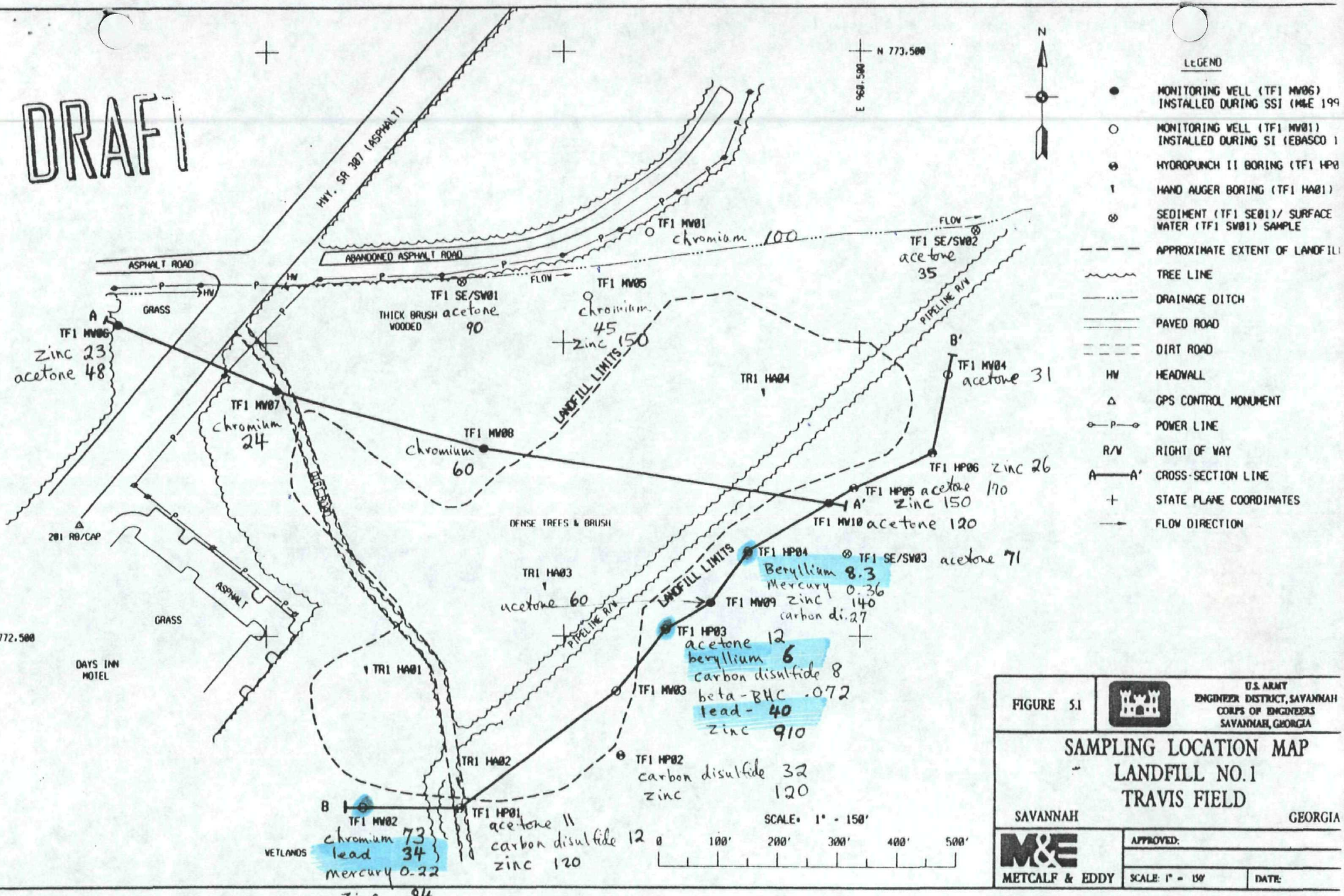
M&E
METCALF & EDDY

APPROVED:

SCALE: 1" = 150'

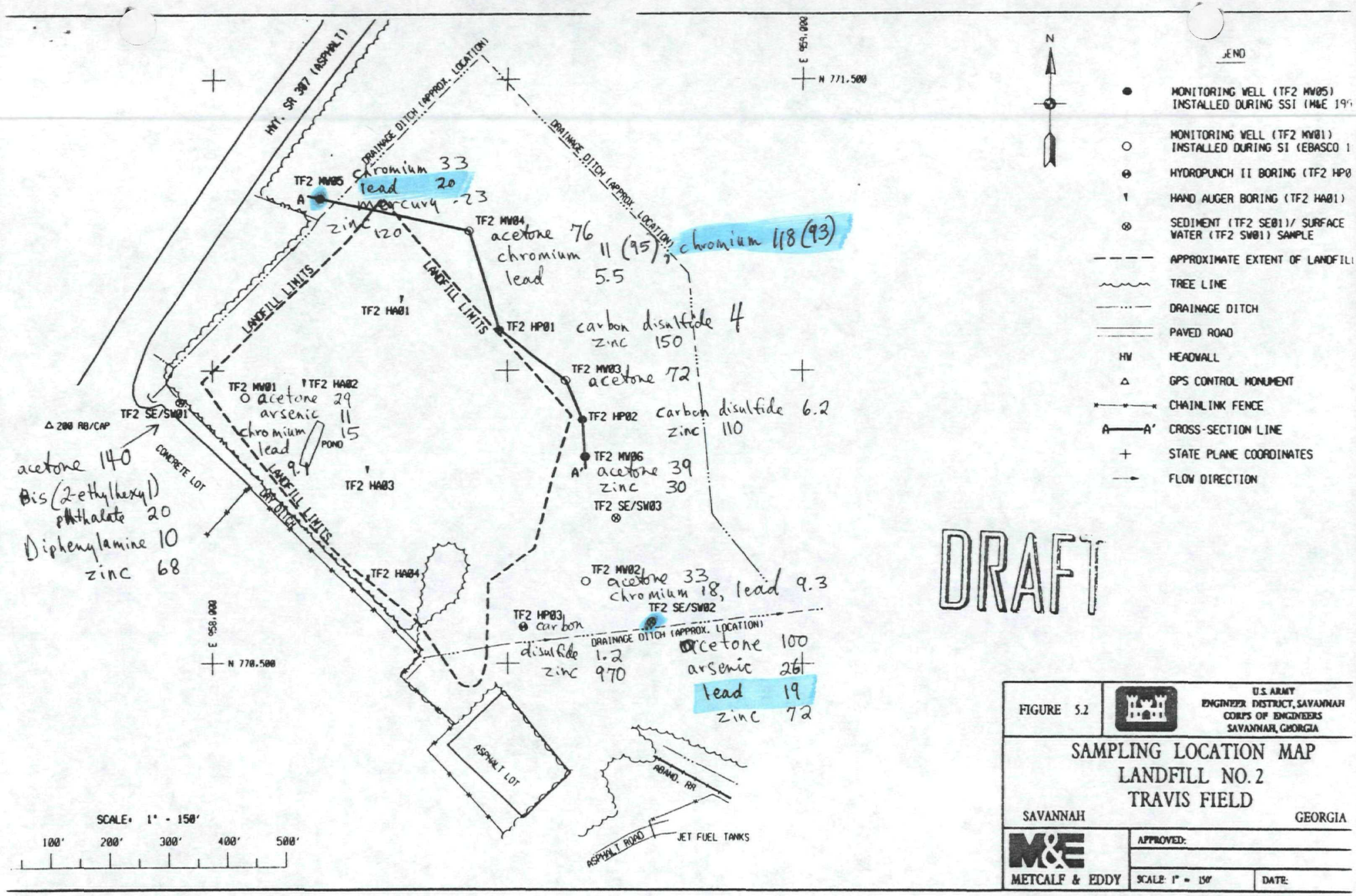
DATE:

APPENDIX D



Contaminants in Groundwater and Surface Water (ug/L)

Concentrations greater than the Federal MCLs.



Contaminants in Groundwater and Surface Water (ug/L)

Concentrations greater than the Federal MCL's

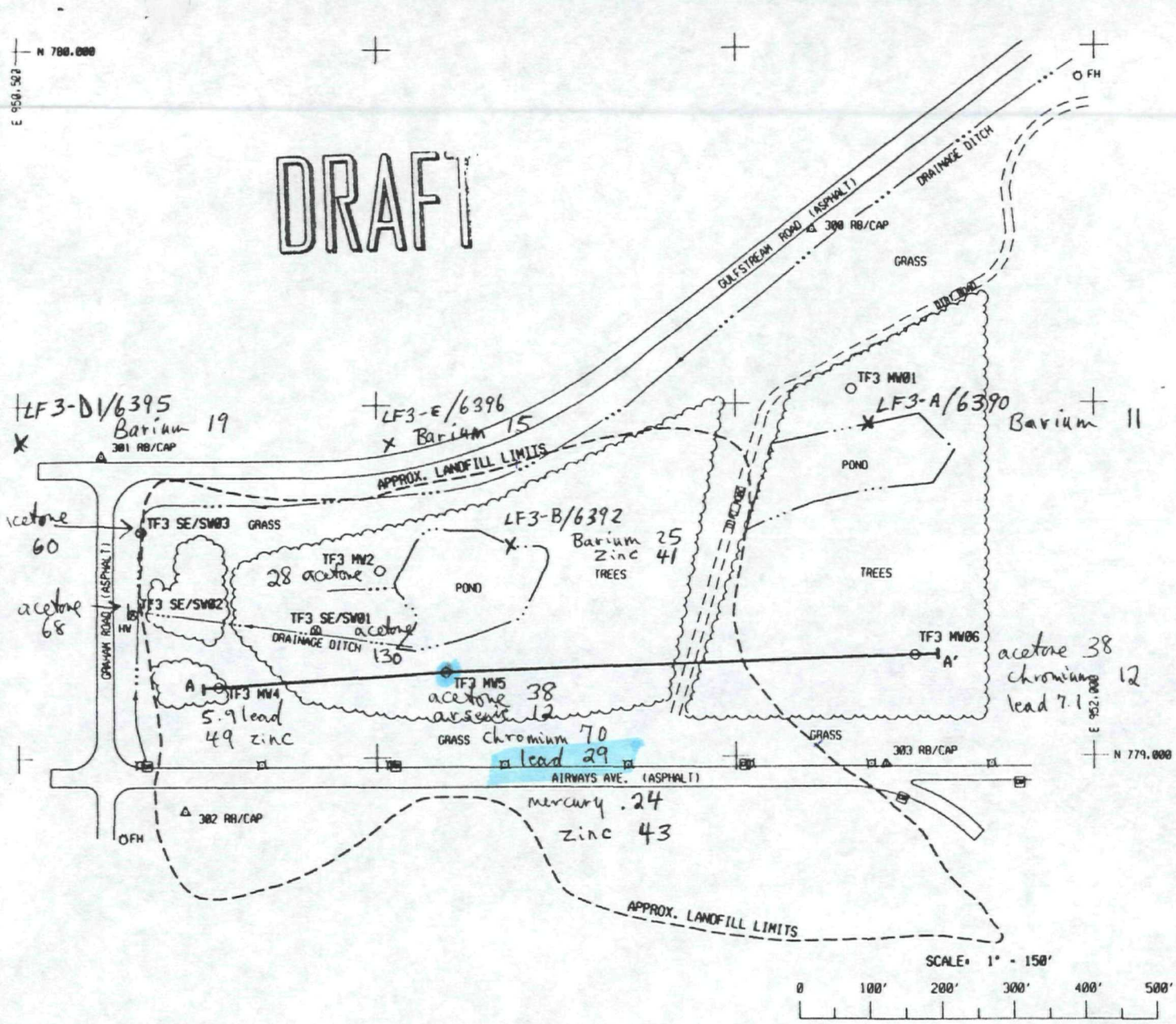


FIGURE 5.3

U.S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA

SAMPLING LOCATION MAP
LANDFILL NO. 3
TRAVIS FIELD

SAVANNAH GEORGIA

METCALF & EDDY

APPROVED:

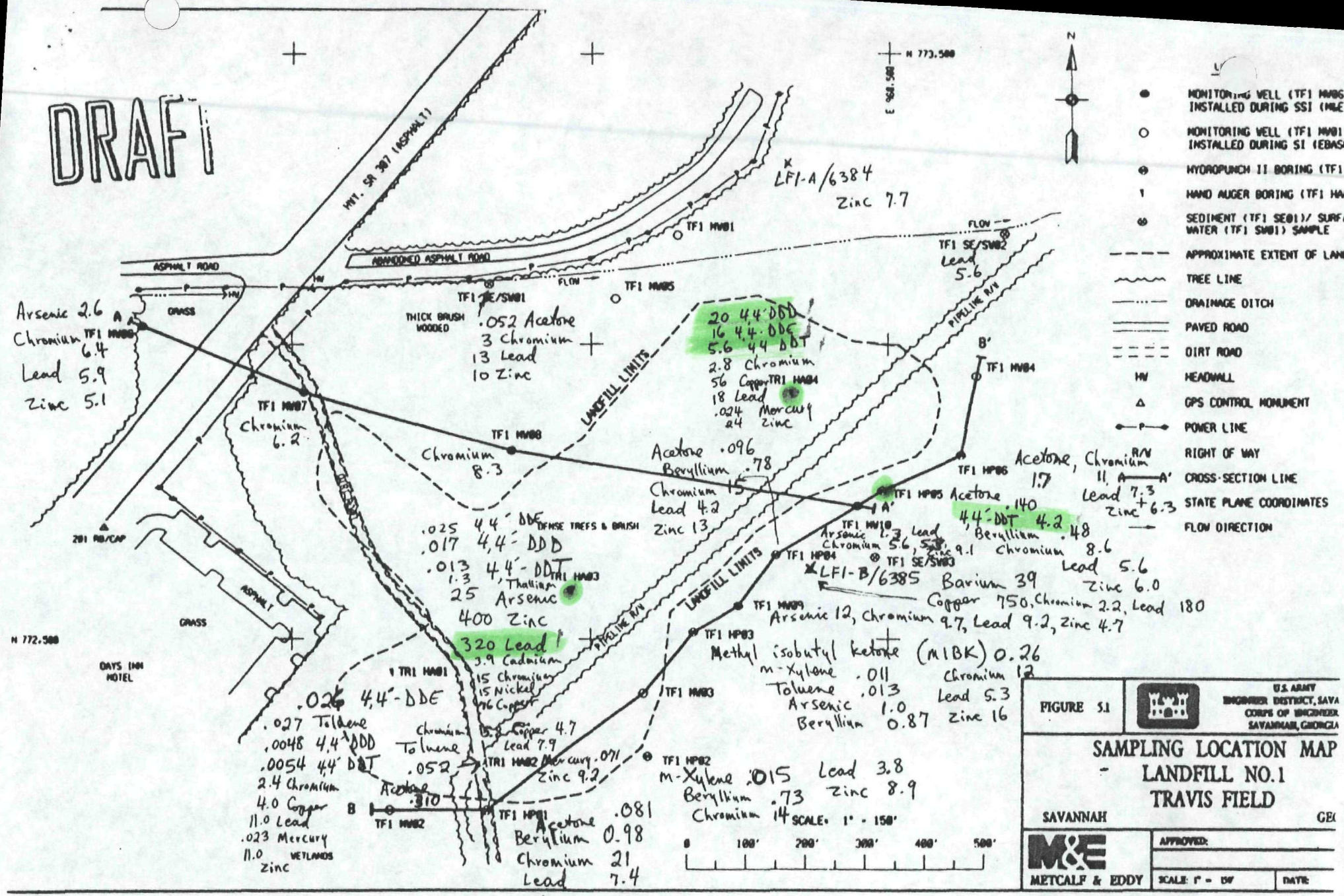
SCALE: 1" = 150'

DATE:

Contaminants in Groundwater and Surface Water (ug/L)

Concentration greater than the Federal MCL

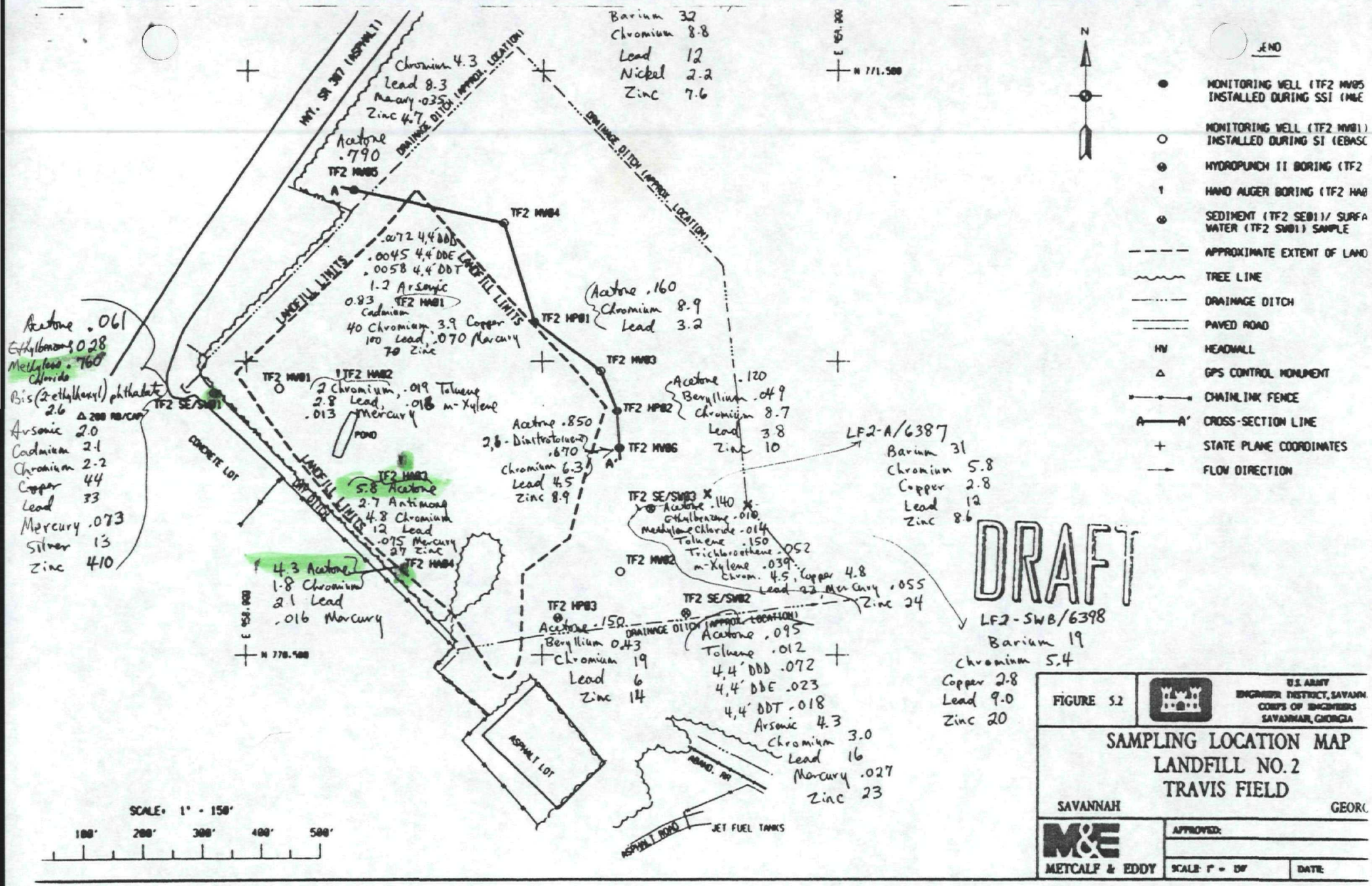
LF3 samples collected during EPD SI sampling event (2-97)



Contaminants in Soil and Sediment (mg/kg)

= Concentrations greater than the HSRA soil notification levels.

LF1 Samples Collected during EPD SI Sampling Event (2.97)



Contaminants in Soil and Sediment (mg/kg)

LF2 Samples Collected during EPD SI Sampling Event (2-97)

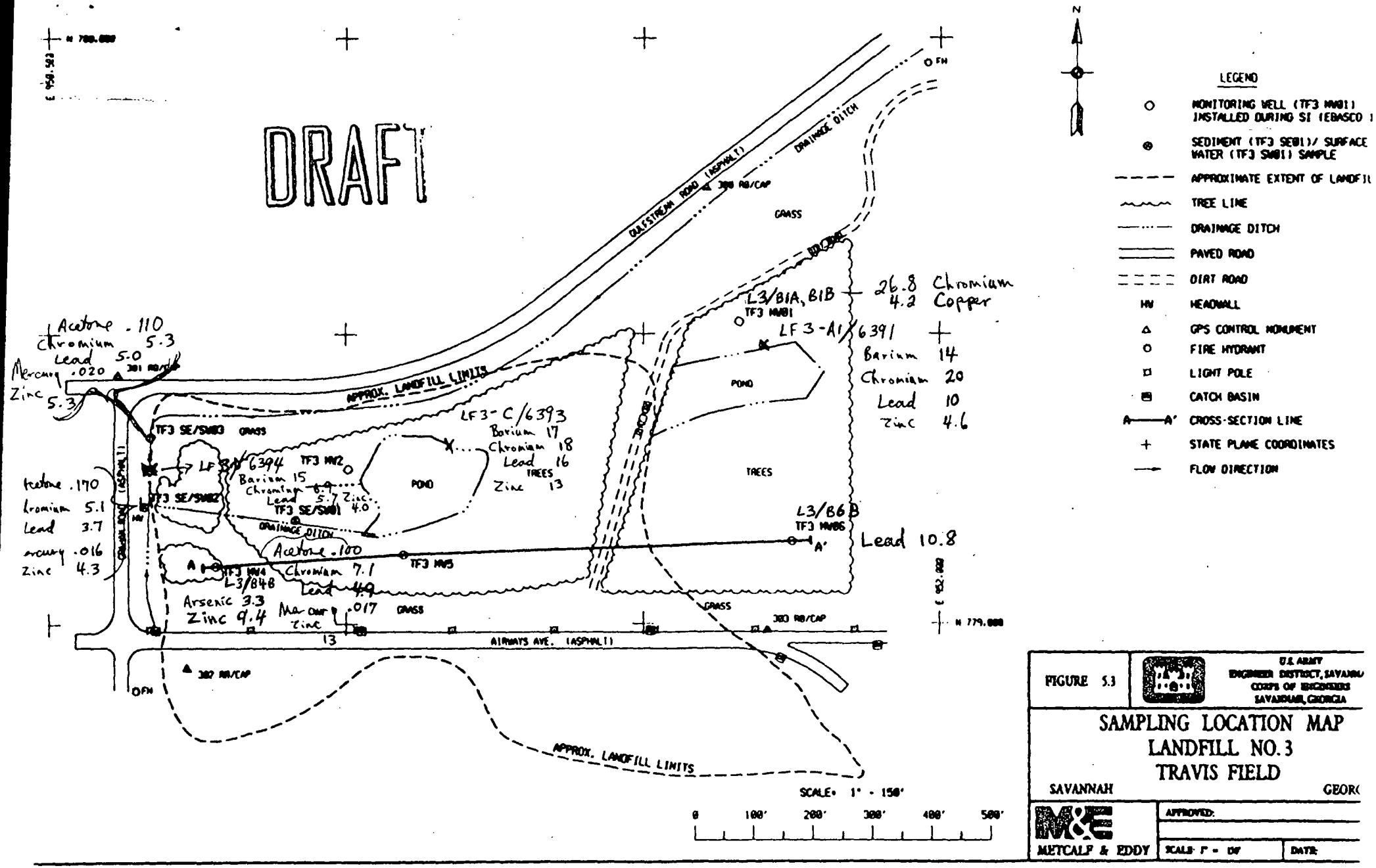


FIGURE 5.3

U.S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA

SAMPLING LOCATION MAP
LANDFILL NO. 3
TRAVIS FIELD

SAVANNAH GEORGIA

METCALF & EDDY

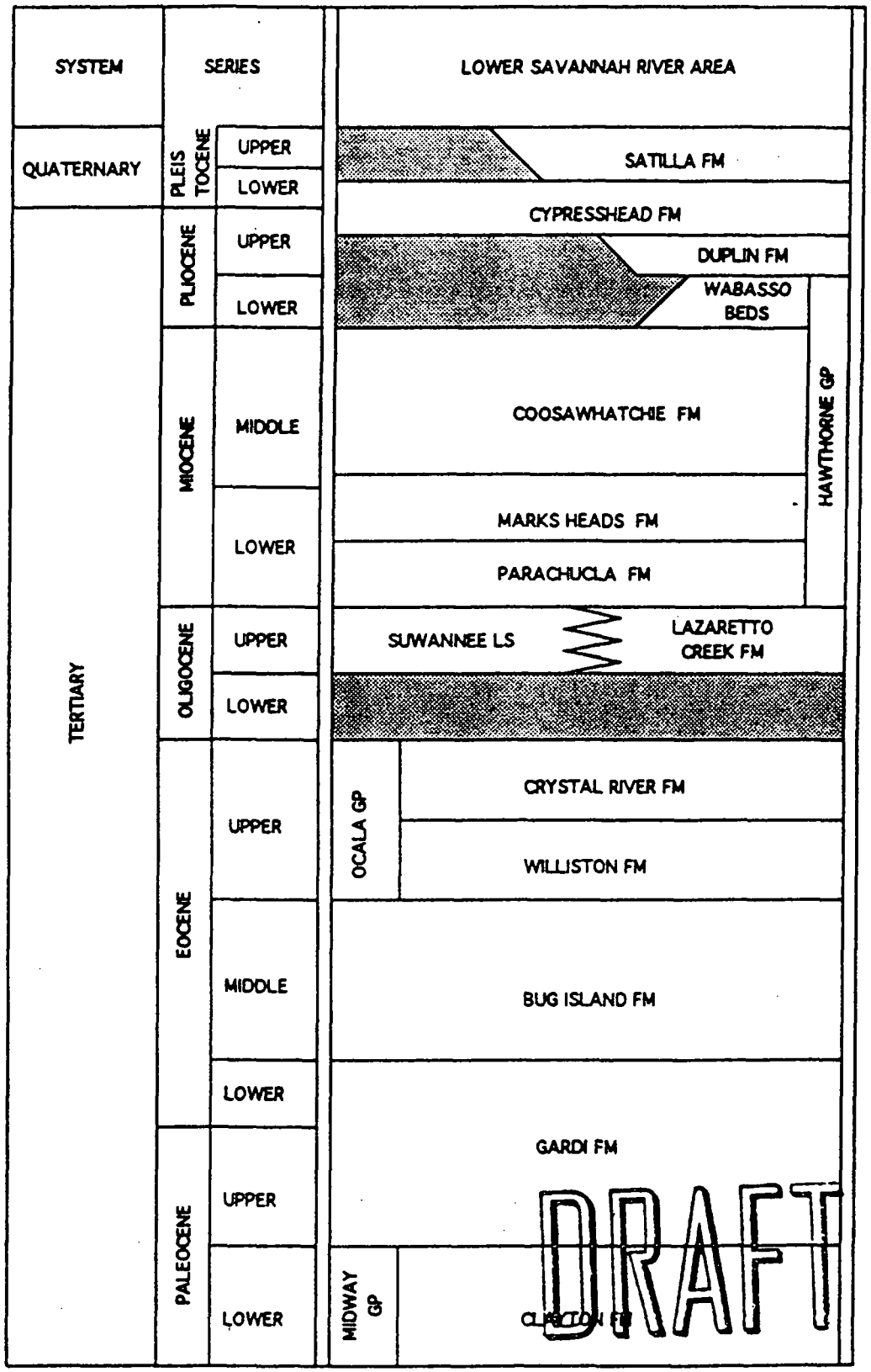
APPROVED:

SCALE: 1" = 150' DATE:

Contaminants in Soil and Sediment (mg/kg)

LF3 Samples Collected during EPD SI Sampling Event (2-97)

Appendix E



SOURCE:

HYDROGEOLOGIC EVALUATION FOR UNDERGROUND INJECTION CONTROL IN THE COASTAL PLAIN OF GEORGIA, HYDROLOGIC ATLAS 10, 1984

FIGURE 3.1
STRATIGRAPHIC COLUMN FOR TRAVIS FIELD AREA

Appendix F

FAX TRANSMITTAL SHEET

GEORGIA DEPARTMENT OF NATURAL RESOURCES
WILDLIFE RESOURCES DIVISION
GEORGIA NATURAL HERITAGE PROGRAM (GNHP)
2117 U.S. HWY 278 SE
SOCIAL CIRCLE, GA 30279
FAX (706) 557-3033

(770) 918-6411 (GIST 278) (706) 557-3032 (GIST 255)

FROM: Robyn MacBeth

TO: Tracey

AGENCY:

CITY & STATE:

DATE: 4/4/97 NO. OF PAGES INCLUDING COVER PAGE: 2

FAX NUMBER: 404 657-0807

MESSAGE:

Hope this helps!

Version of 5 April 1996

Special Concern Animals of Georgia

331 Taxa in List

Georgia Natural Heritage Program 2117 U.S. Hwy 278 SE, Social Circle, GA 30279, (770) 918-6411

Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status
ACANTHARCHUS POMOTIS	MUD SUNFISH	G5	S3		
ACIPENSER BREVIROSTRUM	SHORTNOSE STURGEON	G3	S2	LE	E
ACIPENSER FULVESCENS	LAKE STURGEON	G3	SH		
ACIPENSER OXYRHYNCHUS DESOTOI	GULF STURGEON	G3T1T2	SH	LT	
ACRONICTA ALBARUFA	ALBARUFAN DAGGERMOUTH	G3G4	S?		
AIMOPHILA AESTIVALIS	BACHMAN'S SPARROW	G3	S3		R
ALASMIDONTA ARCULA	ALTAMAHA ARC-MUSSEL	G1G2	S2?		
ALASMIDONTA MCCORDI	COOSA ELKTOE	GX	SH		
ALASMIDONTA VARICOSA	BROOK FLOATER	G3	S3?		
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	T(S/A)	
ALOSA ALABAMAE	ALABAMA SHAD	G4	S1		U
ALOSA CHRYSOCHLORIS	SKIPJACK HERRING	G5	S2?		
AMBLEMA NEISLERI	FAT THREERIDGE	G2	S1	PE	
AMBYSTOMA CINGULATUM	FLATWOODS SALAMANDER	G2G3	S3		R
AMEIURUS SERRACANTHUS	SPOTTED BULLHEAD	G3	S2		R
AMMODRAMUS HENSLOWII	HENSLOW'S SPARROW	G3G4	S3		
AMPHIUMA PHOLETER	ONE-TOED AMPHIUMA	G3	S1		R
ANEIDES AENEUS	GREEN SALAMANDER	G3G4	S2		R
APALONE MUTICA	SMOOTH SOFTSHELL	G5	SP		
APHODIUS FORDI	FORD'S APHODIUS SCARAB BEETLE	G1G3	S1S3		
AQUILA CHRYSAETOS	GOLDEN EAGLE	G5	S1		
ARAMUS GUARAUNA	LIMPKIN	G5	S1S2		
ATRYTONE AROGOS AROGOS	AROGOS SKIPPER	G3G4T1T2	SH		
BALAENOPTERA BOREALIS	SEI WHALE	G3	S?	LE	
BALAENOPTERA PHYSALUS	FINBACK WHALE	G3	S?	LE	
BELONEURIA GEORGIANA	GEORGIA BELONEURIAN STONEFLY	G1G3	S1S3		
BOTAURUS LENTIGINOSUS	AMERICAN BITTERN	G4	S3?		
CAMBARUS ENGLISHI	A CRAYFISH	G3	S1		
CAMBARUS EXTRANEUS	CHICKAMAUGA CRAYFISH	G3	S?		
CAMBARUS GEORGIAE	LITTLE TENNESSEE CRAYFISH	G1	S1		
CAMBARUS HIWASSEENSIS	HIWASSEE CRAYFISH	G4G5	S3		
CAMBARUS PARRISHI	A CRAYFISH	G1	S1		
CAMPEPHILUS PRINCIPALIS	IVORY-BILLED WOODPECKER	G1	SX	LE	E
CANIS RUFUS	RED WOLF	G1	SX	LEXN	
CARETTA CARETTA	LOGGERHEAD	G3	S3	LT	T
CATHARUS FUSCESCENS	VEERY	G5	S4		
CHARADRIUS MELODUS	PIPING PLOVER	G3	S1S2	LELT	T
CHARADRIUS WILSONIA	WILSON'S PLOVER	G5	S2S3		R
CHELONIA MYDAS	GREEN SEA TURTLE	G3	S1	LELT	T
CLEMMYS GUTTATA	SPOTTED TURTLE	G5	S3S4		U
CLEMMYS MUHLENBERGII	BOG TURTLE	G3	S1	C	T
CLETHRIONOMYS GAPPERI	SOUTHERN RED-BACKED VOLE	G5	S3S4		
COCCYZUS ERYTHROPTHALMUS	BLACK-BILLED CUCKOO	G5	S3?		
CONDYLURA CRISTATA	STAR-NOSED MOLE	G5	S2?		
CORDULEGASTER SAYI	SAY'S SPIKETAIL	G1G2	S1		
CORVUS CORAX	COMMON RAVEN	G5	SU		R
CORYNORHINUS RAFINESQUII	RAFINESQUE'S BIG-EARED BAT	G3G4	S3?		R
CRYPTOBRANCHUS ALLEGANIENSIS	HELLBENDER	G4	S3		R
CYCLEPTUS ELONGATUS	BLUE SUCKER	G3	SX		
CYPRINELLA CAERULEA	BLUE SHINER	G2	S1S2	LT	E
CYPRINELLA CALLISEMA	OCMULGEE SHINER	G3	S3		
CYPRINELLA CALLITAENIA	BLUESTRIPE SHINER	G2	S1		T
CYPRINELLA GALACTURA	WHITETAIL SHINER	G5	S3		
CYPRINELLA GIBBSI	TALLAPOOSA SHINER	G4	S3		R
CYPRINELLA LEEDSI	BANNERFIN SHINER	G3	S3S4		
CYPRINELLA MONACHA	SPOTFIN CHUB	G2	SH	LT	
CYPRINELLA NIVEA	WHITEFIN SHINER	G4	S3		
CYPRINELLA SPILOPTERA	SPOTFIN SHINER	G5	S2		
CYPRINELLA XAENURA	ALTAMAHA SHINER	G3?	S1S2		E
DENDROICA CERULEA	CERULEAN WARBLER	G4	S3?		
DENDROICA KIRTLANDII	KIRTLAND'S WARBLER	G1	S?N	LE	E
DERMOCHELYS CORIACEA	LEATHERBACK SEA TURTLE	G3	S1	LE	E
DESMOGNATHUS AENEUS	SEEPAGE SALAMANDER	G4	S3		
DESMOGNATHUS APALACHICOLAE	APALACHICOLA DUSKY SALAMANDER	G3	S1S2		
DOLANIA AMERICANA	AMERICAN SAND-BURROWING	G2	S?		
DORMITATOR MACULATUS	FAT SLEEPER	G5	S3		
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	T
EGRETTA RUFESCENS	REDDISH EGRET	G4	S2S3		
ELANOIDES FORFICATUS	AMERICAN SWALLOW-TAILED KITE	G5	S2		R

threatened due to Similar Appearance

(similar appearance to crocodile which is a rare animal)

RECEIVED

MAR 3 1 1997

HAZ. SITES RESPONSE PROG.

GEORGIA'S PROTECTED ANIMALS

(Edition of 15 November 1996)

Species	Federal Status	State Status
✓Acipenser brevirostrum (Shortnose Sturgeon)	E	E
Aimophila aestivalis (Bachman's Sparrow)		R
Alosa alabamae (Alabama Shad)		U
Ambystoma cingulatum (Flatwoods Salamander)		R
Ameiurus serracanthus (Spotted Bullhead)		R
Amphiuma pholeter (One-toed Amphiuma)		R
Aneides aeneus (Green Salamander)		R
Campephilus principalis (Ivory-billed Woodpecker)	E	E
✓Caretta caretta (Loggerhead Sea Turtle)	T	T
Charadrius melodus (Piping Plover)	T	T
Charadrius wilsonia (Wilson's Plover)		R
Chelonia mydas (Green Sea Turtle)	T	T
Clemmys guttata (Spotted Turtle)		U
Clemmys muhlenbergii (Bog Turtle)		T
Corvus corax (Common Raven)		R
Corynorhinus rafinesquii (Rafinesque's Big-eared Bat)		R
Cryptobranchus alleganiensis (Hellbender)		R
Cyprinella caerulea (Blue Shiner)	T	E
Cyprinella callitaenia (Bluestripe Shiner)		T
Cyprinella gibbsi (Tallapoosa Shiner)		R
Cyprinella xaenura (Altamaha Shiner)		E
Dendroica kirtlandii (Kirtland's Warbler)	E	E
Dermochelys coriacea (Leatherback Sea Turtle)	E	E
✓Drymarchon corais couperi (Eastern Indigo Snake)	T	T
Elanoides forficatus (Swallow-tailed Kite)		R
Enneacanthus chaetodon (Blackbanded Sunfish)		R
Epioblasma metastriata (Upland Combshell)	E	E
Epioblasma othcaloogensis (Southern Acornshell)	E	E
Eretmochelys imbricata (Hawksbill Sea Turtle)	E	E
Erimystax insignis (Blotched Chub)		T
Etheostoma brevirostrum (Holiday Darter)		T
Etheostoma chlorobranchium (Greenfin Darter)		T
Etheostoma chuckwachatte (Lipstick Darter)		E
Etheostoma ditrema (Coldwater Darter)		T
Etheostoma duryi (Black Darter)		R
Etheostoma etowahae (Etowah Darter)	E	T
Etheostoma parvipinne (Goldstripe Darter)		R
Etheostoma scotti (Cherokee Darter)	T	T
Etheostoma tallapoosae (Tallapoosa Darter)		R
Etheostoma trisella (Trispot Darter)		T
Etheostoma vulneratum (Wounded Darter)		E
Eubalaena glacialis (Northern Right Whale)	E	E
Falco peregrinus anatum (American Peregrine Falcon)	E	E
Felis concolor coryi (Florida Panther)	E	E
Felis concolor couguar (Eastern Cougar)	E	E
Fundulus auroguttatus (Banded Topminnow)		R

Species	Federal Status	State Status
[illegible]oides borealis (Red-cockaded Woodpecker)	E	E
[illegible]thodon petraeus (Pigeon Mountain Salamander)		R
Pleurobema decisum (Southern Clubshell)	E	E
Pleurobema georgianum (Southern Pigtoe)	E	E
Pleurobema perovatum (Ovate Clubshell)	E	E
Pteronotropis euryzonus (Broadstripe Shiner)		R
Pteronotropis welaka (Bluenose Shiner)		R
Ptychobranchus greeni (Triangular Kidneyshell)	E	E
Sterna antillarum (Least Tern)		R
Sterna nilotica (Gull-billed Tern)		T
Sylvilagus obscurus (Appalachian Cottontail)		R
Thryomanes bewickii (Bewick's Wren)		R
Trichechus manatus (West Indian Manatee)	E	E
Typhlichthys subterraneus (Southern Cavefish)		R
Vermivora bachmanii (Bachman's Warbler)	E	E
(TOTAL PROTECTED)	(38)	(111)

Key:

E = Endangered
T = Threatened
R = Rare
U = Unusual, thus deserves special consideration

Additional animals are under consideration. Current information on the status of rare animals may be obtained by contacting either:

Department of Natural Resources
Wildlife Resources Division
Georgia Natural Heritage Program
2117 US Hwy 278 SE
Social Circle, Georgia 30279
(770) 918-6411

or

Department of Natural Resources
Wildlife Resources Division
Nongame-Endangered Wildlife Program
116 Rum Creek Drive
Forsyth, Georgia 31029
(912) 994-1438

The Georgia Natural Heritage Program maintains records on rare animals for the State of Georgia; we gather information continuously from all sources and welcome inquiries concerning the status of Georgia's native animal species. During 1992, Georgia's list of protected animals was increased from 21 to 111 species [effective 24 November 1992].

GEORGIA'S PROTECTED PLANTS

(Edition of 20 March 1996)

Species [dates when federally listed]	Federal Status	State Status
Allium speculae (Flatrock Onion)		T
Amphianthus pusillus (Pool Sprite) [5 Feb 88]	T	T
Arabis georgiana (Georgia Rockcress)		T
Asplenium heteroresiliens (Spleenwort)		T
Balduina atropurpurea (Purple Honeycomb Head)		R
Baptisia arachnifera (Hairy Rattleweed) [26 Apr 78]	E	E
Bumelia thornei (Swamp Buckthorn)		E
Cacalia diversifolia (Indian Plantain)		T
Calamintha ashei (Ohoopee Wild Basil)		T
Carex baltzellii (Baltzell Sedge)		E
Carex biltmoreana (Biltmore Sedge)		T
Carex dasycarpa (Velvet Sedge)		R
Carex manhartii (Manhart Sedge)		T
Carex misera (Wretched Sedge)		T
Carex purpurifera (Purple Sedge)		T
Ceratiola ericoides (Rosemary)		T
Chamaecyparis thyoides (Atlantic White-cedar)		R
Chrysopsis pinifolia (Sandhill Goldenaster)		T
Croomia pauciflora (Croomia)		T
Cuscuta harperi (Harper Dodder)		T
Cymophyllus fraseri (Fraser Sedge)		T
Cypripedium acaule (Pink Ladyslipper)		U
Cypripedium calceolus (Yellow Ladyslipper)		U
Draba aprica (Granite Whitlow-wort)		E
Echinacea laevigata (Smooth Purple Coneflower) [8 Oct 92]	E	T
Elliottia racemosa (Georgia Plume)		T
Epidendrum conopseum (Greenfly Orchid)		U
Evolvulus sericeus (Silky Morning-glory)		E
Fimbristylis perpusilla (Harper Fimbristylis)		E
Fothergilla gardenii (Dwarf Witch-alder)		T
Gentianopsis crinita (Fringed Gentian)		T
Hartwrightia floridana (Hartwrightia)		T
Helonias bullata (Swamp Pink) [9 Sep 88]	T	T
Hexastylis shuttleworthii var. harperi (Harper Wild Ginger)		U
Hydrastis canadensis (Goldenseal)		E
Hymenocallis coronaria (Shoals Spiderlily)		E
Illicium floridanum (Florida Anise)		E
Isoetes melanospora (Black-spored Quillwort) [5 Feb 88]	E	E
Isoetes tegetiformans (Mat-forming Quillwort) [5 Feb 88]	E	E
Isotria medeoloides (Small Whorled Pogonia) [7 Nov 94]	T	T
Jeffersonia diphylla (Twinleaf)		E
Leavenworthia exigua var. exigua (Least Gladecress)		T
Lindera melissifolia (Pondberry) [31 Jul 86]	E	E
Lindernia saxicola (False Pimpernel)		E
Litsea aestivalis (Pond Spice)		T

ecies [dates when federally listed]	Federal Status	State Status
Torreya taxifolia (Florida Torreya) [23 Jan 84]	E	E
Trientalis borealis (Starflower)		E
Trillium persistens (Persistent Trillium) [26 Apr 78]	E	E
Trillium reliquum (Relict Trillium) [4 Apr 88]	E	E
Veratrum woodii (Ozark Bunchflower)		R
Viburnum bracteatum (Limerock Arrow-wood)		E
Waldsteinia lobata (Piedmont Barren Strawberry)		T
Xerophyllum asphodeloides (Eastern Turkeybeard)		R
Xyris tennesseensis (Tennessee Yellow-eyed Grass) [26 Jul 91]	E	E
(TOTAL PROTECTED)	(23)	(103)

KEY:
T = Threatened
E = Endangered
R = Rare
U = Unusual

This list of officially protected plants now has 103 species and is continually under revision. Within 1988, for instance, an additional seven plants were added under provisions of the federal Endangered Species Act of 1973 and the Georgia Wildflower Preservation Act of 1973, as amended. In 1996, the United States Fish and Wildlife Service revised procedures for recognizing candidates for listing. As a result, there are no longer any candidates for listing among Georgia's protected plants. Current information on the status of protected plants may be obtained by contacting:

Georgia Department of Natural Resources
Wildlife Resources Division
Georgia Natural Heritage Program
2117 US Hwy 278 SE
Social Circle, Georgia 30279
(706) 557-3032 or (770) 918-6411

The Georgia Natural Heritage Program (GNHP) maintains records on protected plants, as well as all rare native plants, for the State of Georgia. Information is gathered continuously from all sources. Inquiries are encouraged concerning the status of Georgia's native plant species. During 1992, Georgia's list of protected plants was increased from 58 to 103 species [effective 24 November 1992]. In November 1994, the status of the small whorled pogonia, a rare orchid known as Isotria medeoloides, was changed from Endangered to Threatened.

Background Sample collected in Chatham County
(Only sample in database for Chatham County)

Sampleno	Lat	Long	Ba	Cr	Cu	Ni	Pb	Zn
)50651	32.20000	81.1833	300.000	50.000	7.000	10.000	20.000	25.000

Sample was collected by the U.S.G.S. for background soil samples study. Published in 1981.
Samples were collected at a depth of 8 inches below the land surface.

Appendix G

U.S. EPA REGION IV

SDMS

Unscannable Material Target Sheet

DocID: 10730243 Site ID: GAD984307918

Site Name: Fay-Travis

Nature of Material:

Map:	☐	Computer Disks:	☐
Photos:	☑	CD-ROM:	☐
Blueprints:	☐	Oversized Report:	☐
Slides:	☐	Log Book:	☐

Other (describe): Site Photos

Amount of material:

* Please contact the appropriate Records Center to view the material *

Appendix H

Site Inspection
Site Sampling Plan

Travis Field
Savannah, Chatham County, Georgia

EPA ID# GAD984307918
CERCLIS # 05843

Prepared for U.S. Environmental Protection Agency
Region IV

Prepared by Tracy L. Heard
Environmental Specialist

Georgia Environmental Protection Division
Hazardous Waste Management Branch

February 17, 1997

Reviewed by: Mark Smith

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- Historical Site Operations 3
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INTRODUCTION

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the Georgia Environmental Protection Division (EPD) is conducting a Site Inspection Sampling Event at Travis Field, located in Chatham County, Georgia (EPA ID# GAD984307918, CERCLIS # 05843). The purpose of the investigation is to gather data which is necessary to further evaluate the site and to verify the scoring conducted during the September 1996 Preliminary Assessment.

SITE DESCRIPTION AND REGULATORY AND OPERATIONAL HISTORY

Location

The Travis Field site consists of three abandoned landfills located on the former Chatham Army Airfield. The airport is now owned and operated by the City of Savannah as the Savannah International Airport. Travis Field is located in the northwest quadrant of Chatham County, Georgia, approximately 8 miles northwest of Savannah, Georgia. All three of the sites are located off of Georgia State Route 307 (Dean Forest Road).

Landfill No. 1 is an inactive landfill located at LAT 32° 7' 12.65"/LONG 81° 11' 5.8", which is approximately 750 feet east of State Route 307. Landfill No. 1 is the largest of the three landfill areas and covers approximately 15 acres. The landfill was built on a former wetland and is surrounded by wetland areas. Although the site topography is rather flat, access to the site is difficult due to dense brush and trees.

Landfill No. 2 is an inactive landfill located at LAT 32° 7' 5.17"/LONG 81° 11' 18.3". It is also located off of State Route 307 and is located southwest of landfill no. 1. The landfill covers approximately 7 acres. A drainage ditch borders the southern boundary of the site. An active gas station and a Georgia Air National Guard (GANG) Petroleum, Oils and Lubricant (POL) depot are located across the drainage ditch from the site. This landfill was also built on a former wetland and is heavily overgrown with vegetation making access to the site difficult.

Landfill No. 3 is an inactive landfill located at LAT 32° 8' 16.71"/LONG 81° 12' 49.65" The site is located between Gulfstream Road and Airways Road in the northwest quadrant of the Savannah International Airport. The site covers approximately 12 acres and is located approximately 1,000 feet northwest of the air traffic control tower. A large pond is located in the middle of the site. Adjacent to the pond is a large hill which may be a result from previously excavating the area that is now the pond. The site is located in a wetland habitat. St. Augustine Creek is located across Gulfstream Road from the site (see Figure 1).

Historical Site Operations

Between September 1, 1942, and May 8, 1944, the Army Air Force acquired 2, 462.29 acres for Travis Field. The original acquisition was for use by the Army Air Force as an emergency auxiliary landing field. The site was eventually used as a command base and training station for the Second Bomb Wing of the Army Air Corps. The airport became known as Chatham Field. Military development ceased after World War II. Most of the airfield was declared Surplus on April 3, 1947. Complete withdrawal from the War Assets Administration was approved in October 1948. A Certificate of Transfer, dated November 28, 1948, conveyed the property from the War Assets Administration to the Air Force, and the name Chatham Field was changed to Chatham Air Force Base on June 23, 1949. All property leased or owned by the Federal Government was transferred to the City of Savannah for use as a civilian airport on July 5, 1950. Since 1950, the property that included landfills no.1 and no. 2 was sold to private sector interests, and this property is currently owned by Norfolk Southern Railway Company. Landfill no. 3 is still on Savannah International Airport property.

At landfill no. 1, documented disposed material included construction material/debris, appliance parts, pole timbers, shingles (suspected asbestos-containing materials (ACM)), and unlabelled drums of unknown content. The landfill materials were not identified during the on-site reconnaissance, however most of the site could not be accessed due to the overgrown vegetation.

At landfill no. 2, numerous 55-gallon drums were noted by the consultants for the Corps of Engineers. The drums had labels identifying the drum contents as lube oil, used JP-4, and solvents. In addition, landfill no. 2 contained spent oil filters, paint cans, suspected ACM shingles, parts cleaning equipment, and construction materials. During the on-site reconnaissance, various household waste and paint cans were identified. Again, the entire site could not be accessed due to the overgrown vegetation.

At landfill no.3, documented debris included numerous drums, paint cans, oil filters, cleaning solvent containers, 5-gallon plastic cans, metal debris, suspected ACM shingles, and appliance parts. During the on-site reconnaissance, drums were identified in different locations across the site. Also, a low lying area, which is located next to the large pond and adjacent to the large hill, was identified which contained various solid waste including paint cans, drums, and car parts.

Removal activities have not taken place at any of the landfill sites. The investigation derived wastes (IDW) are currently located in drums on site [Ref. 2].

Past Activities

The Army Corps of Engineers has conducted subsurface investigations and site assessments at the site as part of the United States Army Corps of Engineer's Defense Environmental Restoration Program--Formerly Utilized Defense Sites (DERP-FUDS) Program. A phase I site investigation was conducted in 1993 by Ebasco to determine if the three landfills had contaminated the soil and groundwater from past Department of Defense activities.

A supplemental site investigation was conducted in 1995 to gather additional information and data in regards to the contamination previously identified in 1993. Information regarding potential receptors and the surrounding areas was researched in order to evaluate the site and its associated risk to human health and the environment. The results of the supplemental site investigation were submitted to EPD in July of 1996. The investigations included conductivity and electromagnetic surveys to identify the boundaries of the landfill areas. The investigations also included the sampling and analyses of soil and groundwater.

COLLECTION OF NON-SAMPLING DATA

A visual site inspection will be conducted to verify the presence and characteristics of the reported surface water bodies located on landfills #1 and #2 to the definition of a surface water body (containing water year-round). The absence of water in the ditches may affect the scoring of the surface water pathway.

SAMPLING ACTIVITIES

Objectives

The purpose of the sampling event is to verify contamination in the reported surface water bodies and to also gather data that was lacking from the previously conducted investigations at the site. The site inspection sampling will be geared toward suspected contaminated receptors and possible migration pathways. The results of the sampling event may alter the previously conducted scoring of the site.

Instructions for all Field Activities

A field reconnaissance will be conducted on all three landfill sites by two EPD staff members. While conducting the reconnaissance, information will be documented regarding any hydrologic barriers, on-site surface water bodies, nearby off-site surface water bodies, and potential migration pathways. The quality assurance program for the sampling event will consist of collecting a sample duplicate, and a field blank. Trip blanks will not be collected during the sampling event due to the lack of need for the testing of volatiles. Rinseate blanks will not be collected since decontamination measures will not take place on site.

The area to be sampled on landfill #1 is an area downgradient of the landfill which was reported as being a surface water body. If surface water is present, then a sediment sample will be collected for analyses. If surface water is not present, then a soil sample will be collected. Please refer to Figures 1 and 2 for the proposed sampling location and the potentiometric map [Ref. 1]. A soil sample will also be collected from an area not suspected to be contaminated. This sample will be evaluated as a background sample. Table 1 contains the proposed analyses.

The area to be sampled on landfill #2 is also downgradient of the landfill. A sediment sample or a soil sample, dependent on the presence or absence of a surface water body, will be collected from the location. A soil sample will also be collected from an area not suspected to be contaminated. Please refer to Figures 3 and 4 for the proposed sampling location and the potentiometric map [Ref. 1].

The on-site pond located at landfill #3 will be sampled and analyzed. The pond has not been sampled to date and is suspected to be contaminated. An upgradient pond, not suspected to be contaminated, will be sampled for a surface water background concentration. A ditch, located between the pond and the probable point of entry to St. Augustine Creek will be sampled to determine if the ditch is a possible migration pathway. The probable point of entry to the creek will also be sampled along with an upgradient creek sample. A soil sample will also be collected from an area not suspected to be contaminated. Please refer to Figures 5 and 6 for the proposed sampling location and the potentiometric map [Ref. 1]. Please refer to Table 1 for the proposed analyses.

The samples will not be filtered. The purpose behind all of the sampling locations is to gather additional data on the surface water pathway.

PROJECT MANAGEMENT

Sampling Crew

Two EPD staff members will conduct the field reconnaissance and sampling event at the site. Tracy Heard, an environmental specialist, will choose the sampling locations and organize the sampling event. Rusty Kestle, a geologist, will provide oversight for the sampling event and will assist with the sample collection. Soil, sediment, and surface water samples will be collected during the sampling event. The samples will be collected via hand augers, stainless steel spoons, and water dippers. Decontamination will not take place due to the fact that clean, sampling equipment will be used for each sample. The sample containers are all sterile and contain the necessary preservatives for analyses. All of the samples will be analyzed by the EPD laboratory and the various analyses include metals, pesticides, and BTEX.

Two 8-hour days, February 26 and February 27, 1997, are being allocated for the field reconnaissance and the sampling event. The samples will be delivered to the EPD laboratory in Atlanta.

The project manager of the site under the Army Corps of Engineers will be notified of the investigation and will be sent a copy of the sampling plan approximately one week before the sampling event.

References

1. Ebasco, 1996. Draft Final Report/Supplemental Site Investigation of Three Abandoned Landfill Sites.

2. Site Reconnaissance, Travis Field Site, Savannah, Chatham County, August 7-8, 1996, conducted by Tracy L. Heard and Mark Smith.

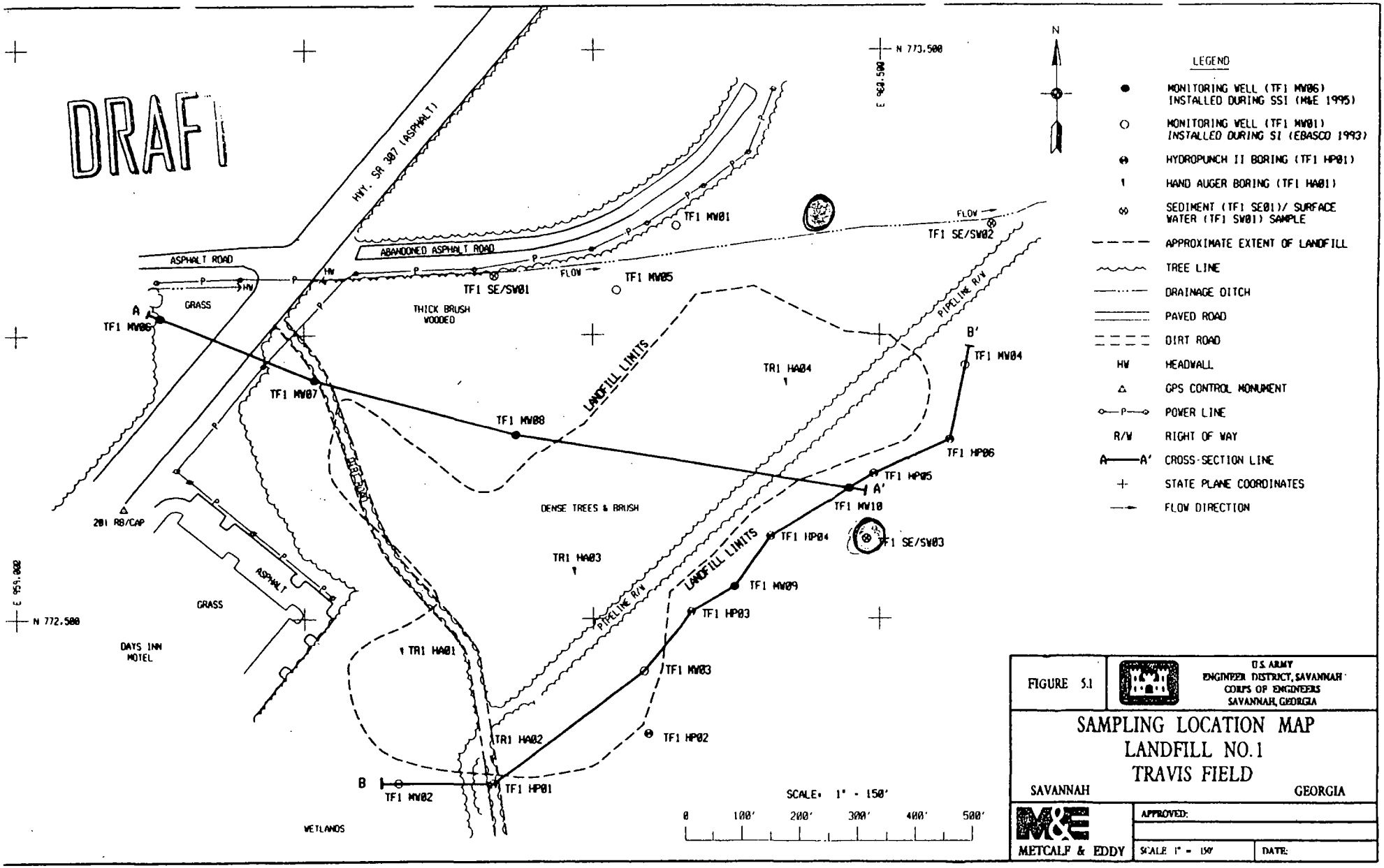


Figure 1

SI Sampling Plan

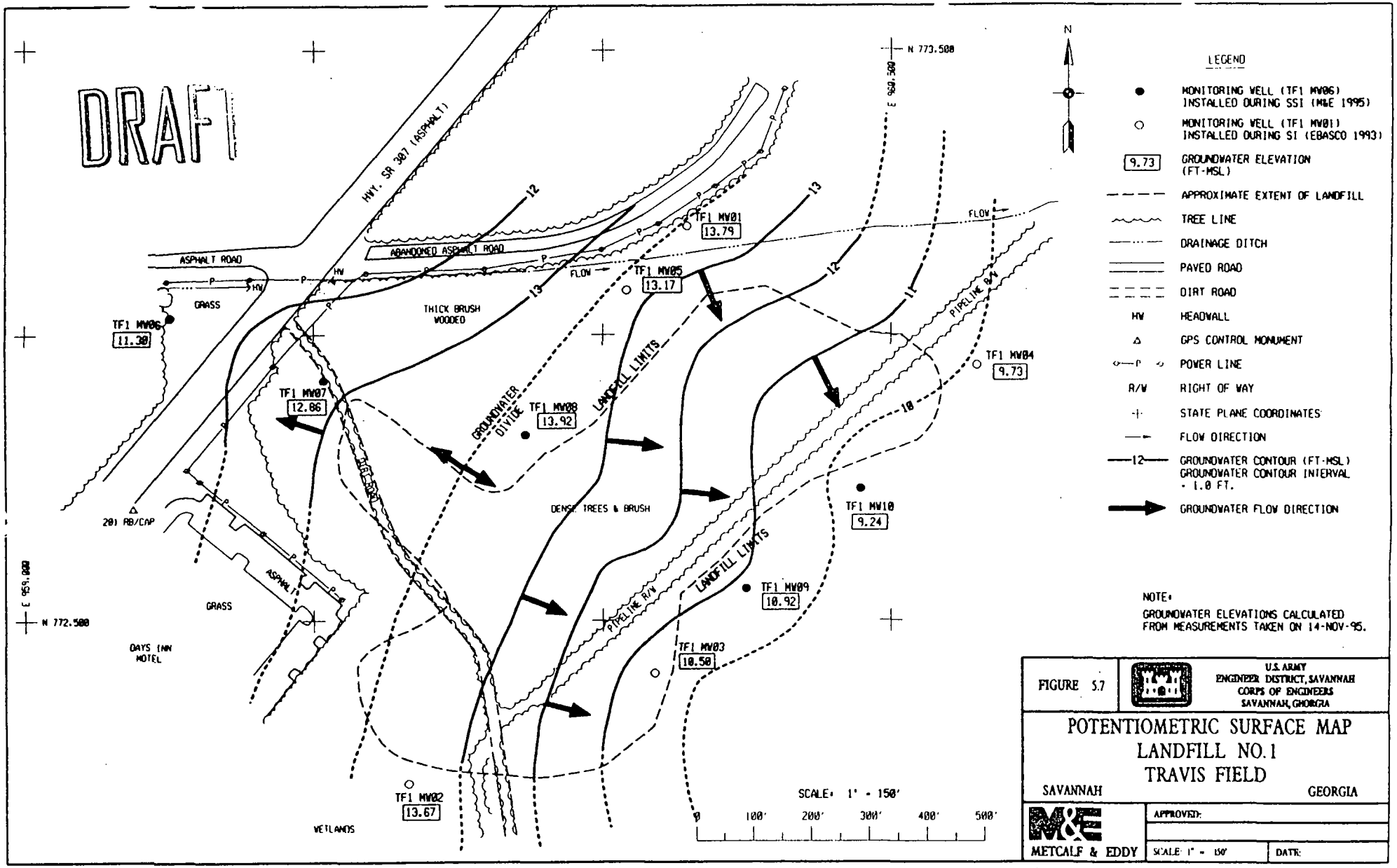


Figure 2

SI Sampling Plan

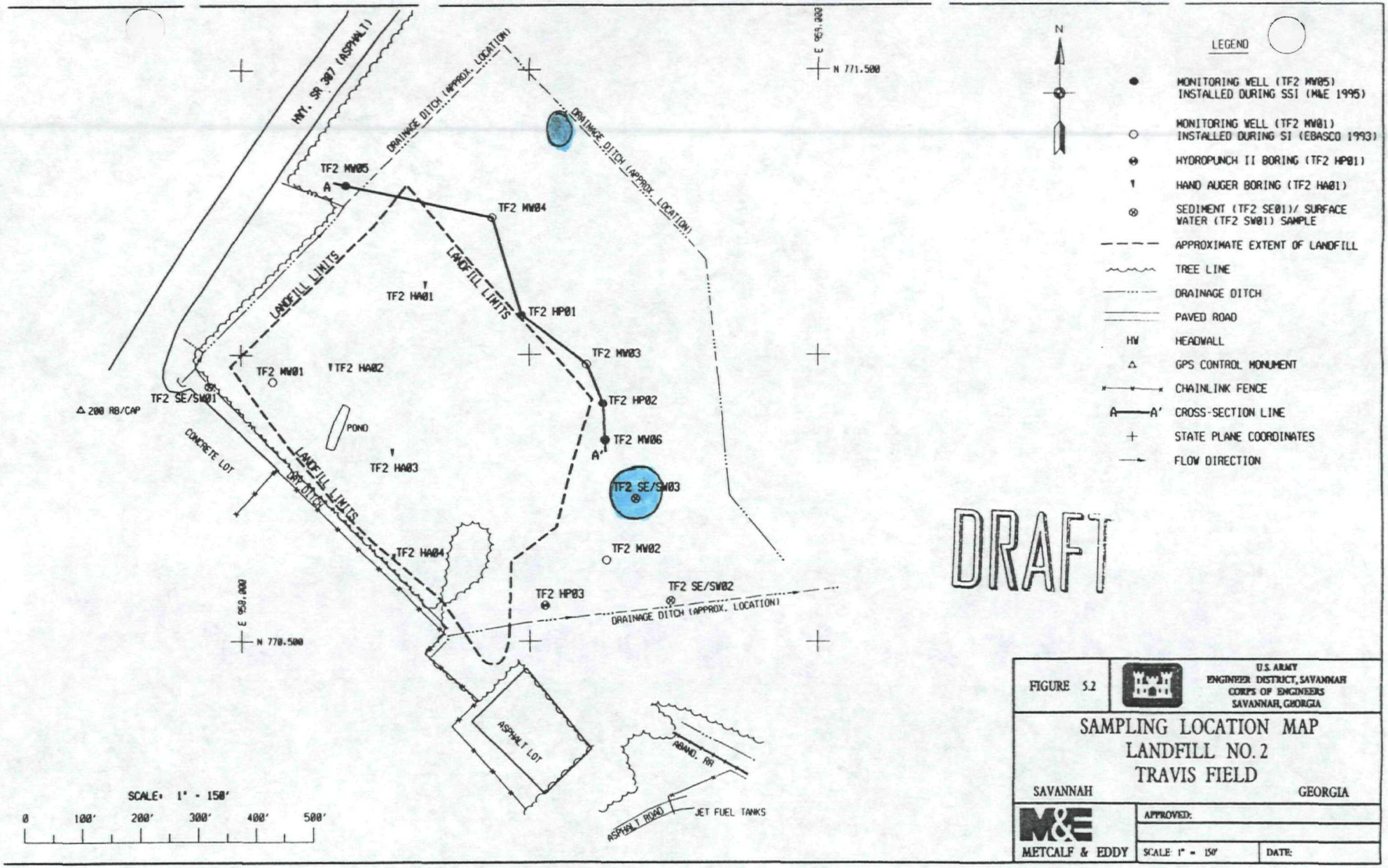


Figure 3

SI Sampling Plan

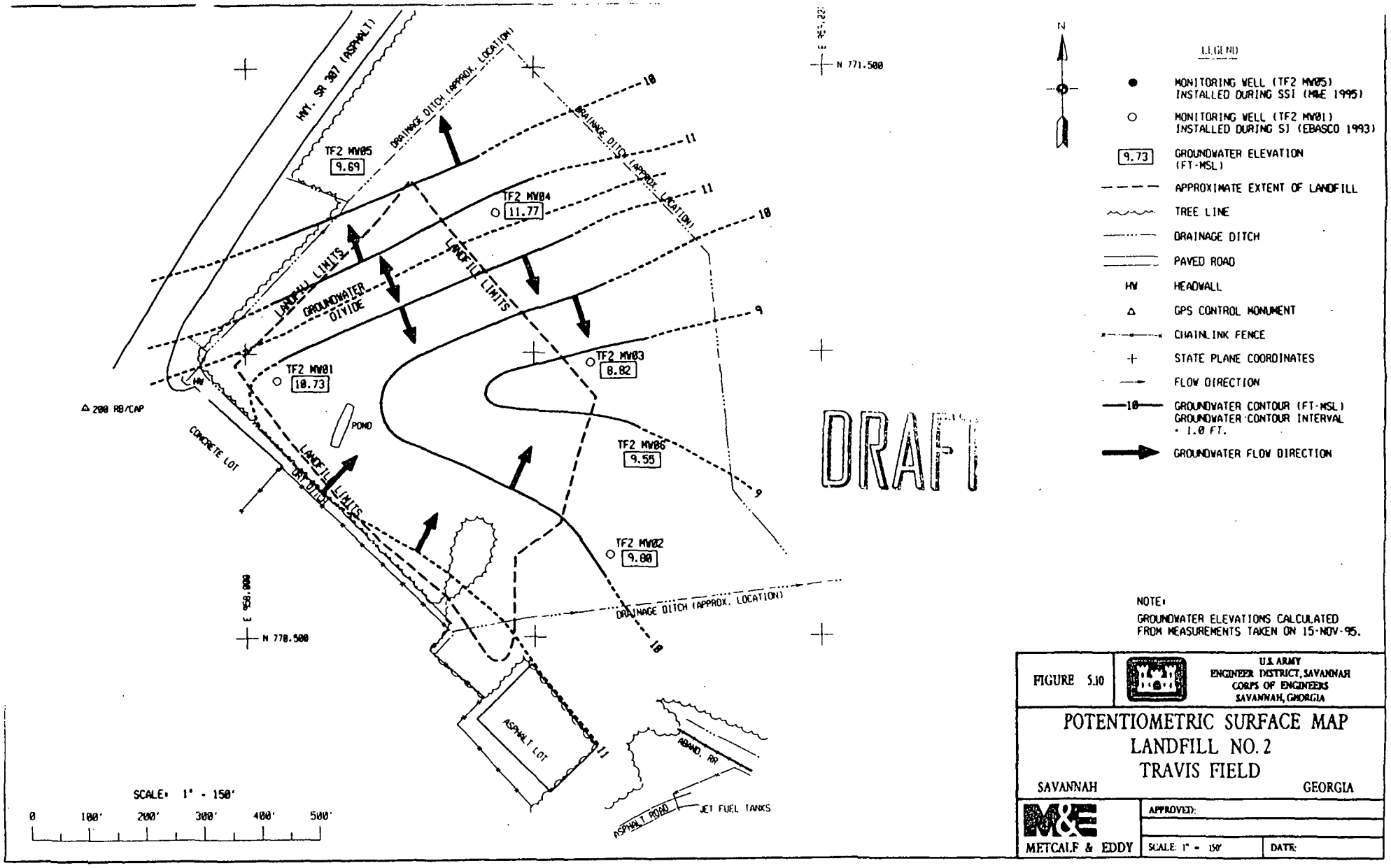


Figure 4

SI Sampling Plan

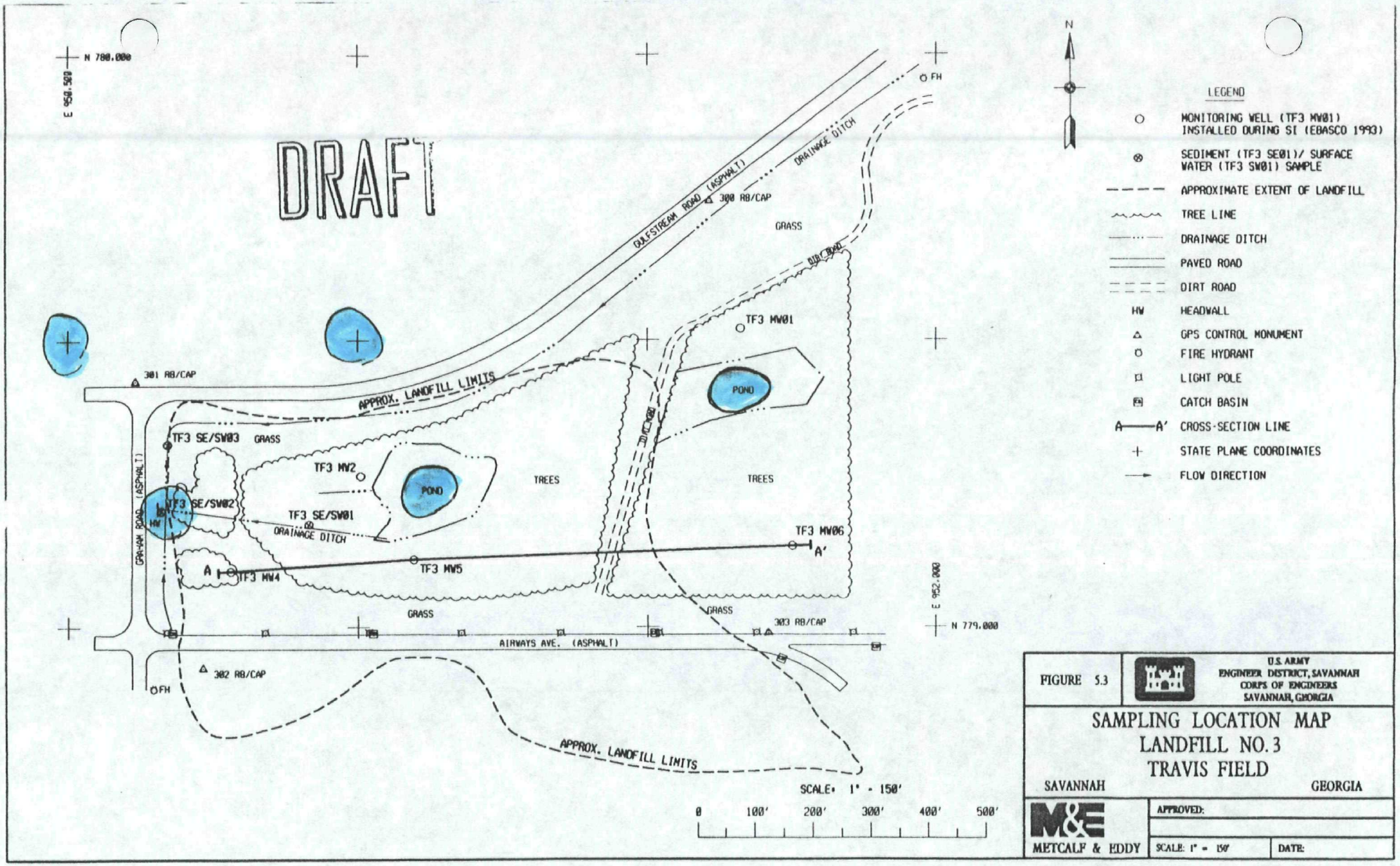
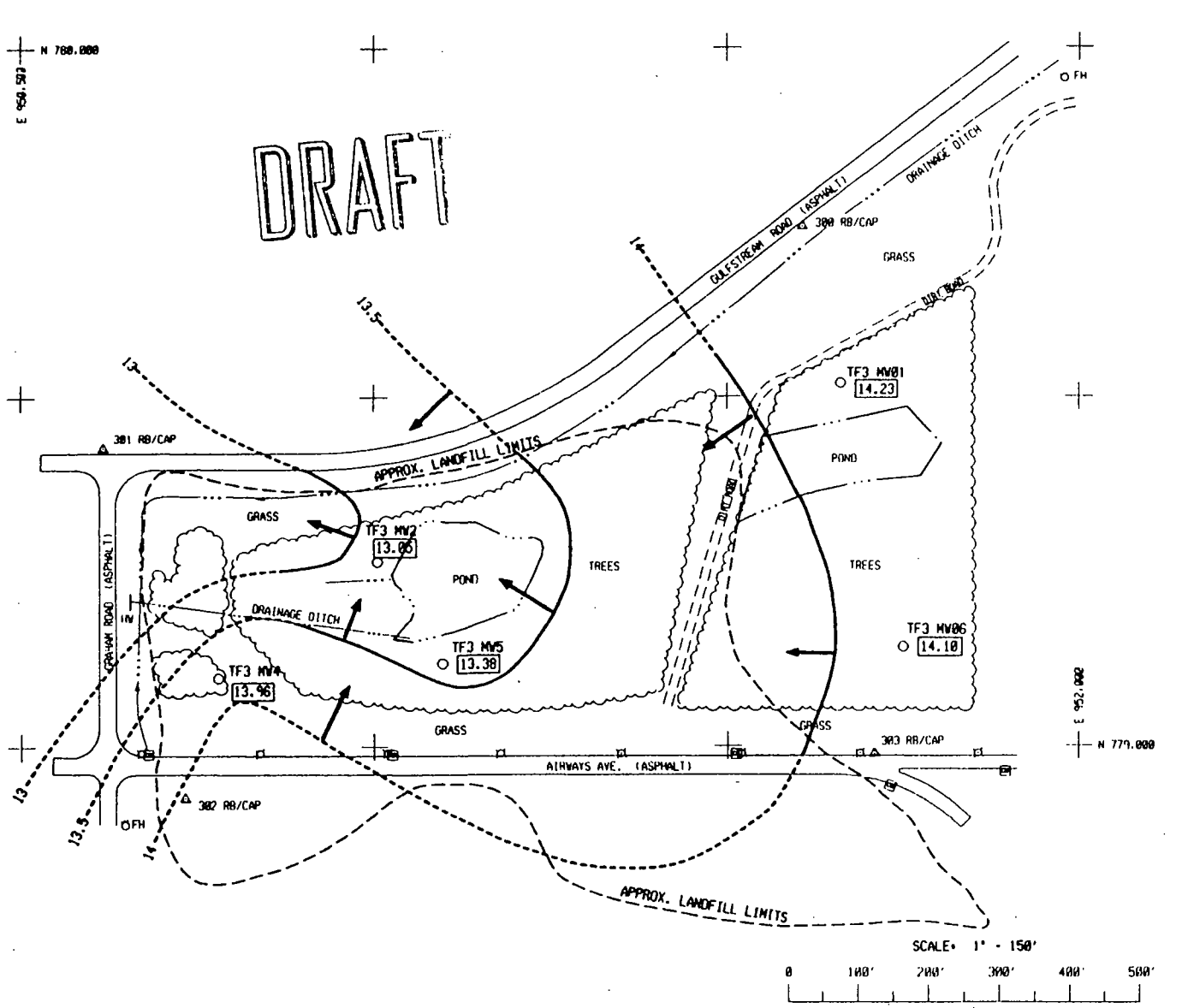


Figure 5

SI Sampling Plan



N

LEGEND

- MONITORING WELL (TF3 MW01) INSTALLED DURING SI (EBASCO 1993)
- 9.73 GROUNDWATER ELEVATION (FT-MSL)
- APPROXIMATE EXTENT OF LANDFILL
- TREE LINE
- DRAINAGE DITCH
- PAVED ROAD
- DIRT ROAD
- HW HEADWALL
- GPS CONTROL MONUMENT
- FIRE HYDRANT
- LIGHT POLE
- CATCH BASIN
- STATE PLANE COORDINATES
- FLOW DIRECTION
- 12 GROUNDWATER CONTOUR (FT-MSL) GROUNDWATER CONTOUR INTERVAL = 0.5 FT.
- GROUNDWATER FLOW DIRECTION

NOTES:

1. GROUNDWATER ELEVATIONS CALCULATED FROM MEASUREMENTS TAKEN ON 18-NOV-95.
2. LANDFILL BOUNDARIES TAKEN FROM SITE INVESTIGATION REPORT, EBASCO ENVIRONMENTAL, AUG. 1993.

FIGURE 5.12

U.S. ARMY
ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

POTENTIOMETRIC SURFACE MAP
LANDFILL NO. 3
TRAVIS FIELD

SAVANNAH GEORGIA

METCALF & EDDY

APPROVED:

SCALE 1" = 150'

DATE:

Figure 6
SI Sampling Plan

Table 1
Samples and Proposed Analyses

Sample Name	Media	Analyses
LF1-A	soil or sediment	metals, VOCs, SVOCs, pest.
LF1-BG	soil	metals, VOCs, SVOCs, pest.
LF1-T(trip blank)	laboratory water	VOCs
LF2-A	soil or sediment	metals, VOCs, SVOCs, pest, BTEX
LF2-BG	soil	metals, VOCs, SVOCs, pest., BTEX
LF2-BG(dup)	soil	metals, VOCs, SVOCs, pest., BTEX
LF3-A	sediment	metals
LF3-A1	surface water	metals
LF3-B	sediment	metals
LF3-C	soil or sediment	metals
LF3-D	sediment	metals
LF3-D1	surface water	metals
LF3-E	surface water	metals
LF3-F(field blank)	laboratory water	
LF1-SWBG****	sediment	metals, VOCs, SVOCs, pest.
LF2-SWBG****	sediment	metals, VOCs, SVOCs, pest.

****Sample collection dependent upon field conditions

SITE SAFETY CHECKLIST

FACILITY NAME: Travis Field - SI Sampling Event EPA ID#: GAD 984307918

ADDRESS: Savannah, Georgia PHONE NO:

PERSONNEL LOG

* NAME/SIGNATURE	DATE LAST SAFETY TRAINING/ FIT TEST	DATE CHECKLIST PREPARED/ REVIEWED	** CHECKLIST MODIFIED?	SITE VISIT DATE(S)	INSPECTION TYPE (CME, CEI, RFA, ETC.)	IMMEDIATE SUPERVISOR'S SIGNATURE OF APPROVAL AND DATE	SECOND LEVEL SUPERVISOR'S SIGNATURE OF APPROVAL AND DATE
Tracy L. Heard / Tracy L. Heard	OSHA 8 hr - 5/6/96			2-26-97 2-27-97	Site Inspection (SI)	Mark O. Smith 2/12/97	2/12/97
WR Kestle Jr. / WR Kestle Jr.	5/6/96			2/26/97 2/27/97	SI	Mark O. Smith 2/12/97	2/12/97

Place an asterisk (*) before the name of the EPA person who will be responsible for protection and safety of all EPA personnel during the site visit.

**Place a double asterisk (**) and date after modified information, or attach extra page.

cc: Occupational Health and Safety Designee

GENERAL INFORMATION

FACILITY NAME: Travis Field CONTACT Army Corps of Engineers John Keiser (912) 652-5687

DIRECTIONS TO FACILITY: (Attach map if possible)

from Savannah - 16 W to 307 N (Dean Forrest Road)
Landfill #1 - On eastern side of 307, adjacent to Days Inn Hotel
Landfill #2 - On eastern side of 307, adjacent to gas station at intersection of Dargue Rd.

SPECIAL ACCESS REQUIREMENTS:
↳ Notify Army C.O.E. contact

EMERGENCY INFORMATION

AMBULANCE: — TELEPHONE: 911
HOSPITAL: Memorial Medical Ctr. - 4700 Waters Ave. TELEPHONE: 911
POLICE: — TELEPHONE: 911
FIRE DEPARTMENT: — TELEPHONE: 911
SITE/FIRE EVACUATION SIGNALS:

INFORMATION SOURCES

PART B: STATE: CONTINGENCY PLAN:
ESD: RFA: CLOSURE PLAN:
QUESTIONNAIRE: PART A: OTHER:

PERMITS

HAZARDOUS WASTE: STATUS
WATER: AIR: OTHER:

SUMMARY OR REGULATED UNITS AND SWMUS: (Indicate number of units)

LANDFILLS: 3 - Abandoned INCINERATORS: STORAGE AREAS:
WASTE PILES: OTHER TREATMENT: OTHER:
SURFACE IMPROVEMENTS: TANK FARMS: SWMUS:

FACILITY PROCESS DESCRIPTION

PREVIOUS RELEASES/ACCIDENTS OR COMPLAINTS: (Corrected? YES/NO)

AIR ____ ____

SOIL metals, volatiles No

SURFACE WATER metals No

INDUSTRIAL ACCIDENTS — ____

COMPLAINTS Complaints/Questions to regional office re: IDW on-site.

HEALTH AND SAFETY HAZARDS

Briefly indicate hazard type. Attach additional pages if necessary.

EXPLOSION/OXYGEN DEFICIENCY HAZARDS: NONE (Circle if applicable)

RADIATION HAZARDS: NONE (Circle if applicable)

TOXIC HAZARDS: NONE (Circle if applicable)

Briefly summarize chemicals handled on site: Add attachment if necessary. Indicate if these exist in a controlled state. Refer to Part A Application if list is extensive.

UNUSUAL PHYSICAL HAZARDS: NONE (Circle if applicable)

UNUSUAL BIOLOGICAL HAZARDS: NONE (Circle if applicable)

CHECK IF PROBLEM EXPECTED: NOISE____ HEAT STRESS____ COLD STRESS____

OVERALL HAZARD RATING: (CIRCLE ONE)

VERY HIGH	HIGH	MEDIUM	LOW
(LEVEL A)	(LEVEL B)	(LEVEL C)	(LEVEL D)
(ASSISTANCE NECESSARY)	(ASSISTANCE NECESSARY)	(MONITORING REQUIRED)	

PERSONNEL PROTECTIVE EQUIPMENT

(List equipment needed in addition to safety glasses, hard hat, and steel toad boots)

	Check if Needed		Needed throughout entire facility? (If no, list area(s) or task(s) where needed
HEAD AND EYE			
FACE SHIELD			
GOGGLES			
NOISE PROTECTION			
OTHER			
RESPIRATORY:		TYPE	
APR			
APR CARTRIDGE			
ESCAPE MASK			
OTHER			
CLOTHING:			
TYVEK COVERALL			
SARANEX COVERALL			
COTTON COVERALL			
SPLASH SUIT			
OVERBOOTS	✓	dependent on weather	
RAIN GEAR	✓		
OTHER			
MISCELLANEOUS:			
Disposable, sterile gloves			

LEVEL A OR B NEEDED?	Contractor or ESD?	Areas/tasks where needed
LEVEL A		
LEVEL B		

AIR MONITORING TYPE	Conducted by	Areas/tasks where needed
TOXIC	FACILITY	
EXPLOSIVE/OXYGEN	ESD	
RADIATION	OTHER	
NONE	OTHER	

Appendix I

TABLE 1: SAMPLE COLLECTION

Sample Number	Sample Media	Sample Location	Date	Time
LF1-A/6384	soil	Soil sample collected at a depth of 8". Sample location 20' east of asphalt road on the outside curve of the road. (Background on soil) .	2/26/97	0920
LF1-B/6385	sediment	Sediment sample collected at a depth of 8". Sample location 15' east of HP 04.	2/26/97	1045
LF1-T/6386	aqueous	Trip blank for volatiles prepared by lab.	2/24/97	1300
LF2-A/6387	sediment	Sediment sample collected at a depth of 8". Sample location 30' from former TF2 SE/SW03.	2/26/97	1215
LF2-B/6388	soil	Soil sample collected at a depth of 8". Sample location 5' inside the bend of the drainage ditch closest to the Days Inn.	2/26/97	1515
LF2-B/6389	soil	Duplicate of LF2-B	2/26/97	1515
LF3-A/6390	surface water	Surface water sample collected from the northern side of the eastern pond (Background surface water sample).	2/26/97	1555
LF3-A1/6391	sediment	Sediment sample collected at a depth of 8" from the northern side of the eastern pond (Background sediment sample).	2/26/97	1555
LF3-B/6392	surface water	Surface water sample collected from northeastern side of large pond in landfill.	2/26/97	1630
LF3-C/6393	sediment	Sediment sample collected from a depth of 8" from the northeastern side of large pond in landfill.	2/26/97	1640
LF3-D/6394	sediment	Sediment sample collected from a depth of 8". Sample location in drainage ditch and 20' north of former TF3 SE/SW02.	2/27/97	1025
LF3-D1/6395	surface water	Surface water sample collected from the storm sewer connection on St. Augustine Creek	2/27/97	1045
LF3-E/6396	surface water	Surface water sample	2/27/97	1050
LF3-F/6397	aqueous	Field blank	2/27/97	1015
LF1-SWB/6398	sediment	Sediment sample from bank of creek at LF2	2/26/97	1235

GEORGIA ENVIRONMENTAL PROTECTION DIVISION
HAZARDOUS WASTE MANAGEMENT BRANCH

CHAIN OF CUSTODY

FACILITY: Travis Field - Abandoned Landfills **LOCATION:** Savannah, Georgia

	SAMPLE #	HWMB LOG #	LAB #	DESCRIPTION	COLLECTED BY (NAME)	DATE	TIME
1	LF1-A	6384		soil, 6"-1'	T. Heard / R. Kestle	2/26/97	9:20 am
2	LF1-BG	6385		~~soil~~ sediment 6"-1'	T. Heard / R. Kestle	2/26/97	10:45 am
3	LF1-T	6386		lab water	T. Heard / R. Kestle	lab made 2/17 / distrib 2/24	1:00 pm
4	LF2-A	6387		sediment	T. Heard / R. Kestle	2/26/97	12:15 pm
5	LF2-BG	6388		soil	T. Heard / R. Kestle	2/26/97	3:15 pm
6	LF2-BG(dup)	6389		soil	T. Heard / R. Kestle	2/26/97	3:15 pm
7	LF3-A	6390		surface water	T. Heard / R. Kestle	2/26/97	3:55 pm
8	LF3-A1	6391		sediment	T. Heard / R. Kestle	2/26/97	3:55 pm

TRANSFER RECORD

TRANSFERRED BY (NAME)	TO (NAME) (IF FINAL: LAB NAME)	DATE	TIME	METHOD OF TRANSFER	RECEIVED BY (NAME)	DATE
Tracy Heard	EPD Laboratory	2/28/97	08:30	Hand delivered	Robert Price	2/28/97

ANALYSIS REQUESTED: metals, VOCs, SVOCs, pesticides

GEORGIA ENVIRONMENTAL PROTECTION DIVISION
HAZARDOUS WASTE MANAGEMENT BRANCH

CHAIN OF CUSTODY

FACILITY: Travis Field - Abandoned Landfills **LOCATION:** Savannah, Georgia

	SAMPLE #	HWMB LOG #	LAB #	DESCRIPTION	COLLECTED BY (NAME)	DATE	TIME
9	LF3-B	6392		surface water	T. Heard/R. Kestle	2/26/97	4:30 pm
10	LF3-C	6393		sediment	T. Heard/R. Kestle	2/26/97	4:40 pm
11	LF3-D	6394		sediment	T. Heard/R. Kestle	2/27/97	10:25 am
12	LF3-D1	6395		surface water	T. Heard/R. Kestle	2/27/97	10:45 am
13	LF3-E	6396		surface water	T. Heard/R. Kestle	2/27/97	10:50 am
14	LF3-F	6397		distilled water	T. Heard/R. Kestle	2/27/97	10:15 am
15	LF1-SWBG	6398		LF2 sediment from bank of creek	T. Heard/R. Kestle	2/26/97	12:35 p
16	LF2-SWBG	~~6399~~			T. Heard/R. Kestle		

TRANSFER RECORD

TRANSFERRED BY (NAME)	TO (NAME) (IF FINAL: LAB NAME)	DATE	TIME	METHOD OF TRANSFER	RECEIVED BY (NAME)	DATE
Tracy Heard	EPD Laboratory	2/28/97	08:30	Hand delivered	Robert Price	2/28/97

ANALYSIS REQUESTED: metals, VOCs, SVOCs, pesticides

REQUEST FOR LABORATORY ANA..SIS

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Georgia Dept. of Natural Resources

Collection Date: 2-26-97 + 2-27-97

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6384

(File a separate Reqest Sheet for each sample point)

AB49495 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6384
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify): ___

Sample Description (check one)

Waste	___	Soil/Sediment	✓	Sludge	___
Ground Water	___	Surface Water	___	Drinking Water Well	___

Conncentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) ___

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ___ ___ ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	___
Organophosphorous Pesticides	___
PCB	___
BETX	___
Total Petroleum Hydrocarbon	___

Organics Special Request: ___

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	✓
Mercury	___
Metals, Special Request:	___

zinc

1 ✓ 4 OZ. JARS 8 OZ. JARS 16 OZ. JARS

3. TCLP ORGANICS

Volatiles	___	Pesticides	___
Semi-Volatiles (Acid & Base/Neutral)	___	Herbicides	___

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	___	Additional Metals For TCLP:	___
Mercury	___		

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB):	Mark Smith	Date:	2/19/97	Received By (EPD Lab):	R. Price
Approved By (HWMB):	[signature]	Date:	2/19/97	Date (EPD Lab):	2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: ***TRACY HEARD***
GA. EPD-HSRA
205 BUTLER ST.SE, TWIN TOWERS
STE 1462
ATLANTA, GA 30354

Sample Collector:	T HEARD	**Sample ID :**	**AB49495**
Date Received:	02/28/97	**Date Collected:**	02/26/97
Time Received:	08:55	**Time Collected:**	09:20
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6384
Sample Site:	TRAVIS FIELD ABND LDFIL HW6384		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HW SOLIDS***								
	Arsenic	01002	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Barium	01007	200.7/60	1	4.3		mg/kg	AAD	03/18/97
	Cadmium	01027	200.7/60	1	Not Detected		mg/kg	AAD	03/18/97
	Chromium	01034	200.7/60	2	2.1		mg/kg	AAD	03/18/97
	Copper	01042	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Lead	01051	200.7/60	5	Not Detected		mg/kg	AAD	03/18/97
	Nickel	01067	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Selenium	01147	200.7/60	5	Not Detected		mg/kg	AAD	03/18/97
	Silver	01077	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Zinc	01092	200.7/60	2	7.7		mg/kg	AAD	03/18/97
Organics	***EPA Method 8260 Soil***								
	1,1,1,2-Tetrachloroethane		8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,1-Trichloroethane	34509	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,2,2-Tetrachloroethane	34519	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,2-Trichloroethane	34514	8260	5	Not Detected		ug/kg	SA1	03/06/97

.AMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	1,1-Dichloroethane	34499	8260	5	Not Detected		ug/kg	SA1	03/06/97
	-Dichloroethene	34504	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1-Dichloropropene	77168	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,3-Trichlorobenzene	77613	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,3-Trichloropropane	78490	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,4-Trichlorobenzene	34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,4-Trimethylbenzene	34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dibromo-3-chloropropan	38487	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dibromoethane	79749	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichlorobenzene	34539	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichloroethane	34534	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichloropropane	34544	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3,5-Trimethylbenzene	77226	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3-Dichlorobenzene	34569	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3-Dichloropropane	77173	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,4-Dichlorobenzene	34574	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2,2-Dichloropropane	77170	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Butanone	75078	8260	100	Not Detected		ug/kg	SA1	03/06/97
	2-Chloroethyl vinyl ether	34579	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Chlorotoluene	77225	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Hexanone	75166	8260	50	Not Detected		ug/kg	SA1	03/06/97
	4-Chlorotoluene	77277	8260	5	Not Detected		ug/kg	SA1	03/06/97
	4-Methyl-2-Pentanone	75169	8260	50	Not Detected		ug/kg	SA1	03/06/97
	Acetone	75059	8260	100	Not Detected		ug/kg	SA1	03/06/97
	Benzene	34237	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromobenzene	78491	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromochloromethane	77297	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromodichloromethane	34330	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromofluorobenzene(Surrogate QC Std.)		8260	0	49.0		ug/kg	SA1	03/06/97
	Bromoform	34290	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromomethane	34416	8260	10	Not Detected		ug/kg	SA1	03/06/97
	Carbon Disulfide	78544	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Carbon Tetrachloride	34299	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chlorobenzene	34304	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chloroethane	34314	8260	10	Not Detected		ug/kg	SA1	03/06/97
	Chloroform	34318	8260	5	Not Detected		ug/kg	SA1	03/06/97

.AMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Chloromethane	34421	8260	10	Not Detected		ug/kg	SA1	03/06/97
	,-1,2-Dichloroethene	77093	8260	5	Not Detected		ug/kg	SA1	03/06/97
	cis-1,3-Dichloropropene	34702	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromochloromethane	34309	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromofluoromethane(Surrogate QC Std.)		8260	0	50.4		ug/kg	SA1	03/06/97
	Dibromomethane	78756	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dichlorodifluoromethane	34334	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Ethylbenzene	34374	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Hexachlorobutadiene	39705	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Iodomethane	73121	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Isopropylbenzene	77223	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Methylene Chloride	34426	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Butylbenzene	77342	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Propylbenzene	77224	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Naphthalene	34445	8260	5	Not Detected		ug/kg	SA1	03/06/97
	o-Xylene	78362	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p,m-Xylene	45510	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p-Isopropyltoluene	77356	8260	5	Not Detected		ug/kg	SA1	03/06/97
	sec-Butylbenzene	77350	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Styrene	75192	8260	5	Not Detected		ug/kg	SA1	03/06/97
	tert-Butylbenzene	77353	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Tetrachloroethene	34478	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene	34483	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene-d8(Surrogate QC Std.)		8260	0	50.0		ug/kg	SA1	03/06/97
	trans-1,2-Dichloroethene	34549	8260	5	Not Detected		ug/kg	SA1	03/06/97
	trans-1,3-Dichloropropene	34697	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichloroethene	34487	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichlorofluoromethane	34491	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Acetate	78498	8260	50	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Chloride	34495	8260	10	Not Detected		ug/kg	SA1	03/06/97
Organics	***PESTICIDES IN SEDIMENT/SOIL***								
	4,4'-DDD		8080	2.0	Not Detected		ug/kg	AB	03/05/97
	4,4'-DDE		8080	1.0	Not Detected		ug/kg	AB	03/05/97
	4,4'-DDT		8080	2.0	Not Detected		ug/kg	AB	03/05/97
	a-BHC		8080	1.0	Not Detected		ug/kg	AB	03/05/97
	ALDRIN		8080	1.0	Not Detected		ug/kg	AB	03/05/97

Sample ID : AB49495

,AMETER CODE: EPA
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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	b-BHC		8080	1.0	Not Detected		ug/kg	AB	03/05/97
	ILORDANE		8080	5.0	Not Detected		ug/kg	AB	03/05/97
	CHLORPYRIFOS (DURSBAN)		8080	5.0	Not Detected		ug/kg	AB	03/05/97
	d-BHC		8080	1.0	Not Detected		ug/kg	AB	03/05/97
	DIELDRIN		8080	2.0	Not Detected		ug/kg	AB	03/05/97
	ENDOSULFAN I		8080	2.0	Not Detected		ug/kg	AB	03/05/97
	ENDOSULFAN II		8080	3.0	Not Detected		ug/kg	AB	03/05/97
	ENDOSULFAN SULFATE		8080	5.0	Not Detected		ug/kg	AB	03/05/97
	ENDRIN		8080	1.0	Not Detected		ug/kg	AB	03/05/97
	ENDRIN ALDEHYDE		8080	5.0	Not Detected		ug/kg	AB	03/05/97
	HEPTACHLOR		8080	1.0	Not Detected		ug/kg	AB	03/05/97
	HEPTACHLOR EPOXIDE		8080	1.0	Not Detected		ug/kg	AB	03/05/97
	HEXACHLOROBENZENE		8080	1.0	Not Detected		ug/kg	AB	03/05/97
	LINDANE (g-BHC)		8080	1.0	Not Detected		ug/kg	AB	03/05/97
	METHOXYCHLOR		8080	4.0	Not Detected		ug/kg	AB	03/05/97
	MIREX		8080	4.0	Not Detected		ug/kg	AB	03/05/97
	PCB-1016		8080	6.0	Not Detected		ug/kg	AB	03/05/97
	PCB-1221		8080	6.0	Not Detected		ug/kg	AB	03/05/97
	PCB-1232		8080	6.0	Not Detected		ug/kg	AB	03/05/97
	PCB-1242		8080	6.0	Not Detected		ug/kg	AB	03/05/97
	PCB-1248		8080	6.0	Not Detected		ug/kg	AB	03/05/97
	PCB-1254		8080	6.0	Not Detected		ug/kg	AB	03/05/97
	PCB-1260		8080	6.0	Not Detected		ug/kg	AB	03/05/97
	PCB-1262		8080	6.0	Not Detected		ug/kg	AB	03/05/97
	TOXAPHENE		8080	12	Not Detected		ug/kg	AB	03/05/97
Organics Semivolatile Soil/Sed (8270)									
	1,2,4,5-Tetrachlorobenzene	79787	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2,4-Trichlorobenzene	34554	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Dichlorobenzene	34539	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Diphenylhydrazine	34349	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,3-Dichlorobenzene	34569	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,4-Dichlorobenzene	34574	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Chloronaphthalene		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Naphthylamine	73143	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,3,4,6-Tetrachlorophenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4,5-Trichlorophenol	78401	8270a	660	Not Detected		ug/kg	LSN	03/25/97

.AMETER CODE: EPA
ug/l : micrograms/liter
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Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	2,4,6-Tribromophenol(Surrogate QC Std.)		8270a	-0-	41.7		ug/kg	LSN	03/25/97
	2,4,6-Trichlorophenol	34624	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dichlorophenol	34604	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dimethylphenol	34609	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrophenol	34619	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrotoluene	34614	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dichlorophenol	73122	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dinitrotoluene	34629	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chloronaphthalene	34584	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chlorophenol	34589	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Fluorobiphenyl(Surrogate QC Std.)		8270a	-0-	45.9		ug/kg	LSN	03/25/97
	2-Fluorophenol(Surrogate QC Std.)		8270a	-0-	36.0		ug/kg	LSN	03/25/97
	2-Methylnaphthalene	78868	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Naphthylamine	73124	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Nitroaniline	78299	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2-Nitrophenol	34594	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Picoline	73310	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3,3'-Dichlorobenzidine	34634	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	3-Methylcholanthrene	73156	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3-Nitroaniline	78869	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4,6-Dinitro-2-methylphenol	34660	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4-Aminobiphenyl	73125	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Bromophenyl-phenylether	34639	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Chloro-3-methylphenol	34455	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chloroaniline	78867	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chlorophenyl-phenylether	34644	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitroaniline	78870	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitrophenol	34649	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	7,12-Dimethylbenz(a)anthracene	73115	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	aa-dimethyl-Phenethylamine	73136	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthene	34208	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthylene	34203	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acetophenone	73272	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Aldrin	39333	8270a	660	Not Detected		ug/kg	LSN	03/25/97

AMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Alpha-BHC	39076	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	iline	73185	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Anthracene	34223	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzidine	39121	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzoic acid	75315	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]anthracene	34529	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]pyrene	34250	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[b]fluoranthene	34233	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[g,h,i]perylene	34524	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[k]fluoranthene	34245	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzyl alcohol	75212	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	Beta-BHC	34257	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethoxy)methane	34281	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethyl)ether	34276	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroisopropyl)ether	34286	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Ethylhexyl)phthalate	39102	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Butylbenzylphthalate	34295	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Chyrsene	34323	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Delta-BHC	34262	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-butylphthalate	39112	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-octylphthalate	34599	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz(a,j)acridine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenzofuran	75647	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz[a,h]anthracene	34559	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dieldrin	39383	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diethylphthalate	34339	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dimethylphthalate	34344	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diphenylamine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 1	34364	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 2	34359	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan Sulfate	34354	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	Endrin	39393	8270a	1320	Not Detected		ug/kg	LSN	03/25/97
	Endrin Aldehyde	34369	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Ethylmethanesulfonate	73118	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluoranthene	34379	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluorene	34384	8270a	660	Not Detected		ug/kg	LSN	03/25/97

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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Gamma-BHC	39343	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	;ptachlor	39413	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Heptachlor Epoxide	39423	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobenzene	39701	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobutadiene	38705	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorocyclopentadiene	34389	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachloroethane	34399	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Indeno[1,2,3-cd]pyrene	34406	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Isophorone	34411	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Methylmethanesulfonate	73119	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-butylamine	73159	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-propylamine	34428	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodimethylamine	34441	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodiphenylamine	34436	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosopiperidine	73129	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Naphthalene	34445	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene	34450	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene-d5(Surrogate QC Std.)		8270a	-0-	47.1		ug/kg	LSN	03/25/97
	p,p'-DDD	39311	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDE	39321	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDT	39301	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p-Dimethylaminoazobenzene	73116	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorobenzene	79790	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachloronitrobenzene	81808	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorophenol	39061	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Phenacetin	73117	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenanthrene	34464	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol	34695	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol-d5(Surrogate QC Std.)		8270a	-0-	38.6		ug/kg	LSN	03/25/97
	Pronamide	73031	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pyrene	34472	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pyridine	73312	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Terphenyl-d14(Surrogate QC Std.)		8270a	-0-	58.3		ug/kg	LSN	03/25/97

Sample ID : AB49495

.AMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE

Sample comments :

End of Report

Sample ID : AB49495

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	GC Mass Spec:	Steve Bryan	Ext. 5260

REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6385

(File a separate Request Sheet for each sample point)

Georgia Dept. of Natural Resources

AB49496 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HWE
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify): ____

Sample Description (check one)

Waste	____	Soil/Sediment	✓	Sludge	____
Ground Water	____	Surface Water	____	Drinking Water Well	____

Concentration of Organics Requested (estimated): High ____ Low ✓ Other (e.g., rinse blank - specify) ____

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ____ ____ ____

Special Precautions: ____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	____
Organophosphorous Pesticides	____
PCB	____
BETX	____
Total Petroleum Hydrocarbon	____

16 OZ JARS
8 OZ JARS
4 OZ JARS

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	✓
Mercury	____
Metals, Special Request	____

Organics Special Request: ____

3. TCLP ORGANICS

Volatiles	____	Pesticides	____
Semi-Volatiles (Acid & Base/Neutral)	____	Herbicides	____

Additional Specific Organics For TCLP: ____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	____	Additional Metals For TCLP:	____
Mercury	____		

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ____

Reviewed By (HWMB):	[signature]	Date:	2/19/97	Received By (EPD Lab):	R. Price
Approved By (HWMB):	[signature]	Date:	2/19/97	Date (EPD Lab):	2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA. EPD-HSRA
205 BUTLER ST.SE, TWIN TOWERS
STE 1462
ATLANTA, GA 30354

Sample Collector:	T HEARD	**Sample ID :**	AB49496
Date Received:	02/28/97	**Date Collected:**	02/26/97
Time Received:	08:55	**Time Collected:**	10:45
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6385
Sample Site:	TRAVIS FIELD ABND LDFIL HW6385		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HW SOLIDS***								
	Arsenic	01002	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Barium	01007	200.7/60	1	39		mg/kg	AAD	03/18/97
	Cadmium	01027	200.7/60	1	Not Detected		mg/kg	AAD	03/18/97
	Chromium	01034	200.7/60	2	2.2		mg/kg	AAD	03/18/97
	Copper	01042	200.7/60	2	750		mg/kg	AAD	03/18/97
	Lead	01051	200.7/60	5	180		mg/kg	AAD	03/18/97
	Nickel	01067	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Selenium	01147	200.7/60	5	Not Detected		mg/kg	AAD	03/18/97
	Silver	01077	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Zinc	01092	200.7/60	2	7.1		mg/kg	AAD	03/18/97
Organics	***EPA Method 8260 Soil***								
	1,1,1,2-Tetrachloroethane		8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,1-Trichloroethane	34509	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,2,2-Tetrachloroethane	34519	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,2-Trichloroethane	34514	8260	5	Not Detected		ug/kg	SA1	03/06/97

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	1,1-Dichloroethane	34499	8260	5	Not Detected		ug/kg	SA1	03/06/97
	',1-Dichloroethene	34504	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1-Dichloropropene	77168	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,3-Trichlorobenzene	77613	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,3-Trichloropropane	78490	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,4-Trichlorobenzene	34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,4-Trimethylbenzene	34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dibromo-3-chloropropan	38487	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dibromoethane	79749	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichlorobenzene	34539	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichloroethane	34534	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichloropropane	34544	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3,5-Trimethylbenzene	77226	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3-Dichlorobenzene	34569	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3-Dichloropropane	77173	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,4-Dichlorobenzene	34574	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2,2-Dichloropropane	77170	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Butanone	75078	8260	100	Not Detected		ug/kg	SA1	03/06/97
	2-Chloroethyl vinyl ether	34579	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Chlorotoluene	77225	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Hexanone	75166	8260	50	Not Detected		ug/kg	SA1	03/06/97
	4-Chlorotoluene	77277	8260	5	Not Detected		ug/kg	SA1	03/06/97
	4-Methyl-2-Pentanone	75169	8260	50	Not Detected		ug/kg	SA1	03/06/97
	Acetone	75059	8260	100	Not Detected		ug/kg	SA1	03/06/97
	Benzene	34237	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromobenzene	78491	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromochloromethane	77297	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromodichloromethane	34330	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromofluorobenzene(Surrogate QC Std.)		8260	0	42.6		ug/kg	SA1	03/06/97
	Bromoform	34290	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromomethane	34416	8260	10	Not Detected		ug/kg	SA1	03/06/97
	Carbon Disulfide	78544	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Carbon Tetrachloride	34299	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chlorobenzene	34304	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chloroethane	34314	8260	10	Not Detected		ug/kg	SA1	03/06/97
	Chloroform	34318	8260	5	Not Detected		ug/kg	SA1	03/06/97

Sample ID : AB49496

RAMETER CODE: EPA
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Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Chloromethane	34421	8260	10	Not Detected		ug/kg	SA1	03/06/97
	cis-1,2-Dichloroethene	77093	8260	5	Not Detected		ug/kg	SA1	03/06/97
	cis-1,3-Dichloropropene	34702	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromochloromethane	34309	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromofluoromethane(Surrogate QC Std.)		8260	0	50.8		ug/kg	SA1	03/06/97
	Dibromomethane	78756	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dichlorodifluoromethane	34334	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Ethylbenzene	34374	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Hexachlorobutadiene	39705	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Iodomethane	73121	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Isopropylbenzene	77223	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Methylene Chloride	34426	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Butylbenzene	77342	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Propylbenzene	77224	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Naphthalene	34445	8260	5	Not Detected		ug/kg	SA1	03/06/97
	o-Xylene	78362	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p,m-Xylene	45510	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p-Isopropyltoluene	77356	8260	5	Not Detected		ug/kg	SA1	03/06/97
	sec-Butylbenzene	77350	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Styrene	75192	8260	5	Not Detected		ug/kg	SA1	03/06/97
	tert-Butylbenzene	77353	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Tetrachloroethene	34478	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene	34483	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene-d8(Surrogate QC Std.)		8260	0	48.5		ug/kg	SA1	03/06/97
	trans-1,2-Dichloroethene	34549	8260	5	Not Detected		ug/kg	SA1	03/06/97
	trans-1,3-Dichloropropene	34697	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichloroethene	34487	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichlorofluoromethane	34491	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Acetate	78498	8260	50	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Chloride	34495	8260	10	Not Detected		ug/kg	SA1	03/06/97
Organics	***PESTICIDES IN SEDIMENT/SOIL***								
	4,4'-DDD		8080	2.0	Not Detected		ug/kg	ATB	03/12/97
	4,4'-DDE		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	4,4'-DDT		8080	2.0	Not Detected		ug/kg	ATB	03/12/97
	a-BHC		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	ALDRIN		8080	1.0	Not Detected		ug/kg	ATB	03/12/97

Sample ID : AB49496

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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	b-BHC		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	HLORDANE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	CHLORPYRIFOS (DURSBAN)		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	d-BHC		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	DIELDRIN		8080	2.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN I		8080	2.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN II		8080	3.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN SULFATE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	ENDRIN		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	ENDRIN ALDEHYDE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	HEPTACHLOR		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	HEPTACHLOR EPOXIDE		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	HEXACHLOROBENZENE		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	LINDANE (g-BHC)		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	METHOXYCHLOR		8080	4.0	Not Detected		ug/kg	ATB	03/12/97
	MIREX		8080	4.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1016		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1221		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1232		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1242		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1248		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1254		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1260		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1262		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	TOXAPHENE		8080	12	Not Detected		ug/kg	ATB	03/12/97
Organics Semivolatile Soil/Sed (8270)									
	1,2,4,5-Tetrachlorobenzene	79787	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2,4-Trichlorobenzene	34554	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Dichlorobenzene	34539	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Diphenylhydrazine	34349	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,3-Dichlorobenzene	34569	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,4-Dichlorobenzene	34574	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Chloronaphthalene		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Naphthylamine	73143	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,3,4,6-Tetrachlorophenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4,5-Trichlorophenol	78401	8270a	660	Not Detected		ug/kg	LSN	03/25/97

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Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	2,4,6-Tribromophenol(Surrogate QC Std.)		8270a	-0-	48.3		ug/kg	LSN	03/25/97
	,4,6-Trichlorophenol	34624	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dichlorophenol	34604	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dimethylphenol	34609	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrophenol	34619	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrotoluene	34614	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dichlorophenol	73122	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dinitrotoluene	34629	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chloronaphthalene	34584	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chlorophenol	34589	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Fluorobiphenyl(Surrogate QC Std.)		8270a	-0-	52.8		ug/kg	LSN	03/25/97
	2-Fluorophenol(Surrogate QC Std.)		8270a	-0-	40.9		ug/kg	LSN	03/25/97
	2-Methylnaphthalene	78868	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Naphthylamine	73124	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Nitroaniline	78299	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2-Nitrophenol	34594	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Picoline	73310	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3,3'-Dichlorobenzidine	34634	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	3-Methylcholanthrene	73156	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3-Nitroaniline	78869	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4,6-Dinitro-2-methylphenol	34660	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4-Aminobiphenyl	73125	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Bromophenyl-phenylether	34639	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Chloro-3-methylphenol	34455	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chloroaniline	78867	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chlorophenyl-phenylether	34644	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitroaniline	78870	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitrophenol	34649	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	7,12-Dimethylbenz(a)anthracene	73115	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	aa-dimethyl-Phenethylamine	73136	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthene	34208	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthylene	34203	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acetophenone	73272	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Aldrin	39333	8270a	660	Not Detected		ug/kg	LSN	03/25/97

Sample ID : AB49496

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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Alpha-BHC	39076	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	\niline	73185	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Anthracene	34223	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzidine	39121	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzoic acid	75315	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]anthracene	34529	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]pyrene	34250	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[b]fluoranthene	34233	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[g,h,i]perylene	34524	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[k]fluoranthene	34245	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzyl alcohol	75212	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	Beta-BHC	34257	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethoxy)methane	34281	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethyl)ether	34276	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroisopropyl)ether	34286	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Ethylhexyl)phthalate	39102	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Butylbenzylphthalate	34295	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Chyrsene	34323	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Delta-BHC	34262	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-butylphthalate	39112	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-octylphthalate	34599	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz(a,j)acridine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenzofuran	75647	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz[a,h]anthracene	34559	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dieldrin	39383	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diethylphthalate	34339	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dimethylphthalate	34344	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diphenylamine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 1	34364	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 2	34359	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan Sulfate	34354	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	Endrin	39393	8270a	1320	Not Detected		ug/kg	LSN	03/25/97
	Endrin Aldehyde	34369	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Ethylmethanesulfonate	73118	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluoranthene	34379	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluorene	34384	8270a	660	Not Detected		ug/kg	LSN	03/25/97

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Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Gamma-BHC	39343	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Heptachlor	39413	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Heptachlor Epoxide	39423	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobenzene	39701	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobutadiene	38705	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorocyclopentadiene	34389	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachloroethane	34399	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Indeno[1,2,3-cd]pyrene	34406	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Isophorone	34411	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Methylmethanesulfonate	73119	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-butylamine	73159	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-propylamine	34428	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodimethylamine	34441	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodiphenylamine	34436	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosopiperidine	73129	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Naphthalene	34445	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene	34450	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene-d5(Surrogate QC Std.)		8270a	-0-	50.1		ug/kg	LSN	03/25/97
	p,p'-DDD	39311	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDE	39321	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDT	39301	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p-Dimethylaminoazobenzene	73116	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorobenzene	79790	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachloronitrobenzene	81808	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorophenol	39061	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Phenacetin	73117	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenanthrene	34464	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol	34695	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol-d5(Surrogate QC Std.)		8270a	-0-	44.4		ug/kg	LSN	03/25/97
	Pronamide	73031	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pyrene	34472	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pyridine	73312	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Terphenyl-d14(Surrogate QC Std.)		8270a	-0-	61.1		ug/kg	LSN	03/25/97

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LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE

Sample comments :

C

End of Report

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REQUEST FOR LABORATORY ANALYSIS

GHL

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6386

(File a separate Request Sheet for each sample point)

Georgia Dept. of Natural Resources

AB49497 Due date: 03/26/97

Date submitted: 02/28/97

sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6386 Trip Blank

Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (spec

Sample Description (check one)

Waste	___	Soil/Sediment	___	Sludge	___
Ground Water	___	Surface Water	___	Drinking Water Well	___

Concentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) trip blank

Describe Sample Including Source And Known Properties (e.g., pH, concentration):

Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ___ ___ ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	___	OIL AND GREASE	___
Volatiles	✓	SULFIDES/PHENOLS	___
Pesticides	___	VOC VIALS	2
Herbicides	___	AMBER BOTTLES	___
Organophosphorous Pesticides	___	METAL BOTTLES	___
PCB	___	POOL BOTTLES	___
BETX	___	NUTRIENTS/SULFATES	___
Total Petroleum Hydrocarbon	___	HALF GALLONS/CYANIDE	___

Organics Special Request: ___

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	___
Mercury	___
Metals, Special Request	___

3. TCLP ORGANICS

Volatiles	___	Pesticides	___
Semi-Volatiles (Acid & Base/Neutral)	___	Herbicides	___

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	___	Additional Metals For TCLP:	___
Mercury	___		

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB): [signature] Date: 2/19/97 Received By (EPD Lab): Robert Price

Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA. EPD-HSRA
205 BUTLER ST.SE, TWIN TOWERS
STE 1462
ATLANTA, GA 30354

Sample Collector:	T HEARD	**Sample ID :**	**AB49497**
Date Received:	02/28/97	**Date Collected:**	02/26/97
Time Received:	08:55	**Time Collected:**	13:00
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6386
Sample Site:	TRAVIS FIELD TRIP BLNK HW6386		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Organics	***EPA Method 8260 Water***								
	1,1,1,2-Tetrachloroethane	77562	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,1,1-Trichloroethane	34506	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,1,2,2-Tetrachloroethane	34516	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,1,2-Trichloroethane	34511	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,1-Dichloroethane	34496	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,1-Dichloroethene	34501	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,1-Dichloropropene	77168	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2,3-Trichlorobenzene	77613	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2,3-Trichloropropane	77443	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2,4-Trichlorobenzene	34551	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2,4-Trimethylbenzene	77222	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2-Dibromo-3-chloropropan	38487	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2-Dibromoethane	77651	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2-Dichlorobenzene	34536	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2-Dichloroethane	32103	8260	5	Not Detected		ug/L	SA1	03/06/97

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	1,2-Dichloropropane	34541	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,3,5-Trimethylbenzene	77226	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,3-Dichlorobenzene	34566	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,3-Dichloropropane	77173	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,4-Dichlorobenzene	34571	8260	5	Not Detected		ug/L	SA1	03/06/97
	2,2-Dichloropropane	77170	8260	5	Not Detected		ug/L	SA1	03/06/97
	2-Butanone	81595	8260	100	Not Detected		ug/L	SA1	03/06/97
	2-Chloroethyl vinyl ether	34576	8260	5	Not Detected		ug/L	SA1	03/06/97
	2-Chlorotoluene	77275	8260	5	Not Detected		ug/L	SA1	03/06/97
	2-Hexanone	77103	8260	50	Not Detected		ug/L	SA1	03/06/97
	4-Chlorotoluene	77277	8260	5	Not Detected		ug/L	SA1	03/06/97
	4-Methyl-2-Pentanone	81596	8260	50	Not Detected		ug/L	SA1	03/06/97
	Acetone	81552	8260	100	Not Detected		ug/L	SA1	03/06/97
	Benzene	34030	8260	5	Not Detected		ug/L	SA1	03/06/97
	Bromobenzene	81555	8260	5	Not Detected		ug/L	SA1	03/06/97
	Bromochloromethane	77297	8260	5	Not Detected		ug/L	SA1	03/06/97
	Bromodichloromethane	32101	8260	5	Not Detected		ug/L	SA1	03/06/97
	Bromofluorobenzene(Surrogate QC Std.)		8260	0	50.6		ug/L	SA1	03/06/97
	Bromoform	32104	8260	5	Not Detected		ug/L	SA1	03/06/97
	Bromomethane	34413	8260	10	Not Detected		ug/L	SA1	03/06/97
	Carbon Disulfide	77041	8260	5	Not Detected		ug/L	SA1	03/06/97
	Carbon Tetrachloride	32102	8260	5	Not Detected		ug/L	SA1	03/06/97
	Chlorobenzene	34301	8260	5	Not Detected		ug/L	SA1	03/06/97
	Chloroethane	34311	8260	10	Not Detected		ug/L	SA1	03/06/97
	Chloroform	32106	8260	5	Not Detected		ug/L	SA1	03/06/97
	Chloromethane	34418	8260	10	Not Detected		ug/L	SA1	03/06/97
	cis-1,2-Dichloroethene	77093	8260	5	Not Detected		ug/L	SA1	03/06/97
	cis-1,3-Dichloropropene	34704	8260	5	Not Detected		ug/L	SA1	03/06/97
	Dibromochloromethane	32105	8260	5	Not Detected		ug/L	SA1	03/06/97
	Dibromofluoromethane(Surrogate QC Std.)		8260	0	49.3		ug/L	SA1	03/06/97
	Dibromomethane	77596	8260	5	Not Detected		ug/L	SA1	03/06/97
	Dichlorodifluoromethane	34668	8260	5	Not Detected		ug/L	SA1	03/06/97
	Ethylbenzene	34371	8260	5	Not Detected		ug/L	SA1	03/06/97
	Hexachlorobutadiene	38702	8260	5	Not Detected		ug/L	SA1	03/06/97
	Iodomethane	77424	8260	5	Not Detected		ug/L	SA1	03/06/97
	Isopropylbenzene	77223	8260	5	Not Detected		ug/L	SA1	03/06/97

Sample ID : AB49497

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Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Methylene Chloride	34423	8260	5	Not Detected		ug/L	SA1	03/06/97
	n-Butylbenzene	77342	8260	5	Not Detected		ug/L	SA1	03/06/97
	n-Propylbenzene	77224	8260	5	Not Detected		ug/L	SA1	03/06/97
	Naphthalene	34696	8260	5	Not Detected		ug/L	SA1	03/06/97
	o-Xylene	77135	8260	5	Not Detected		ug/L	SA1	03/06/97
	p,m-Xylene	77135	8260	5	Not Detected		ug/L	SA1	03/06/97
	p-Isopropyltoluene	77356	8260	5	Not Detected		ug/L	SA1	03/06/97
	sec-Butylbenzene	77350	8260	5	Not Detected		ug/L	SA1	03/06/97
	Styrene	77128	8260	5	Not Detected		ug/L	SA1	03/06/97
	tert-Butylbenzene	77353	8260	5	Not Detected		ug/L	SA1	03/06/97
	Tetrachloroethene	34475	8260	5	Not Detected		ug/L	SA1	03/06/97
	Toluene	34010	8260	5	Not Detected		ug/L	SA1	03/06/97
	Toluene-d8(Surrogate QC Std.)		8260	0	50.1		ug/L	SA1	03/06/97
	trans-1,2-Dichloroethene	34546	8260	5	Not Detected		ug/L	SA1	03/06/97
	trans-1,3-Dichloropropene	34699	8260	5	Not Detected		ug/L	SA1	03/06/97
	Trichloroethene	39180	8260	5	Not Detected		ug/L	SA1	03/06/97
	Trichlorofluoromethane	34488	8260	5	Not Detected		ug/L	SA1	03/06/97
	Vinyl Acetate	77057	8260	50	Not Detected		ug/L	SA1	03/06/97
	Vinyl Chloride	39175	8260	10	Not Detected		ug/L	SA1	03/06/97

Sample comments :

End of Report

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REQUEST FOR LABORATORY ANALYSIS

GHL

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Georgia Dept. of Natural Resources

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6387

(File a separate Request Sheet for each sample point)

AB49498 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6387
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify):

Sample Description (check one)

Waste	___	Soil/Sediment	✓	Sludge	___
Ground Water	___	Surface Water	___	Drinking Water Well	___

Concentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) ___

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ___ ___ ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	___
Organophosphorous Pesticides	___
PCB	___
BETX	___
Total Petroleum Hydrocarbon	___

4 OZ JARS
8 OZ JARS
16 OZ JARS

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Hl, Pb, Se)	✓
Mercury	___
Metals, Special Request:	___
zinc	

Organics Special Request: ___

3. TCLP ORGANICS

Volatiles	___	Pesticides	___
Semi-Volatiles (Acid & Base/Neutral)	___	Herbicides	___

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Hl, Pb, Se)	___	Additional Metals For TCLP:	___
Mercury	___		

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB): [signature] Date: 2/19/97 Received By (EPD Lab): Robert Price

Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA. EPD-HSRA
205 BUTLER ST.SE, TWIN TOWERS
STE 1462
ATLANTA, GA 30354

Sample Collector: T HEARD **Sample ID :** AB49498
Date Received: 02/28/97 **Date Collected:** 02/26/97
Time Received: 08:55 **Time Collected:** 12:15
Reporting Date: 03/28/97 **DNR Lab Reference:** HW6387
Sample Site: TRAVIS FIELD ABND LDFIL HW6387

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HW SOLIDS***								
	Arsenic	01002	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Barium	01007	200.7/60	1	31		mg/kg	AAD	03/18/97
	Cadmium	01027	200.7/60	1	Not Detected		mg/kg	AAD	03/18/97
	Chromium	01034	200.7/60	2	5.8		mg/kg	AAD	03/18/97
	Copper	01042	200.7/60	2	2.8		mg/kg	AAD	03/18/97
	Lead	01051	200.7/60	5	12		mg/kg	AAD	03/18/97
	Nickel	01067	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Selenium	01147	200.7/60	5	Not Detected		mg/kg	AAD	03/18/97
	Silver	01077	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Zinc	01092	200.7/60	2	8.6		mg/kg	AAD	03/18/97
Organics	***EPA Method 8260 Soil***								
	1,1,1,2-Tetrachloroethane		8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,1-Trichloroethane	34509	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,2,2-Tetrachloroethane	34519	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,2-Trichloroethane	34514	8260	5	Not Detected		ug/kg	SA1	03/06/97

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Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	1,1-Dichloroethane	34499	8260	5	Not Detected		ug/kg	SA1	03/06/97
	,1-Dichloroethene	34504	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1-Dichloropropene	77168	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,3-Trichlorobenzene	77613	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,3-Trichloropropane	78490	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,4-Trichlorobenzene	34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,4-Trimethylbenzene	34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dibromo-3-chloropropan	38487	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dibromoethane	79749	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichlorobenzene	34539	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichloroethane	34534	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichloropropane	34544	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3,5-Trimethylbenzene	77226	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3-Dichlorobenzene	34569	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3-Dichloropropane	77173	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,4-Dichlorobenzene	34574	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2,2-Dichloropropane	77170	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Butanone	75078	8260	100	Not Detected		ug/kg	SA1	03/06/97
	2-Chloroethyl vinyl ether	34579	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Chlorotoluene	77225	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Hexanone	75166	8260	50	Not Detected		ug/kg	SA1	03/06/97
	4-Chlorotoluene	77277	8260	5	Not Detected		ug/kg	SA1	03/06/97
	4-Methyl-2-Pentanone	75169	8260	50	Not Detected		ug/kg	SA1	03/06/97
	Acetone	75059	8260	100	Not Detected		ug/kg	SA1	03/06/97
	Benzene	34237	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromobenzene	78491	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromochloromethane	77297	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromodichloromethane	34330	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromofluorobenzene(Surrogate QC Std.)		8260	0	46.2		ug/kg	SA1	03/06/97
	Bromoform	34290	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromomethane	34416	8260	10	Not Detected		ug/kg	SA1	03/06/97
	Carbon Disulfide	78544	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Carbon Tetrachloride	34299	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chlorobenzene	34304	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chloroethane	34314	8260	10	Not Detected		ug/kg	SA1	03/06/97
	Chloroform	34318	8260	5	Not Detected		ug/kg	SA1	03/06/97

Sample ID : AB49498

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LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Chloromethane	34421	8260	10	Not Detected		ug/kg	SA1	03/06/97
	s-1,2-Dichloroethene	77093	8260	5	Not Detected		ug/kg	SA1	03/06/97
	cis-1,3-Dichloropropene	34702	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromochloromethane	34309	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromofluoromethane(Surrogate QC Std.)		8260	0	52.1		ug/kg	SA1	03/06/97
	Dibromomethane	78756	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dichlorodifluoromethane	34334	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Ethylbenzene	34374	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Hexachlorobutadiene	39705	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Iodomethane	73121	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Isopropylbenzene	77223	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Methylene Chloride	34426	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Butylbenzene	77342	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Propylbenzene	77224	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Naphthalene	34445	8260	5	Not Detected		ug/kg	SA1	03/06/97
	o-Xylene	78362	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p,m-Xylene	45510	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p-Isopropyltoluene	77356	8260	5	Not Detected		ug/kg	SA1	03/06/97
	sec-Butylbenzene	77350	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Styrene	75192	8260	5	Not Detected		ug/kg	SA1	03/06/97
	tert-Butylbenzene	77353	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Tetrachloroethene	34478	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene	34483	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene-d8(Surrogate QC Std.)		8260	0	48.2		ug/kg	SA1	03/06/97
	trans-1,2-Dichloroethene	34549	8260	5	Not Detected		ug/kg	SA1	03/06/97
	trans-1,3-Dichloropropene	34697	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichloroethene	34487	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichlorofluoromethane	34491	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Acetate	78498	8260	50	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Chloride	34495	8260	10	Not Detected		ug/kg	SA1	03/06/97
Organics	***PESTICIDES IN SEDIMENT/SOIL***								
	4,4'-DDD		8080	20.0	Not Detected		ug/kg	ATB	03/12/97
	4,4'-DDE		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	4,4'-DDT		8080	20.0	Not Detected		ug/kg	ATB	03/12/97
	a-BHC		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	ALDRIN		8080	10.0	Not Detected		ug/kg	ATB	03/12/97

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LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	b-BHC		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	HLORDANE		8080	50.0	Not Detected		ug/kg	ATB	03/12/97
	CHLORPYRIFOS (DURSBAN)		8080	50.0	Not Detected		ug/kg	ATB	03/12/97
	d-BHC		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	DIELDRIN		8080	20.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN I		8080	20.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN II		8080	30.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN SULFATE		8080	50.0	Not Detected		ug/kg	ATB	03/12/97
	ENDRIN		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	ENDRIN ALDEHYDE		8080	50.0	Not Detected		ug/kg	ATB	03/12/97
	HEPTACHLOR		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	HEPTACHLOR EPOXIDE		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	HEXACHLOROBENZENE		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	LINDANE (g-BHC)		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	METHOXYCHLOR		8080	40.0	Not Detected		ug/kg	ATB	03/12/97
	MIREX		8080	40.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1016		8080	60.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1221		8080	60.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1232		8080	60.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1242		8080	60.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1248		8080	60.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1254		8080	60.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1260		8080	60.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1262		8080	60.0	Not Detected		ug/kg	ATB	03/12/97
	TOXAPHENE		8080	120	Not Detected		ug/kg	ATB	03/12/97
Organics	***Semivolatile Soil/Sed (8270)***								
	1,2,4,5-Tetrachlorobenzene	79787	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2,4-Trichlorobenzene	34554	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Dichlorobenzene	34539	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Diphenylhydrazine	34349	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,3-Dichlorobenzene	34569	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,4-Dichlorobenzene	34574	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Chloronaphthalene		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Naphthylamine	73143	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,3,4,6-Tetrachlorophenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4,5-Trichlorophenol	78401	8270a	660	Not Detected		ug/kg	LSN	03/25/97

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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	2,4,6-Tribromophenol(Surrogate QC Std.)		8270a	-0-	57.9		ug/kg	LSN	03/25/97
	,4,6-Trichlorophenol	34624	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dichlorophenol	34604	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dimethylphenol	34609	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrophenol	34619	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrotoluene	34614	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dichlorophenol	73122	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dinitrotoluene	34629	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chloronaphthalene	34584	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chlorophenol	34589	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Fluorobiphenyl(Surrogate QC Std.)		8270a	-0-	63.5		ug/kg	LSN	03/25/97
	2-Fluorophenol(Surrogate QC Std.)		8270a	-0-	54.9		ug/kg	LSN	03/25/97
	2-Methylnaphthalene	78868	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Naphthylamine	73124	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Nitroaniline	78299	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2-Nitrophenol	34594	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Picoline	73310	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3,3'-Dichlorobenzidine	34634	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	3-Methylcholanthrene	73156	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3-Nitroaniline	78869	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4,6-Dinitro-2-methylphenol	34660	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4-Aminobiphenyl	73125	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Bromophenyl-phenylether	34639	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Chloro-3-methylphenol	34455	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chloroaniline	78867	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chlorophenyl-phenylether	34644	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitroaniline	78870	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitrophenol	34649	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	7,12-Dimethylbenz(a)anthracene	73115	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	aa-dimethyl-Phenethylamine	73136	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthene	34208	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthylene	34203	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acetophenone	73272	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Aldrin	39333	8270a	660	Not Detected		ug/kg	LSN	03/25/97

Sample ID : AB49498

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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Alpha-BHC	39076	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	.niline	73185	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Anthracene	34223	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzidine	39121	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzoic acid	75315	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]anthracene	34529	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]pyrene	34250	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[b]fluoranthene	34233	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[g,h,i]perylene	34524	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[k]fluoranthene	34245	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzyl alcohol	75212	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	Beta-BHC	34257	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethoxy)methane	34281	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethyl)ether	34276	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroisopropyl)ether	34286	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Ethylhexyl)phthalate	39102	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Butylbenzylphthalate	34295	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Chyrsene	34323	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Delta-BHC	34262	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-butylphthalate	39112	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-octylphthalate	34599	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz(a,j)acridine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenzofuran	75647	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz[a,h]anthracene	34559	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dieldrin	39383	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diethylphthalate	34339	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dimethylphthalate	34344	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diphenylamine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 1	34364	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 2	34359	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan Sulfate	34354	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	Endrin	39393	8270a	1320	Not Detected		ug/kg	LSN	03/25/97
	Endrin Aldehyde	34369	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Ethylmethanesulfonate	73118	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluoranthene	34379	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluorene	34384	8270a	660	Not Detected		ug/kg	LSN	03/25/97

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Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Gamma-BHC	39343	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Heptachlor	39413	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Heptachlor Epoxide	39423	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobenzene	39701	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobutadiene	38705	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorocyclopentadiene	34389	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachloroethane	34399	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Indeno[1,2,3-cd]pyrene	34406	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Isophorone	34411	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Methylmethanesulfonate	73119	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-butylamine	73159	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-propylamine	34428	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodimethylamine	34441	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodiphenylamine	34436	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosopiperidine	73129	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Naphthalene	34445	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene	34450	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene-d5(Surrogate QC Std.)		8270a	-0-	66.0		ug/kg	LSN	03/25/97
	p,p'-DDD	39311	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDE	39321	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDT	39301	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p-Dimethylaminoazobenzene	73116	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorobenzene	79790	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachloronitrobenzene	81808	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorophenol	39061	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Phenacetin	73117	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenanthrene	34464	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol	34695	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol-d5(Surrogate QC Std.)		8270a	-0-	56.7		ug/kg	LSN	03/25/97
	Pronamide	73031	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pyrene	34472	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pyridine	73312	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Terphenyl-d14(Surrogate QC Std.)		8270a	-0-	72.7		ug/kg	LSN	03/25/97

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GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE

Sample comments :

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End of Report

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REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Travis Field - Abandoned Landfills GHL

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Georgia Dept. of Natural Resources

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6388

(File a separate Request Sheet for each sample point)

AB49499 Due date: 03/26/97

Date submitted: 02/28/97

sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6388

Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify):

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Conncentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) ___

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (If known) ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	✓	4 OZ. JARS
Volatiles	✓	8 OZ. JARS
Pesticides	✓	16 OZ. JARS
Herbicides		
Organophosphorous Pesticides		
PCB		
BETX	✓	
Total Petroleum Hydrocarbon		

Organics Special Request: ___

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	✓
Mercury	
Metals, Special Request	
	Zinc

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)		Additional Metals For TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB):	[signature]	Date:	2/19/97	Received By (EPD Lab):	Robert Price
Approved By (HWMB):	[signature]	Date:	2/19/97	Date (EPD Lab):	2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA. EPD-HSRA
205 BUTLER ST.SE, TWIN TOWERS
STE 1462
ATLANTA, GA 30354

Sample Collector:	T HEARD	**Sample ID :**	AB49499
Date Received:	02/28/97	**Date Collected:**	02/26/97
Time Received:	08:55	**Time Collected:**	15:15
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6388
Sample Site:	TRAVIS FIELD ABND LDFIL HW6388		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HW SOLIDS***								
	Arsenic	01002	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Barium	01007	200.7/60	1	32		mg/kg	AAD	03/18/97
	Cadmium	01027	200.7/60	1	Not Detected		mg/kg	AAD	03/18/97
	Chromium	01034	200.7/60	2	8.8		mg/kg	AAD	03/18/97
	Copper	01042	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Lead	01051	200.7/60	5	12		mg/kg	AAD	03/18/97
	Nickel	01067	200.7/60	2	2.2		mg/kg	AAD	03/18/97
	Selenium	01147	200.7/60	5	Not Detected		mg/kg	AAD	03/18/97
	Silver	01077	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Zinc	01092	200.7/60	2	7.6		mg/kg	AAD	03/18/97
Organics	***BTEX COMPOUNDS IN SEDIMENT/SOIL***								
	BENZENE		8020	2	Not Detected		ug/kg	ATB	03/11/97
	ETHYL BENZENE		8020	2	Not Detected		ug/kg	ATB	03/11/97
	m,p XYLENES		8020	2	Not Detected		ug/kg	ATB	03/11/97
	o-XYLENES		8020	2	Not Detected		ug/kg	ATB	03/11/97

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LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
TOLUENE			8020	2	Not Detected		ug/kg	ATB	03/11/97
anics EPA Method 8260 Soil									
1,1,1,2-Tetrachloroethane			8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1,1-Trichloroethane		34509	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1,2,2-Tetrachloroethane		34519	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1,2-Trichloroethane		34514	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1-Dichloroethane		34499	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1-Dichloroethene		34504	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1-Dichloropropene		77168	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2,3-Trichlorobenzene		77613	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2,3-Trichloropropane		78490	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2,4-Trichlorobenzene		34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2,4-Trimethylbenzene		34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2-Dibromo-3-chloropropan		38487	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2-Dibromoethane		79749	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2-Dichlorobenzene		34539	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2-Dichloroethane		34534	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2-Dichloropropane		34544	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,3,5-Trimethylbenzene		77226	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,3-Dichlorobenzene		*34569*	*8260*	*5*	*Not Detected*		*ug/kg*	*SA1*	*03/06/97*
1,3-Dichloropropane		77173	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,4-Dichlorobenzene		34574	8260	5	Not Detected		ug/kg	SA1	03/06/97
2,2-Dichloropropane		77170	8260	5	Not Detected		ug/kg	SA1	03/06/97
2-Butanone		75078	8260	100	Not Detected		ug/kg	SA1	03/06/97
2-Chloroethyl vinyl ether		34579	8260	5	Not Detected		ug/kg	SA1	03/06/97
2-Chlorotoluene		77225	8260	5	Not Detected		ug/kg	SA1	03/06/97
2-Hexanone		75166	8260	50	Not Detected		ug/kg	SA1	03/06/97
4-Chlorotoluene		77277	8260	5	Not Detected		ug/kg	SA1	03/06/97
4-Methyl-2-Pentanone		75169	8260	50	Not Detected		ug/kg	SA1	03/06/97
Acetone		75059	8260	100	Not Detected		ug/kg	SA1	03/06/97
Benzene		34237	8260	5	Not Detected		ug/kg	SA1	03/06/97
Bromobenzene		78491	8260	5	Not Detected		ug/kg	SA1	03/06/97
Bromochloromethane		77297	8260	5	Not Detected		ug/kg	SA1	03/06/97
Bromodichloromethane		34330	8260	5	Not Detected		ug/kg	SA1	03/06/97
Bromofluorobenzene(Surrogate QC Std.)			8260	0	42.5		ug/kg	SA1	03/06/97
Bromoform		34290	8260	5	Not Detected		ug/kg	SA1	03/06/97

Sample ID : AB49499

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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Bromomethane	34416	8260	10	Not Detected		ug/kg	SA1	03/06/97
	`arbon Disulfide	78544	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Carbon Tetrachloride	34299	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chlorobenzene	34304	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chloroethane	34314	8260	10	Not Detected		ug/kg	SA1	03/06/97
	Chloroform	34318	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chloromethane	34421	8260	10	Not Detected		ug/kg	SA1	03/06/97
	cis-1,2-Dichloroethene	77093	8260	5	Not Detected		ug/kg	SA1	03/06/97
	cis-1,3-Dichloropropene	34702	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromochloromethane	34309	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromofluoromethane(Surrogate QC Std.)		8260	0	51.7		ug/kg	SA1	03/06/97
	Dibromomethane	78756	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dichlorodifluoromethane	34334	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Ethylbenzene	34374	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Hexachlorobutadiene	39705	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Iodomethane	73121	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Isopropylbenzene	77223	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Methylene Chloride	34426	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Butylbenzene	77342	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Propylbenzene	77224	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Naphthalene	34445	8260	5	Not Detected		ug/kg	SA1	03/06/97
	o-Xylene	78362	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p,m-Xylene	45510	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p-Isopropyltoluene	77356	8260	5	Not Detected		ug/kg	SA1	03/06/97
	sec-Butylbenzene	77350	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Styrene	75192	8260	5	Not Detected		ug/kg	SA1	03/06/97
	tert-Butylbenzene	77353	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Tetrachloroethene	34478	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene	34483	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene-d8(Surrogate QC Std.)		8260	0	47.6		ug/kg	SA1	03/06/97
	trans-1,2-Dichloroethene	34549	8260	5	Not Detected		ug/kg	SA1	03/06/97
	trans-1,3-Dichloropropene	34697	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichloroethene	34487	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichlorofluoromethane	34491	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Acetate	78498	8260	50	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Chloride	34495	8260	10	Not Detected		ug/kg	SA1	03/06/97

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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Organics	***PESTICIDES IN SEDIMENT/SOIL***								
	4'-DDD		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	4,4'-DDE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	4,4'-DDT		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	a-BHC		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	ALDRIN		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	b-BHC		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	CHLORDANE		8080	25.0	Not Detected		ug/kg	ATB	03/12/97
	CHLORPYRIFOS (DURSBAN)		8080	25.0	Not Detected		ug/kg	ATB	03/12/97
	d-BHC		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	DIELDRIN		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN I		8080	10.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN II		8080	15.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN SULFATE		8080	25.0	Not Detected		ug/kg	ATB	03/12/97
	ENDRIN		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	ENDRIN ALDEHYDE		8080	25.0	Not Detected		ug/kg	ATB	03/12/97
	HEPTACHLOR		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	HEPTACHLOR EPOXIDE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	HEXACHLOROBENZENE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	LINDANE (g-BHC)		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	METHOXYCHLOR		8080	20.0	Not Detected		ug/kg	ATB	03/12/97
	MIREX		8080	20.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1016		8080	30.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1221		8080	30.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1232		8080	30.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1242		8080	30.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1248		8080	30.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1254		8080	30.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1260		8080	30.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1262		8080	30.0	Not Detected		ug/kg	ATB	03/12/97
	TOXAPHENE		8080	60	Not Detected		ug/kg	ATB	03/12/97
Organics	***Semivolatile Soil/Sed (8270)***								
	1,2,4,5-Tetrachlorobenzene	79787	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2,4-Trichlorobenzene	34554	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Dichlorobenzene	34539	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Diphenylhydrazine	34349	8270a	660	Not Detected		ug/kg	LSN	03/25/97

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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	1,3-Dichlorobenzene	34569	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Dichlorobenzene	34574	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Chloronaphthalene		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Naphthylamine	73143	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,3,4,6-Tetrachlorophenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4,5-Trichlorophenol	78401	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4,6-Tribromophenol(Surrogate QC Std.)		8270a	-0-	50.8		ug/kg	LSN	03/25/97
	2,4,6-Trichlorophenol	34624	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dichlorophenol	34604	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dimethylphenol	34609	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrophenol	34619	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrotoluene	34614	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dichlorophenol	73122	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dinitrotoluene	34629	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chloronaphthalene	34584	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chlorophenol	34589	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Fluorobiphenyl(Surrogate QC Std.)		8270a	-0-	53.0		ug/kg	LSN	03/25/97
	2-Fluorophenol(Surrogate QC Std.)		8270a	-0-	51.7		ug/kg	LSN	03/25/97
	2-Methylnaphthalene	78868	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Naphthylamine	73124	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Nitroaniline	78299	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2-Nitrophenol	34594	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Picoline	73310	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3,3'-Dichlorobenzidine	34634	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	3-Methylcholanthrene	73156	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3-Nitroaniline	78869	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4,6-Dinitro-2-methylphenol	34660	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4-Aminobiphenyl	73125	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Bromophenyl-phenylether	34639	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Chloro-3-methylphenol	34455	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chloroaniline	78867	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chlorophenyl-phenylether	34644	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitroaniline	78870	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitrophenol	34649	8270a	3300	Not Detected		ug/kg	LSN	03/25/97

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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	7,12-Dimethylbenz(a)anthracene	73115	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	ı-dimethyl-Phenethylamine	73136	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthene	34208	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthylene	34203	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acetophenone	73272	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Aldrin	39333	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Alpha-BHC	39076	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Aniline	73185	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Anthracene	34223	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzidine	39121	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzoic acid	75315	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]anthracene	34529	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]pyrene	34250	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[b]fluoranthene	34233	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[g,h,i]perylene	34524	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[k]fluoranthene	34245	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzyl alcohol	75212	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	Beta-BHC	34257	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethoxy)methane	34281	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethyl)ether	34276	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroisopropyl)ether	34286	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Ethylhexyl)phthalate	39102	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Butylbenzylphthalate	34295	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Chyrsene	34323	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Delta-BHC	34262	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-butylphthalate	39112	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-octylphthalate	34599	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz(a,j)acridine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenzofuran	75647	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz[a,h]anthracene	34559	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dieldrin	39383	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diethylphthalate	34339	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dimethylphthalate	34344	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diphenylamine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 1	34364	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 2	34359	8270a	3300	Not Detected		ug/kg	LSN	03/25/97

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Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Endosulfan Sulfate	34354	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	ıdrin	39393	8270a	1320	Not Detected		ug/kg	LSN	03/25/97
	Endrin Aldehyde	34369	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Ethylmethanesulfonate	73118	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluoranthene	34379	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluorene	34384	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Gamma-BHC	39343	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Heptachlor	39413	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Heptachlor Epoxide	39423	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobenzene	39701	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobutadiene	38705	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorocyclopentadiene	34389	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachloroethane	34399	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Indeno[1,2,3-cd]pyrene	34406	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Isophorone	34411	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Methylmethanesulfonate	73119	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-butylamine	73159	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-propylamine	34428	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodimethylamine	34441	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodiphenylamine	34436	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosopiperidine	73129	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Naphthalene	34445	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene	34450	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene-d5(Surrogate QC Std.)		8270a	-0-	60.4		ug/kg	LSN	03/25/97
	p,p'-DDD	39311	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDE	39321	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDT	39301	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p-Dimethylaminoazobenzene	73116	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorobenzene	79790	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachloronitrobenzene	81808	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorophenol	39061	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Phenacetin	73117	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenanthrene	34464	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol	34695	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol-d5(Surrogate QC Std.)		8270a	-0-	53.6		ug/kg	LSN	03/25/97
	Pronamide	73031	8270a	660	Not Detected		ug/kg	LSN	03/25/97

PARAMETER CODE: EPA
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Trace: Below quantitation limits
USPEC: Greater than specification limits
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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Pyrene	34472	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pyridine	73312	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Terphenyl-d14(Surrogate QC Std.)		8270a	-0-	57.4		ug/kg	LSN	03/25/97

Sample comments :

ZINC

End of Report

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REQUEST FOR LABORATORY ANALYSIS

GHL

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Date Submitted To Lab: 2/28-97

LAB No.

HWMB LOG NUMBER: 6389

DUPLICATE

88 & 89 same sample

(File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ Other (specify): Georgia Dept. of Natural Resources

Sample Description (check one)

Duplicate

Waste ___ Soil/Sediment

Ground Water ___ Surface Water

AB49500 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6389
Sample Collector: T HEARD

Concentration of Organics Requested (estimated): High ___ Low ✓

Describe Sample Including Source And Known Properties (e.g., pH, conc.)

Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known)

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

- Semi-Volatiles (Acid & Base/Neutral) ✓
- Volatiles ✓
- Pesticides ✓
- Herbicides ___
- Organophosphorous Pesticides ___
- PCB ___
- BETX ✓
- Total Petroleum Hydrocarbon ___

Organics Special Request:

2. TOTAL METALS

- ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ✓
- Mercury ___
- Metals, Special Request ___ zinc

4 OZ. JARS
8 OZ. JARS
16 OZ. JARS

3. TCLP ORGANICS

- Volatiles ___
- Semi-Volatiles (Acid & Base/Neutral) ___
- Pesticides ___
- Herbicides ___

Additional Specific Organics For TCLP:

4. TCLP METALS ANALYSIS

- TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ___
- Mercury ___

Additional Metals For TCLP:

5. ADDITIONAL ANALYSIS REQUESTED (see list on back):

Reviewed By (HWMB): [signature] Date: 2/19/97

Approved By (HWMB): [signature] Date: 2/19/97

Received By (EPD Lab): Robert Price

Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA. EPD-HSRA
205 BUTLER ST.SE, TWIN TOWERS
STE 1462
ATLANTA, GA 30354

Sample Collector:	T HEARD	**Sample ID :**	**AB49500**
Date Received:	02/28/97	**Date Collected:**	02/26/97
Time Received:	08:55	**Time Collected:**	15:15
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6389
Sample Site:	TRAVIS FIELD DUPLICATE HW6389		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HW SOLIDS***								
	Arsenic	01002	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Barium	01007	200.7/60	1	31		mg/kg	AAD	03/18/97
	Cadmium	01027	200.7/60	1	Not Detected		mg/kg	AAD	03/18/97
	Chromium	01034	200.7/60	2	8.5		mg/kg	AAD	03/18/97
	Copper	01042	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Lead	01051	200.7/60	5	12		mg/kg	AAD	03/18/97
	Nickel	01067	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Selenium	01147	200.7/60	5	Not Detected		mg/kg	AAD	03/18/97
	Silver	01077	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Zinc	01092	200.7/60	2	6.3		mg/kg	AAD	03/18/97
Organics	***BTEX COMPOUNDS IN SEDIMENT/SOIL***								
	BENZENE		8020	2	Not Detected		ug/kg	ATB	03/11/97
	ETHYL BENZENE		8020	2	Not Detected		ug/kg	ATB	03/11/97
	m,p XYLENES		8020	2	Not Detected		ug/kg	ATB	03/11/97
	o-XYLENES		8020	2	Not Detected		ug/kg	ATB	03/11/97

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Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
TOLUENE			8020	2	Not Detected		ug/kg	ATB	03/11/97
C nics EPA Method 8260 Soil									
1,1,1,2-Tetrachloroethane			8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1,1-Trichloroethane		34509	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1,2,2-Tetrachloroethane		34519	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1,2-Trichloroethane		34514	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1-Dichloroethane		34499	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1-Dichloroethene		34504	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,1-Dichloropropene		77168	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2,3-Trichlorobenzene		77613	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2,3-Trichloropropane		78490	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2,4-Trichlorobenzene		34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2,4-Trimethylbenzene		34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2-Dibromo-3-chloropropan		38487	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2-Dibromoethane		79749	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2-Dichlorobenzene		34539	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2-Dichloroethane		34534	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,2-Dichloropropane		34544	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,3,5-Trimethylbenzene		77226	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,3-Dichlorobenzene		34569	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,3-Dichloropropane		77173	8260	5	Not Detected		ug/kg	SA1	03/06/97
1,4-Dichlorobenzene		34574	8260	5	Not Detected		ug/kg	SA1	03/06/97
2,2-Dichloropropane		77170	8260	5	Not Detected		ug/kg	SA1	03/06/97
2-Butanone		75078	8260	100	Not Detected		ug/kg	SA1	03/06/97
2-Chloroethyl vinyl ether		34579	8260	5	Not Detected		ug/kg	SA1	03/06/97
2-Chlorotoluene		77225	8260	5	Not Detected		ug/kg	SA1	03/06/97
2-Hexanone		75166	8260	50	Not Detected		ug/kg	SA1	03/06/97
4-Chlorotoluene		77277	8260	5	Not Detected		ug/kg	SA1	03/06/97
4-Methyl-2-Pentanone		75169	8260	50	Not Detected		ug/kg	SA1	03/06/97
Acetone		75059	8260	100	Not Detected		ug/kg	SA1	03/06/97
Benzene		34237	8260	5	Not Detected		ug/kg	SA1	03/06/97
Bromobenzene		78491	8260	5	Not Detected		ug/kg	SA1	03/06/97
Bromochloromethane		77297	8260	5	Not Detected		ug/kg	SA1	03/06/97
Bromodichloromethane		34330	8260	5	Not Detected		ug/kg	SA1	03/06/97
Bromofluorobenzene(Surrogate QC Std.)			8260	0	47.3		ug/kg	SA1	03/06/97
Bromoform		34290	8260	5	Not Detected		ug/kg	SA1	03/06/97

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Metals	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Bromomethane	34416	8260	10	Not Detected		ug/kg	SA1	03/06/97
	ɔn Disulfide	78544	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Carbon Tetrachloride	34299	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chlorobenzene	34304	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chloroethane	34314	8260	10	Not Detected		ug/kg	SA1	03/06/97
	Chloroform	34318	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chloromethane	34421	8260	10	Not Detected		ug/kg	SA1	03/06/97
	cis-1,2-Dichloroethene	77093	8260	5	Not Detected		ug/kg	SA1	03/06/97
	cis-1,3-Dichloropropene	34702	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromochloromethane	34309	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromofluoromethane(Surrogate QC Std.)		8260	0	49.1		ug/kg	SA1	03/06/97
	Dibromomethane	78756	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dichlorodifluoromethane	34334	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Ethylbenzene	34374	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Hexachlorobutadiene	39705	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Iodomethane	73121	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Isopropylbenzene	77223	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Methylene Chloride	34426	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Butylbenzene	77342	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Propylbenzene	77224	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Naphthalene	34445	8260	5	Not Detected		ug/kg	SA1	03/06/97
	o-Xylene	78362	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p,m-Xylene	45510	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p-Isopropyltoluene	77356	8260	5	Not Detected		ug/kg	SA1	03/06/97
	sec-Butylbenzene	77350	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Styrene	75192	8260	5	Not Detected		ug/kg	SA1	03/06/97
	tert-Butylbenzene	77353	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Tetrachloroethene	34478	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene	34483	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene-d8(Surrogate QC Std.)		8260	0	49.4		ug/kg	SA1	03/06/97
	trans-1,2-Dichloroethene	34549	8260	5	Not Detected		ug/kg	SA1	03/06/97
	trans-1,3-Dichloropropene	34697	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichloroethene	34487	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichlorofluoromethane	34491	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Acetate	78498	8260	50	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Chloride	34495	8260	10	Not Detected		ug/kg	SA1	03/06/97

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Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Organics	***PESTICIDES IN SEDIMENT/SOIL***								
	DDD		8080	2.0	Not Detected		ug/kg	ATB	03/12/97
	4,4'-DDE		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	4,4'-DDT		8080	2.0	Not Detected		ug/kg	ATB	03/12/97
	a-BHC		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	ALDRIN		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	b-BHC		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	CHLORDANE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	CHLORPYRIFOS (DURSBAN)		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	d-BHC		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	DIELDRIN		8080	2.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN I		8080	2.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN II		8080	3.0	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN SULFATE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	ENDRIN		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	ENDRIN ALDEHYDE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	HEPTACHLOR		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	HEPTACHLOR EPOXIDE		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	HEXACHLOROBENZENE		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	LINDANE (g-BHC)		8080	1.0	Not Detected		ug/kg	ATB	03/12/97
	METHOXYCHLOR		8080	4.0	Not Detected		ug/kg	ATB	03/12/97
	MIREX		8080	4.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1016		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1221		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1232		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1242		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1248		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1254		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1260		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	PCB-1262		8080	6.0	Not Detected		ug/kg	ATB	03/12/97
	TOXAPHENE		8080	12	Not Detected		ug/kg	ATB	03/12/97
Organics	***Semivolatile Soil/Sed (8270)***								
	1,2,4,5-Tetrachlorobenzene	79787	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2,4-Trichlorobenzene	34554	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Dichlorobenzene	34539	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Diphenylhydrazine	34349	8270a	660	Not Detected		ug/kg	LSN	03/25/97

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LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	1,3-Dichlorobenzene	34569	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dichlorobenzene	34574	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Chloronaphthalene		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Naphthylamine	73143	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,3,4,6-Tetrachlorophenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4,5-Trichlorophenol	78401	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4,6-Tribromophenol(Surrogate QC Std.)		8270a	-0-	65.0		ug/kg	LSN	03/25/97
	2,4,6-Trichlorophenol	34624	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dichlorophenol	34604	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dimethylphenol	34609	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrophenol	34619	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrotoluene	34614	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dichlorophenol	73122	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dinitrotoluene	34629	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chloronaphthalene	34584	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chlorophenol	34589	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Fluorobiphenyl(Surrogate QC Std.)		8270a	-0-	69.6		ug/kg	LSN	03/25/97
	2-Fluorophenol(Surrogate QC Std.)		8270a	-0-	55.2		ug/kg	LSN	03/25/97
	2-Methylnaphthalene	78868	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Naphthylamine	73124	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Nitroaniline	78299	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2-Nitrophenol	34594	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Picoline	73310	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3,3'-Dichlorobenzidine	34634	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	3-Methylcholanthrene	73156	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3-Nitroaniline	78869	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4,6-Dinitro-2-methylphenol	34660	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4-Aminobiphenyl	73125	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Bromophenyl-phenylether	34639	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Chloro-3-methylphenol	34455	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chloroaniline	78867	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chlorophenyl-phenylether	34644	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitroaniline	78870	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitrophenol	34649	8270a	3300	Not Detected		ug/kg	LSN	03/25/97

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GC Mass Spec:	Steve Bryan	Ext 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	7,12-Dimethylbenz(a)anthracene	73115	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	limethyl-Phenethylamine	73136	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthene	34208	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthylene	34203	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acetophenone	73272	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Aldrin	39333	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Alpha-BHC	39076	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Aniline	73185	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Anthracene	34223	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzidine	39121	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzoic acid	75315	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]anthracene	34529	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]pyrene	34250	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[b]fluoranthene	34233	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[g,h,i]perylene	34524	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[k]fluoranthene	34245	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzyl alcohol	75212	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	Beta-BHC	34257	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethoxy)methane	34281	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethyl)ether	34276	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroisopropyl)ether	34286	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Ethylhexyl)phthalate	39102	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Butylbenzylphthalate	34295	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Chyrsene	34323	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Delta-BHC	34262	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-butylphthalate	39112	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-octylphthalate	34599	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz(a,j)acridine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenzofuran	75647	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz[a,h]anthracene	34559	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dieldrin	39383	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diethylphthalate	34339	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dimethylphthalate	34344	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diphenylamine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 1	34364	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 2	34359	8270a	3300	Not Detected		ug/kg	LSN	03/25/97

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Endosulfan Sulfate	34354	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	rin	39393	8270a	1320	Not Detected		ug/kg	LSN	03/25/97
	Endrin Aldehyde	34369	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Ethylmethanesulfonate	73118	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluoranthene	34379	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluorene	34384	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Gamma-BHC	39343	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Heptachlor	39413	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Heptachlor Epoxide	39423	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobenzene	39701	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobutadiene	38705	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorocyclopentadiene	34389	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachloroethane	34399	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Indeno[1,2,3-cd]pyrene	34406	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Isophorone	34411	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Methylmethanesulfonate	73119	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-butylamine	73159	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-propylamine	34428	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodimethylamine	34441	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodiphenylamine	34436	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosopiperidine	73129	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Naphthalene	34445	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene	34450	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene-d5(Surrogate QC Std.)		8270a	-0-	66.2		ug/kg	LSN	03/25/97
	p,p'-DDD	39311	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDE	39321	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDT	39301	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p-Dimethylaminoazobenzene	73116	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorobenzene	79790	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachloronitrobenzene	81808	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorophenol	39061	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Phenacetin	73117	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenanthrene	34464	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol	34695	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol-d5(Surrogate QC Std.)		8270a	-0-	59.4		ug/kg	LSN	03/25/97
	Pronamide	73031	8270a	660	Not Detected		ug/kg	LSN	03/25/97

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Pyrene	34472	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	line	73312	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Terphenyl-d14(Surrogate QC Std.)		8270a	-0-	78.4		ug/kg	LSN	03/25/97

Sample comments :

ZINC

End of Report

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
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Laboratory Contacts:			
	Inorganics:	Pat Sammons	Ext. 5239
	Metals :	Harjinder Ghuman	Ext. 5223
	Organics:	Danny Reed	Ext. 5252
	GC Mass Spec:	Steve Bryan	Ext. 5260

REQUEST FOR LABORATORY ANALYSIS

GHL

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6390

(File a separate Record Sheet for each sample point)

Georgia Dept. of Natural Resources

AB49503 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6390
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify): _

Sample Description (check one)

Waste	___	Soil/Sediment	___	Sludge	___
Ground Water	___	Surface Water	✓	Drinking Water Well	___

Concentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

OIL AND GREASE	SULFIDES/PHENOLS	VOC VIALS	AMBER BOTTLES	METAL BOTTLES	FCOL BOTTLES	NUTRIENTS/SULFATES	HALF GALLONS/CYANIDE	

Semi-Volatiles (Acid & Base/Neutral) ___
Volatiles ___
Pesticides ___
Herbicides ___
Organophosphorous Pesticides ___
PCB ___
BETX ___
Total Petroleum Hydrocarbon ___

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ✓
Mercury ___
Metals, Special Request: ___
gmc

Organics Special Request: _____

3. TCLP ORGANICS

Volatiles ___ Pesticides ___
Semi-Volatiles (Acid & Base/Neutral) ___ Herbicides ___
Additional Specific Organics For TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ___ Additional Metals For TCLP: _____
Mercury ___

5. ADDITIONAL ANALYSIS REQUESTED (see list on back):

Reviewed By (HWMB): [signature] Date: 2/19/97 Received By (EPD Lab): Robert Price
Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA. EPD-HSRA
205 BUTLER ST.SE, TWIN TOWERS
STE 1462
ATLANTA, GA 30354

Sample Collector:	T HEARD	**Sample ID :**	**AB49503**
Date Received:	02/28/97	**Date Collected:**	02/26/97
Time Received:	08:55	**Time Collected:**	15:55
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6390
Sample Site:	TRAVIS FIELD ABND LDFIL HW6390		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	*ICP METALS FOR HAZARDOUS WASTE*								
	Arsenic	01002	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Barium	01007	200.7/60	10	11		ug/l	AAD	03/05/97
	Cadmium	01027	200.7/60	5	Not Detected		ug/l	AAD	03/05/97
	Chromium	01034	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Lead	01051	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Nickel	01067	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Selenium	01147	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Silver	01077	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Zinc	01092	200.7/60	20	Not Detected		ug/l	AAD	03/05/97

Sample comments :
ZINC

End of Report

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace. Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600 GHL

Collection Date: 2-26-97 & 2-27-97

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6391

(File a separate Request Sheet for each sample point)

Georgia Dept. of Natural Resources

AB49506 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW639
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify): ___

Sample Description (check one)

Waste	___	Soil/Sediment	✓	Sludge	___
Ground Water	___	Surface Water	___	Drinking Water Well	___

Concentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) ___

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ___ ___ ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	___
Volatiles	___
Pesticides	___
Herbicides	___
Organophosphorous Pesticides	___
PCB	___
BETX	___
Total Petroleum Hydrocarbon	___

4 OZ JARS
8 OZ JARS
16 OZ JARS

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	✓
Mercury	___
Metals, Special Request:	___

Organics Special Request: ___

3. TCLP ORGANICS

Volatiles	___	Pesticides	___
Semi-Volatiles (Acid & Base/Neutral)	___	Herbicides	___

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	___	Additional Metals For TCLP:	___
Mercury	___		

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB): [signature] Date: 2/19/97 Received By (EPD Lab): Robert Price

Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA. EPD-HSRA
205 BUTLER ST.SE, TWIN TOWERS
STE 1462
ATLANTA, GA 30354

Sample Collector:	T HEARD	**Sample ID :**	AB49506
Date Received:	02/28/97	**Date Collected:**	02/26/97
Time Received:	08:55	**Time Collected:**	15:55
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6391
Sample Site:	TRAVIS FIELD ABND LDFIL HW6391		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HW SOLIDS***								
	Arsenic	01002	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Barium	01007	200.7/60	1	14		mg/kg	AAD	03/18/97
	Cadmium	01027	200.7/60	1	Not Detected		mg/kg	AAD	03/18/97
	Chromium	01034	200.7/60	2	20		mg/kg	AAD	03/18/97
	Copper	01042	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Lead	01051	200.7/60	5	10		mg/kg	AAD	03/18/97
	Nickel	01067	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Selenium	01147	200.7/60	5	Not Detected		mg/kg	AAD	03/18/97
	Silver	01077	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Zinc	01092	200.7/60	2	4.6		mg/kg	AAD	03/18/97

Sample comments :
ZINC

End of Report

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:		
Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

REQUEST FOR LABORATORY ANALYSIS

GHL

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Georgia Dept. of Natural Resources

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6392

(File a separate Request Sheet for each sample point)

AB49508 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6392
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify): _

Sample Description (check one)

Waste	___	Soil/Sediment	___	Sludge	___
Ground Water	___	Surface Water	✓	Drinking Water Well	___

Concentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	___	OIL AND GREASE	SULFIDES/PHENOLS	VOC VIALS	AMBER BOTTLES	METAL BOTTLES	FCOL BOTTLES	NUTRIENTS/SULFATES	HALF GALLONS/CYANIDE
Volatiles	___								
Pesticides	___								
Herbicides	___								
Organophosphorous Pesticides	___								
PCB	___								
BETX	___								
Total Petroleum Hydrocarbon	___								

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ✓

Mercury ___

Metals Special Request: ___ gms

Organics Special Request: _____

3. TCLP ORGANICS

Volatiles ___ Pesticides ___

Semi-Volatiles (Acid & Base/Neutral) ___ Herbicides ___

Additional Specific Organics For TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ___ Additional Metals For TCLP: _____

Mercury ___

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): _____

Reviewed By (HWMB): [signature] Date: 2/19/97 Received By (EPD Lab): Robert Price

Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA. EPD-HSRA
205 BUTLER ST.SE, TWIN TOWERS
STE 1462
ATLANTA, GA 30354

Sample Collector: T HEARD **Sample ID :** AB49508
Date Received: 02/28/97 **Date Collected:** 02/26/97
Time Received: 08:55 **Time Collected:** 16:30
Reporting Date: 03/28/97 **DNR Lab Reference:** HW6392
Sample Site: TRAVIS FIELD ABND LDFIL HW6392

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HAZARDOUS WASTE***								
	Arsenic	01002	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Barium	01007	200.7/60	10	25		ug/l	AAD	03/05/97
	Cadmium	01027	200.7/60	5	Not Detected		ug/l	AAD	03/05/97
	Chromium	01034	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Lead	01051	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Nickel	01067	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Selenium	01147	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Silver	01077	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Zinc	01092	200.7/60	20	41		ug/l	AAD	03/05/97

Sample comments :
ZINC

End of Report

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600 GHL

Collection Date: 2-26-97 + 2-27-97

Georgia Dept. of Natural Resources

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6393

(File a separate Request Sheet for each sample point)

AB49511 Due date: 03/26/97
Date submitted: 02/28/97 TRAVIS
sourceID: ADHOC ~~TRAVIS~~ FIELD ABND LDFIL HW6393
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify): _

Sample Description (check one)

Waste	___	Soil/Sediment	✓	Sludge	___
Ground Water	___	Surface Water	___	Drinking Water Well	___

Concentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	___	4 OZ JARS
Volatiles	___	8 OZ JARS
Pesticides	___	16 OZ JARS
Herbicides	___	
Organophosphorous Pesticides	___	
PCB	___	
BETX	___	
Total Petroleum Hydrocarbon	___	

Organics Special Request: _____

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	✓
Mercury	___
Metals, Special Request	___

gw

3. TCLP ORGANICS

Volatiles	___	Pesticides	___
Semi-Volatiles (Acid & Base/Neutral)	___	Herbicides	___

Additional Specific Organics For TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	___	Additional Metals For TCLP:	___
Mercury	___		

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): _____

Reviewed By (HWMB):	[signature]	Date:	2/19/97	Received By (EPD Lab):	Robert Rice
Approved By (HWMB):	[signature]	Date:	2/19/97	Date (EPD Lab):	2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA EPD-HSRA
205 BUTLER ST., SE
TWIN TOWERS, SUITE 1462
ATLANTA, GA, 30354

Sample Collector:	T HEARD	**Sample ID :**	AB49511
Date Received:	02/28/97	**Date Collected:**	02/26/97
Time Received:	09:22	**Time Collected:**	16:40
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6393
Sample Site:	TRAVIS FIELD ABND LDFIL HW6393		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HW SOLIDS***								
	Arsenic	01002	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Barium	01007	200.7/60	1	17		mg/kg	AAD	03/18/97
	Cadmium	01027	200.7/60	1	Not Detected		mg/kg	AAD	03/18/97
	Chromium	01034	200.7/60	2	18		mg/kg	AAD	03/18/97
	Copper	01042	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Lead	01051	200.7/60	5	16		mg/kg	AAD	03/18/97
	Nickel	01067	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Selenium	01147	200.7/60	5	Not Detected		mg/kg	AAD	03/18/97
	Silver	01077	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Zinc	01092	200.7/60	2	13		mg/kg	AAD	03/18/97

Sample comments :
ZINC

End of Report

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:		
Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6394

(File a separate Request Sheet for each sample point)

GHL

Georgia Dept. of Natural Resources

AB49512 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6394
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify): ___

Sample Description (check one)

Waste ___ Soil/Sediment ✓ Sludge ___

Ground Water ___ Surface Water ___ Drinking Water Well ___

Conncentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) ___

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ___ ___ ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral) ___

Volatiles ___

Pesticides ___

Herbicides ___

Organophosphorous Pesticides ___

PCB ___

BETX ___

Total Petroleum Hydrocarbon ___

Organics Special Request: ___

4 OZ. JARS
8 OZ. JARS
16 OZ. JARS

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ✓

Mercury ___

Metals Special Request: ___

give

3. TCLP ORGANICS

Volatiles ___ Pesticides ___

Semi-Volatiles (Acid & Base/Neutral) ___ Herbicides ___

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ___ Additional Metals For TCLP: ___

Mercury ___

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB): [signature] Date: 2/19/97 Received By (EPD Lab): Robert Price

Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA EPD-HSRA
205 BUTLER ST., SE
TWIN TOWERS, SUITE 1462
ATLANTA, GA, 30354

Sample Collector:	T HEARD	**Sample ID :**	**AB49512**
Date Received:	02/28/97	**Date Collected:**	02/27/97
Time Received:	09:22	**Time Collected:**	10:25
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6394
Sample Site:	TRAVIS FIELD ABND LDFIL HW6394		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HW SOLIDS***								
	Arsenic	01002	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Barium	01007	200.7/60	1	15		mg/kg	AAD	03/18/97
	Cadmium	01027	200.7/60	1	Not Detected		mg/kg	AAD	03/18/97
	Chromium	01034	200.7/60	2	6.9		mg/kg	AAD	03/18/97
	Copper	01042	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Lead	01051	200.7/60	5	5.7		mg/kg	AAD	03/18/97
	Nickel	01067	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Selenium	01147	200.7/60	5	Not Detected		mg/kg	AAD	03/18/97
	Silver	01077	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Zinc	01092	200.7/60	2	4.0		mg/kg	AAD	03/18/97

Sample comments :
ZINC

End of Report

.RAMETER CODE: EPA
.g/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

REQUEST FOR LABORATORY ANALYSIS

GHL

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6395

(File a separate Request Sheet for each sample point)

Georgia Dept. of Natural Resources

AB49513 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LOFIL HW6395
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (spec

Sample Description (check one)

Waste ___ Soil/Sediment ___ Sludge ___

Ground Water ___ Surface Water ✓ Drinking Water Well ___

Conncentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) ___

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ___ ___ ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral) ___

Volatiles ___

Pesticides ___

Herbicides ___

Organophosphorous Pesticides ___

PCB ___

BETX ___

Total Petroleum Hydrocarbon ___

Organics Special Request: ___

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ✓

Mercury ___

Metals, Special Request: zinc

HALF GALLONS/CYANIDE
NUTRIENTS/SULFATES
FCOL BOTTLES
METAL BOTTLES
AMBER BOTTLES
VOC VIALS
SULFIDES/PHENOLS
OIL AND GREASE

3. TCLP ORGANICS

Volatiles ___ Pesticides ___

Semi-Volatiles (Acid & Base/Neutral) ___ Herbicides ___

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ___ Additional Metals For TCLP: ___

Mercury ___

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB): Mark Smith Date: 2/19/97 Received By (EPD Lab): Robert Price

Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA EPD-HSRA
205 BUTLER ST., SE
TWIN TOWERS, SUITE 1462
ATLANTA, GA, 30354

Sample Collector:	T HEARD	**Sample ID :**	AB49513
Date Received:	02/28/97	**Date Collected:**	02/27/97
Time Received:	09:22	**Time Collected:**	10:45
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6395
Sample Site:	TRAVIS FIELD ABND LDFIL HW6395		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HAZARDOUS WASTE***								
	Arsenic	01002	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Barium	01007	200.7/60	10	19		ug/l	AAD	03/05/97
	Cadmium	01027	200.7/60	5	Not Detected		ug/l	AAD	03/05/97
	Chromium	01034	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Lead	01051	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Nickel	01067	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Selenium	01147	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Silver	01077	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Zinc	01092	200.7/60	20	Not Detected		ug/l	AAD	03/05/97

Sample comments :
ZINC

End of Report

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Travis Field - Abandoned Landfills GHL

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-9

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6396

(File a separate Request Sheet for each sample point)

Georgia Dept. of Natural Resources

AB49515 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6396
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify)

Sample Description (check one)

Waste	___	Soil/Sediment	___	Sludge	___
Ground Water	___	Surface Water	✓	Drinking Water Well	___

Concentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) ___

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	___	OIL AND GREASE	___
Volatiles	___	SULFIDES/PHENOLS	___
Pesticides	___	VOC VIALS	___
Herbicides	___	AMBER BOTTLES	___
Organophosphorous Pesticides	___	METAL BOTTLES	___
PCB	___	FCOL BOTTLES	___
BETX	___	NUTRIENTS/SULFATES	___
Total Petroleum Hydrocarbon	___	AAF GALLONS/CYANIDE	___

Organics Special Request: ___

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	✓
Mercury	___
Metals, Special Request:	___
zinc	

3. TCLP ORGANICS

Volatiles	___	Pesticides	___
Semi-Volatiles (Acid & Base/Neutral)	___	Herbicides	___

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	___	Additional Metals For TCLP:	___
Mercury	___		

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB):	[signature]	Date:	2/19/97	Received By (EPD Lab):	Robert Price
Approved By (HWMB):	[signature]	Date:	2/19/97	Date (EPD Lab):	2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA EPD-HSRA
205 BUTLER ST., SE
TWIN TOWERS, SUITE 1462
ATLANTA, GA, 30354

Sample Collector:	T HEARD	**Sample ID :**	**AB49515**
Date Received:	02/28/97	**Date Collected:**	02/27/97
Time Received:	09:22	**Time Collected:**	10:50
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6396
Sample Site:	TRAVIS FIELD ABND LDFIL HW6396		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	*ICP METALS FOR HAZARDOUS WASTE*								
	Arsenic	01002	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Barium	01007	200.7/60	10	15		ug/l	AAD	03/05/97
	Cadmium	01027	200.7/60	5	Not Detected		ug/l	AAD	03/05/97
	Chromium	01034	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Lead	01051	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Nickel	01067	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Selenium	01147	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Silver	01077	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Zinc	01092	200.7/60	20	Not Detected		ug/l	AAD	03/05/97

Sample comments :
ZINC

End of Report

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

HAZARDOUS WASTE MANAGEMENT ...

REQUEST FOR LABORATORY ANALYSIS

GHL

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Date Submitted To Lab: 2-28-97 LAB No.

HWMB LOG NUMBER: 6397 Georgia Dept. of Natural Resources

(File a separate Request Sheet for each sample point)

FIELD BLANK

Analysis Needed By: Routine ✓

AB49516 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD FIELD BLK HW6397
Sample Collector: T HEARD

Sample Description (check one)

Waste ___ Ground Water ___ Water Well ___

Concentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) distilled water

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known)

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral) ✓ TM
Volatiles ✓
Pesticides ✓ TM
Herbicides ___
Organophosphorous Pesticides ___
PCB ___
BETX ___
Total Petroleum Hydrocarbon ___

1-8oz. jar w/ liquid
1-VOC
May not be enough sample

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ✓
Mercury ___
Metals, Special Request: ___
zinc

Organics Special Request:

3. TCLP ORGANICS

Volatiles ___ Pesticides ___
Semi-Volatiles (Acid & Base/Neutral) ___ Herbicides ___
Additional Specific Organics For TCLP:

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ___ Additional Metals For TCLP:
Mercury ___

5. ADDITIONAL ANALYSIS REQUESTED (see list on back):

Reviewed By (HWMB): [signature] Date: 2/19/97 Received By (EPD Lab): Robert Price
Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA EPD-HSRA
205 BUTLER ST., SE
TWIN TOWERS, SUITE 1462
ATLANTA, GA, 30354

Sample Collector:	T HEARD	**Sample ID :**	AB49516
Date Received:	02/28/97	**Date Collected:**	02/27/97
Time Received:	09:22	**Time Collected:**	10:15
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW6397
Sample Site:	TRAVIS FIELD FIELD BLK HW6397		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HAZARDOUS WASTE***								
	Arsenic	01002	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Barium	01007	200.7/60	10	Not Detected		ug/l	AAD	03/05/97
	Cadmium	01027	200.7/60	5	Not Detected		ug/l	AAD	03/05/97
	Chromium	01034	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Lead	01051	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Nickel	01067	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Selenium	01147	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Silver	01077	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Zinc	01092	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
Organics	***EPA Method 8260 Water***								
	1,1,1,2-Tetrachloroethane	77562	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,1,1-Trichloroethane	34506	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,1,2,2-Tetrachloroethane	34516	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,1,2-Trichloroethane	34511	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,1-Dichloroethane	34496	8260	5	Not Detected		ug/L	SA1	03/06/97

PARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	1,1-Dichloroethene	34501	8260	5	Not Detected		ug/L	SA1	03/06/97
	1-Dichloropropene	77168	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2,3-Trichlorobenzene	77613	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2,3-Trichloropropane	77443	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2,4-Trichlorobenzene	34551	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2,4-Trimethylbenzene	77222	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2-Dibromo-3-chloropropan	38487	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2-Dibromoethane	77651	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2-Dichlorobenzene	34536	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2-Dichloroethane	32103	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,2-Dichloropropane	34541	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,3,5-Trimethylbenzene	77226	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,3-Dichlorobenzene	34566	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,3-Dichloropropane	77173	8260	5	Not Detected		ug/L	SA1	03/06/97
	1,4-Dichlorobenzene	34571	8260	5	Not Detected		ug/L	SA1	03/06/97
	2,2-Dichloropropane	77170	8260	5	Not Detected		ug/L	SA1	03/06/97
	2-Butanone	81595	8260	100	Not Detected		ug/L	SA1	03/06/97
	2-Chloroethyl vinyl ether	34576	8260	5	Not Detected		ug/L	SA1	03/06/97
	2-Chlorotoluene	77275	8260	5	Not Detected		ug/L	SA1	03/06/97
	2-Hexanone	77103	8260	50	Not Detected		ug/L	SA1	03/06/97
	4-Chlorotoluene	77277	8260	5	Not Detected		ug/L	SA1	03/06/97
	4-Methyl-2-Pentanone	81596	8260	50	Not Detected		ug/L	SA1	03/06/97
	Acetone	81552	8260	100	Not Detected		ug/L	SA1	03/06/97
	Benzene	34030	8260	5	Not Detected		ug/L	SA1	03/06/97
	Bromobenzene	81555	8260	5	Not Detected		ug/L	SA1	03/06/97
	Bromochloromethane	77297	8260	5	Not Detected		ug/L	SA1	03/06/97
	Bromodichloromethane	32101	8260	5	Not Detected		ug/L	SA1	03/06/97
	Bromofluorobenzene(Surrogate QC Std.)		8260	0	51.1		ug/L	SA1	03/06/97
	Bromoform	32104	8260	5	Not Detected		ug/L	SA1	03/06/97
	Bromomethane	34413	8260	10	Not Detected		ug/L	SA1	03/06/97
	Carbon Disulfide	77041	8260	5	Not Detected		ug/L	SA1	03/06/97
	Carbon Tetrachloride	32102	8260	5	Not Detected		ug/L	SA1	03/06/97
	Chlorobenzene	34301	8260	5	Not Detected		ug/L	SA1	03/06/97
	Chloroethane	34311	8260	10	Not Detected		ug/L	SA1	03/06/97
	Chloroform	32106	8260	5	Not Detected		ug/L	SA1	03/06/97
	Chloromethane	34418	8260	10	Not Detected		ug/L	SA1	03/06/97

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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	cis-1,2-Dichloroethene	77093	8260	5	Not Detected		ug/L	SA1	03/06/97
	s-1,3-Dichloropropene	34704	8260	5	Not Detected		ug/L	SA1	03/06/97
	Dibromochloromethane	32105	8260	5	Not Detected		ug/L	SA1	03/06/97
	Dibromofluoromethane(Surrogate QC Std.)		8260	0	50.8		ug/L	SA1	03/06/97
	Dibromomethane	77596	8260	5	Not Detected		ug/L	SA1	03/06/97
	Dichlorodifluoromethane	34668	8260	5	Not Detected		ug/L	SA1	03/06/97
	Ethylbenzene	34371	8260	5	Not Detected		ug/L	SA1	03/06/97
	Hexachlorobutadiene	38702	8260	5	Not Detected		ug/L	SA1	03/06/97
	Iodomethane	77424	8260	5	Not Detected		ug/L	SA1	03/06/97
	Isopropylbenzene	77223	8260	5	Not Detected		ug/L	SA1	03/06/97
	Methylene Chloride	34423	8260	5	Not Detected		ug/L	SA1	03/06/97
	n-Butylbenzene	77342	8260	5	Not Detected		ug/L	SA1	03/06/97
	n-Propylbenzene	77224	8260	5	Not Detected		ug/L	SA1	03/06/97
	Naphthalene	34696	8260	5	Not Detected		ug/L	SA1	03/06/97
	o-Xylene	77135	8260	5	Not Detected		ug/L	SA1	03/06/97
	p,m-Xylene	77135	8260	5	Not Detected		ug/L	SA1	03/06/97
	p-Isopropyltoluene	77356	8260	5	Not Detected		ug/L	SA1	03/06/97
	sec-Butylbenzene	77350	8260	5	Not Detected		ug/L	SA1	03/06/97
	Styrene	77128	8260	5	Not Detected		ug/L	SA1	03/06/97
	tert-Butylbenzene	77353	8260	5	Not Detected		ug/L	SA1	03/06/97
	Tetrachloroethene	34475	8260	5	Not Detected		ug/L	SA1	03/06/97
	Toluene	34010	8260	5	Not Detected		ug/L	SA1	03/06/97
	Toluene-d8(Surrogate QC Std.)		8260	0	49.6		ug/L	SA1	03/06/97
	trans-1,2-Dichloroethene	34546	8260	5	Not Detected		ug/L	SA1	03/06/97
	trans-1,3-Dichloropropene	34699	8260	5	Not Detected		ug/L	SA1	03/06/97
	Trichloroethene	39180	8260	5	Not Detected		ug/L	SA1	03/06/97
	Trichlorofluoromethane	34488	8260	5	Not Detected		ug/L	SA1	03/06/97
	Vinyl Acetate	77057	8260	50	Not Detected		ug/L	SA1	03/06/97
	Vinyl Chloride	39175	8260	10	Not Detected		ug/L	SA1	03/06/97

Sample comments :

ZINC

End of Report

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REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6398

(File a separate Request Sheet for each sample point)

Georgia Dept. of Natural Resources

AB49518 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6398
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify): ___

Sample Description (check one)

Waste	___	Soil/Sediment	✓	Sludge	___
Ground Water	___	Surface Water	___	Drinking Water Well	___

Concentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) ___

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ___ ___ ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	___
Organophosphorous Pesticides	___
PCB	___
BETX	___
Total Petroleum Hydrocarbon	___

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	✓
Mercury	___
Metals, Special Request	___ give

4 OZ. JARS
8 OZ. JARS
16 OZ. JARS

Organics Special Request: ___

3. TCLP ORGANICS

Volatiles	___	Pesticides	___
Semi-Volatiles (Acid & Base/Neutral)	___	Herbicides	___

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)	___	Additional Metals For TCLP:	___
Mercury	___		

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB): [signature] Date: 2/19/97 Received By (EPD Lab): Robert Pric

Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA EPD-HSRA
205 BUTLER ST., SE
TWIN TOWERS, SUITE 1462
ATLANTA, GA, 30354

Sample Collector:	T HEARD	**Sample ID :**	**AB49518**
Date Received:	02/28/97	**Date Collected:**	02/26/97
Time Received:	09:22	**Time Collected:**	12:35
Reporting Date:	03/28/97	**DNR Lab Reference:**	HW63978
Sample Site:	TRAVIS FIELD ABND LDFIL HW6398		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HW SOLIDS***								
	Arsenic	01002	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Barium	01007	200.7/60	1	19		mg/kg	AAD	03/18/97
	Cadmium	01027	200.7/60	1	Not Detected		mg/kg	AAD	03/18/97
	Chromium	01034	200.7/60	2	5.4		mg/kg	AAD	03/18/97
	Copper	01042	200.7/60	2	2.8		mg/kg	AAD	03/18/97
	Lead	01051	200.7/60	5	9.0		mg/kg	AAD	03/18/97
	Nickel	01067	200.7/60	2	Not Detected		mg/kg	AAD	03/18/97
	Selenium	01147	200.7/60	5	Not Detected		mg/kg	AAD	03/18/97
	Silver	01077	200.7/60	3	Not Detected		mg/kg	AAD	03/18/97
	Zinc	01092	200.7/60	2	20		mg/kg	AAD	03/18/97
Organics	***EPA Method 8260 Soil***								
	1,1,1,2-Tetrachloroethane		8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,1-Trichloroethane	34509	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,2,2-Tetrachloroethane	34519	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1,2-Trichloroethane	34514	8260	5	Not Detected		ug/kg	SA1	03/06/97

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Laboratory Contacts:

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Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	1,1-Dichloroethane	34499	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dichloroethene	34504	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,1-Dichloropropene	77168	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,3-Trichlorobenzene	77613	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,3-Trichloropropane	78490	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,4-Trichlorobenzene	34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2,4-Trimethylbenzene	34554	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dibromo-3-chloropropan	38487	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dibromoethane	79749	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichlorobenzene	34539	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichloroethane	34534	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,2-Dichloropropane	34544	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3,5-Trimethylbenzene	77226	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3-Dichlorobenzene	34569	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,3-Dichloropropane	77173	8260	5	Not Detected		ug/kg	SA1	03/06/97
	1,4-Dichlorobenzene	34574	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2,2-Dichloropropane	77170	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Butanone	75078	8260	100	Not Detected		ug/kg	SA1	03/06/97
	2-Chloroethyl vinyl ether	34579	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Chlorotoluene	77225	8260	5	Not Detected		ug/kg	SA1	03/06/97
	2-Hexanone	75166	8260	50	Not Detected		ug/kg	SA1	03/06/97
	4-Chlorotoluene	77277	8260	5	Not Detected		ug/kg	SA1	03/06/97
	4-Methyl-2-Pentanone	75169	8260	50	Not Detected		ug/kg	SA1	03/06/97
	Acetone	75059	8260	100	Not Detected		ug/kg	SA1	03/06/97
	Benzene	34237	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromobenzene	78491	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromochloromethane	77297	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromodichloromethane	34330	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromofluorobenzene(Surrogate QC Std.)		8260	0	50.0		ug/kg	SA1	03/06/97
	Bromoform	34290	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Bromomethane	34416	8260	10	Not Detected		ug/kg	SA1	03/06/97
	Carbon Disulfide	78544	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Carbon Tetrachloride	34299	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chlorobenzene	34304	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Chloroethane	34314	8260	10	Not Detected		ug/kg	SA1	03/06/97
	Chloroform	34318	8260	5	Not Detected		ug/kg	SA1	03/06/97

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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Chloromethane	34421	8260	10	Not Detected		ug/kg	SA1	03/06/97
	,2-Dichloroethene	77093	8260	5	Not Detected		ug/kg	SA1	03/06/97
	cis-1,3-Dichloropropene	34702	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromochloromethane	34309	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dibromofluoromethane(Surrogate QC Std.)		8260	0	51.0		ug/kg	SA1	03/06/97
	Dibromomethane	78756	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Dichlorodifluoromethane	34334	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Ethylbenzene	34374	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Hexachlorobutadiene	39705	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Iodomethane	73121	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Isopropylbenzene	77223	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Methylene Chloride	34426	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Butylbenzene	77342	8260	5	Not Detected		ug/kg	SA1	03/06/97
	n-Propylbenzene	77224	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Naphthalene	34445	8260	5	Not Detected		ug/kg	SA1	03/06/97
	o-Xylene	78362	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p,m-Xylene	45510	8260	5	Not Detected		ug/kg	SA1	03/06/97
	p-Isopropyltoluene	77356	8260	5	Not Detected		ug/kg	SA1	03/06/97
	sec-Butylbenzene	77350	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Styrene	75192	8260	5	Not Detected		ug/kg	SA1	03/06/97
	tert-Butylbenzene	77353	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Tetrachloroethene	34478	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene	34483	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Toluene-d8(Surrogate QC Std.)		8260	0	51.5		ug/kg	SA1	03/06/97
	trans-1,2-Dichloroethene	34549	8260	5	Not Detected		ug/kg	SA1	03/06/97
	trans-1,3-Dichloropropene	34697	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichloroethene	34487	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Trichlorofluoromethane	34491	8260	5	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Acetate	78498	8260	50	Not Detected		ug/kg	SA1	03/06/97
	Vinyl Chloride	34495	8260	10	Not Detected		ug/kg	SA1	03/06/97
Organics	***PESTICIDES IN SEDIMENT/SOIL***								
	4,4'-DDD		8080	10	Not Detected		ug/kg	ATB	03/12/97
	4,4'-DDE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	4,4'-DDT		8080	10	Not Detected		ug/kg	ATB	03/12/97
	a-BHC		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	ALDRIN		8080	5.0	Not Detected		ug/kg	ATB	03/12/97

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b-BHC			8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	ORDANE		8080	25	Not Detected		ug/kg	ATB	03/12/97
	CHLORPYRIFOS (DURSBAN)		8080	25	Not Detected		ug/kg	ATB	03/12/97
d-BHC			8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	DIELDRIN		8080	10	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN I		8080	10	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN II		8080	15	Not Detected		ug/kg	ATB	03/12/97
	ENDOSULFAN SULFATE		8080	25	Not Detected		ug/kg	ATB	03/12/97
	ENDRIN		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	ENDRIN ALDEHYDE		8080	25	Not Detected		ug/kg	ATB	03/12/97
	HEPTACHLOR		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	HEPTACHLOR EPOXIDE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	HEXACHLOROBENZENE		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	LINDANE (g-BHC)		8080	5.0	Not Detected		ug/kg	ATB	03/12/97
	METHOXYCHLOR		8080	20	Not Detected		ug/kg	ATB	03/12/97
	MIREX		8080	20	Not Detected		ug/kg	ATB	03/12/97
	PCB-1016		8080	30	Not Detected		ug/kg	ATB	03/12/97
	PCB-1221		8080	30	Not Detected		ug/kg	ATB	03/12/97
	PCB-1232		8080	30	Not Detected		ug/kg	ATB	03/12/97
	PCB-1242		8080	30	Not Detected		ug/kg	ATB	03/12/97
	PCB-1248		8080	30	Not Detected		ug/kg	ATB	03/12/97
	PCB-1254		8080	30	Not Detected		ug/kg	ATB	03/12/97
	PCB-1260		8080	30	Not Detected		ug/kg	ATB	03/12/97
	PCB-1262		8080	30	Not Detected		ug/kg	ATB	03/12/97
	TOXAPHENE		8080	60	Not Detected		ug/kg	ATB	03/12/97
Organics Semivolatile Soil/Sed (8270)									
	1,2,4,5-Tetrachlorobenzene	79787	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2,4-Trichlorobenzene	34554	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Dichlorobenzene	34539	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,2-Diphenylhydrazine	34349	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,3-Dichlorobenzene	34569	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1,4-Dichlorobenzene	34574	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Chloronaphthalene		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	1-Naphthylamine	73143	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,3,4,6-Tetrachlorophenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4,5-Trichlorophenol	78401	8270a	660	Not Detected		ug/kg	LSN	03/25/97

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LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	2,4,6-Tribromophenol(Surrogate QC Std.)		8270a	-0-	56.6		ug/kg	LSN	03/25/97
	Trichlorophenol	34624	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dichlorophenol	34604	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dimethylphenol	34609	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrophenol	34619	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2,4-Dinitrotoluene	34614	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dichlorophenol	73122	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2,6-Dinitrotoluene	34629	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chloronaphthalene	34584	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Chlorophenol	34589	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Fluorobiphenyl(Surrogate QC Std.)		8270a	-0-	62.6		ug/kg	LSN	03/25/97
	2-Fluorophenol(Surrogate QC Std.)		8270a	-0-	43.0		ug/kg	LSN	03/25/97
	2-Methylnaphthalene	78868	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Naphthylamine	73124	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Nitroaniline	78299	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	2-Nitrophenol	34594	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	2-Picoline	73310	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3,3'-Dichlorobenzidine	34634	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	3-Methylcholanthrene	73156	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	3-Nitroaniline	78869	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4,6-Dinitro-2-methylphenol	34660	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	4-Aminobiphenyl	73125	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Bromophenyl-phenylether	34639	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Chloro-3-methylphenol	34455	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chloroaniline	78867	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	4-Chlorophenyl-phenylether	34644	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Methylphenol		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitroaniline	78870	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	4-Nitrophenol	34649	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	7,12-Dimethylbenz(a)anthracene	73115	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	aa-dimethyl-Phenethylamine	73136	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthene	34208	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acenaphthylene	34203	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Acetophenone	73272	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Aldrin	39333	8270a	660	Not Detected		ug/kg	LSN	03/25/97

PARAMETER CODE: EPA
ug/l : micrograms/liter
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Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Alpha-BHC	39076	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	ıe	73185	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Anthracene	34223	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzidine	39121	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzoic acid	75315	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]anthracene	34529	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[a]pyrene	34250	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[b]fluoranthene	34233	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[g,h,i]perylene	34524	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzo[k]fluoranthene	34245	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Benzyl alcohol	75212	8270a	1300	Not Detected		ug/kg	LSN	03/25/97
	Beta-BHC	34257	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethoxy)methane	34281	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroethyl)ether	34276	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Chloroisopropyl)ether	34286	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	bis(2-Ethylhexyl)phthalate	39102	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Butylbenzylphthalate	34295	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Chyrsene	34323	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Delta-BHC	34262	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-butylphthalate	39112	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Di-n-octylphthalate	34599	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz(a,j)acridine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenzofuran	75647	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dibenz[a,h]anthracene	34559	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dieldrin	39383	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diethylphthalate	34339	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Dimethylphthalate	34344	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Diphenylamine		8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 1	34364	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan 2	34359	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Endosulfan Sulfate	34354	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	Endrin	39393	8270a	1320	Not Detected		ug/kg	LSN	03/25/97
	Endrin Aldehyde	34369	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Ethylmethanesulfonate	73118	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluoranthene	34379	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Fluorene	34384	8270a	660	Not Detected		ug/kg	LSN	03/25/97

PARAMETER CODE: EPA
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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
	Gamma-BHC	39343	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	tachlor	39413	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Heptachlor Epoxide	39423	8270a	1650	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobenzene	39701	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorobutadiene	38705	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachlorocyclopentadiene	34389	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Hexachloroethane	34399	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Indeno[1,2,3-cd]pyrene	34406	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Isophorone	34411	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Methylmethanesulfonate	73119	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-butylamine	73159	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitroso-di-n-propylamine	34428	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodimethylamine	34441	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosodiphenylamine	34436	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	n-Nitrosopiperidine	73129	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Naphthalene	34445	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene	34450	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Nitrobenzene-d5(Surrogate QC Std.)		8270a	-0-	55.6		ug/kg	LSN	03/25/97
	p,p'-DDD	39311	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDE	39321	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p,p'-DDT	39301	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	p-Dimethylaminoazobenzene	73116	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorobenzene	79790	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachloronitrobenzene	81808	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pentachlorophenol	39061	8270a	3300	Not Detected		ug/kg	LSN	03/25/97
	Phenacetin	73117	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenanthrene	34464	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol	34695	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Phenol-d5(Surrogate QC Std.)		8270a	-0-	48.4		ug/kg	LSN	03/25/97
	Pronamide	73031	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pyrene	34472	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Pyridine	73312	8270a	660	Not Detected		ug/kg	LSN	03/25/97
	Terphenyl-d14(Surrogate QC Std.)		8270a	-0-	70.7		ug/kg	LSN	03/25/97

PARAMETER CODE: EPA
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Laboratory Contacts:

Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

Sample comments :

End of Report

PARAMETER CODE: EPA
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Laboratory Contacts:			
	Inorganics:	Pat Sammons	Ext. 5239
	Metals :	Harjinder Ghuman	Ext. 5223
	Organics:	Danny Reed	Ext. 5252
	GC Mass Spec:	Steve Bryan	Ext. 5260

Appendix J

REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Travis Field - Abandoned Landfills GHL

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-9

Georgia Dept. of Natural Resources

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6396

(File a separate Request Sheet for each sample point)

AB49515 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ABHOC TRAVIS FIELD ABND LDFIL HW6396
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify)

Sample Description (check one)

Waste		Soil/Sediment		Sludge	
Ground Water		Surface Water	✓	Drinking Water Well	

Conncentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) ___

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	
Volatiles	
Pesticides	
Herbicides	
Organophosphorous Pesticides	
PCB	
BETX	
Total Petroleum Hydrocarbon	

Organics Special Request: ___

OIL AND GREASE
SULFIDES/PHENOLS
VOC VIALS
AMBER BOTTLES
METAL BOTTLES
FCOL BOTTLES
NUTRIENTS/SULFATES
HAF GALLONS/CYANIDE

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ✓

Mercury ___

Metals, Special Request: zinc

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ___ Additional Metals For TCLP: ___

Mercury ___

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB): Mark Smith Date: 2/19/97 Received By (EPD Lab): Robert Price

Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA EPD-HSRA
205 BUTLER ST., SE
TWIN TOWERS, SUITE 1462
ATLANTA, GA, 30354

Sample Collector:	T HEARD	**Sample ID :**	AB49515
Date Received:	02/28/97	**Date Collected:**	02/27/97
Time Received:	09:22	**Time Collected:**	10:50
Reporting Date:	04/17/97	**DNR Lab Reference:**	HW6396
Sample Site:	TRAVIS FIELD ABND LDFIL HW6396		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HAZARDOUS WASTE***								
	Arsenic	01002	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Barium	01007	200.7/60	10	15		ug/l	AAD	03/05/97
	Cadmium	01027	200.7/60	5	Not Detected		ug/l	AAD	03/05/97
	Chromium	01034	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Lead	01051	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Nickel	01067	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Selenium	01147	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Silver	01077	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Zinc	01092	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
Metals	***Lead 01051***								
	Lead	01051	239.2	1.3	Not Detected		ug/l	FH	04/15/97

Sample comments :

ZINC

End of Report

ARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
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Laboratory Contacts:			
	Inorganics:	Pat Sammons	Ext. 5239
	Metals :	Harjinder Ghuman	Ext. 5223
	Organics:	Danny Reed	Ext. 5252
	GC Mass Spec:	Steve Bryan	Ext. 5260

REQUEST FOR LABORATORY ANALYSIS

GHL

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6395

(File a separate Request Sheet for each sample point)

Georgia Dept. of Natural Resources

AB49513 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LNDFIL HW6395
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (spec

Sample Description (check one)

Waste		Soil/Sediment		Sludge	
Ground Water		Surface Water	✓	Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) ___

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)									
Volatiles									
Pesticides									
Herbicides									
Organophosphorous Pesticides									
PCB									
BETX									
Total Petroleum Hydrocarbon									
	OIL AND GREASE	SULFIDES/PHENOLS	VOC VIALS	AMBER BOTTLES	METAL BOTTLES	FCOL BOTTLES	NUTRIENTS/SULFATES	HALF GALLONS/CYANIDE	Mercury

Organics Special Request: ___

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ✓

Metals Special Request: ___ zinc

3. TCLP ORGANICS

Volatiles ___ Pesticides ___

Semi-Volatiles (Acid & Base/Neutral) ___ Herbicides ___

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ___ Additional Metals For TCLP: ___

Mercury ___

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB): [signature] Date: 2/19/97 Received By (EPD Lab): Robert Price

Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA EPD-HSRA
205 BUTLER ST., SE
TWIN TOWERS, SUITE 1462
ATLANTA, GA, 30354

Sample Collector:	T HEARD	**Sample ID :**	**AB49513**
Date Received:	02/28/97	**Date Collected:**	02/27/97
Time Received:	09:22	**Time Collected:**	10:45
Reporting Date:	04/17/97	**DNR Lab Reference:**	HW6395
Sample Site:	TRAVIS FIELD ABND LDFIL HW6395		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HAZARDOUS WASTE***								
	Arsenic	01002	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Barium	01007	200.7/60	10	19		ug/l	AAD	03/05/97
	Cadmium	01027	200.7/60	5	Not Detected		ug/l	AAD	03/05/97
	Chromium	01034	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Lead	01051	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Nickel	01067	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Selenium	01147	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Silver	01077	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Zinc	01092	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
Metals	***Lead 01051***								
	Lead	01051	239.2	1.3	1.3		ug/l	FH	04/15/97

Sample comments :
ZINC

End of Report

ARAMETER CODE: EPA
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Trace: Below quantitation limits
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Laboratory Contacts:		
Inorganics:	Pat Sammons	Ext. 5239
Metals :	Harjinder Ghuman	Ext. 5223
Organics:	Danny Reed	Ext. 5252
GC Mass Spec:	Steve Bryan	Ext. 5260

REQUEST FOR LABORATORY ANALYSIS

GHL

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Georgia Dept. of Natural Resources

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6392

(File a separate Request Sheet for each sample point)

AB49508 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6392
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify): _

Sample Description (check one)

Waste	___	Soil/Sediment	___	Sludge	___
Ground Water	___	Surface Water	✓	Drinking Water Well	___

Conncentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) ___

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) ___

Special Precautions: ___

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

	OIL AND GREASE	SULFIDES/PHENOLS	VOC VIALS	AMBER BOTTLES	METAL BOTTLES	FCOL BOTTLES	NUTRIENTS/SULFATES	HALF GALLONS/CYANIDE
Semi-Volatiles (Acid & Base/Neutral)								
Volatiles								
Pesticides								
Herbicides								
Organophosphorous Pesticides								
PCB								
BETX								
Total Petroleum Hydrocarbon								

Organics Special Request: ___

2. TOTAL METALS

ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ✓

Mercury ___

Metals Special Request: ___ gmc

3. TCLP ORGANICS

Volatiles ___ Pesticides ___

Semi-Volatiles (Acid & Base/Neutral) ___ Herbicides ___

Additional Specific Organics For TCLP: ___

4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ___ Additional Metals For TCLP: ___

Mercury ___

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): ___

Reviewed By (HWMB): [signature] Date: 2/19/97 Received By (EPD Lab): Robert Price

Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

Hazardous Waste Management Program

LABORATORY REPORT

TO: *TRACY HEARD*
GA. EPD-HSRA
205 BUTLER ST.SE, TWIN TOWERS
STE 1462
ATLANTA, GA 30354

Sample Collector:	T HEARD	**Sample ID :**	**AB49508**
Date Received:	02/28/97	**Date Collected:**	02/26/97
Time Received:	08:55	**Time Collected:**	16:30
Reporting Date:	04/17/97	**DNR Lab Reference:**	HW6392
Sample Site:	TRAVIS FIELD ABND LDFIL HW6392		

LAB	ANALYTE	PARAMETER CODE	EPA METHOD	MDL	RESULT	NOTE	UNITS	ANALYST	ANALYSIS DATE
Metals	***ICP METALS FOR HAZARDOUS WASTE***								
	Arsenic	01002	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Barium	01007	200.7/60	10	25		ug/l	AAD	03/05/97
	Cadmium	01027	200.7/60	5	Not Detected		ug/l	AAD	03/05/97
	Chromium	01034	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Lead	01051	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Nickel	01067	200.7/60	20	Not Detected		ug/l	AAD	03/05/97
	Selenium	01147	200.7/60	50	Not Detected		ug/l	AAD	03/05/97
	Silver	01077	200.7/60	30	Not Detected		ug/l	AAD	03/05/97
	Zinc	01092	200.7/60	20	41		ug/l	AAD	03/05/97
Metals	***Lead 01051***								
	Lead	01051	239.2	1.3	Not Detected		ug/l	FH	04/15/97

Sample comments :
ZINC

End of Report

ARAMETER CODE: EPA
ug/l : micrograms/liter
mg/l : milligrams/liter
MDL: method detection limit
TIE: Tentatively identified/Estmated value
Trace: Below quantitation limits
USPEC: Greater than specification limits
LSPEC: Lower than specification limits

Laboratory Contacts:			
	Inorganics:	Pat Sammons	Ext. 5239
	Metals :	Harjinder Ghuman	Ext. 5223
	Organics:	Danny Reed	Ext. 5252
	GC Mass Spec:	Steve Bryan	Ext. 5260

REQUEST FOR LABORATORY ANALYSIS

GHL

Facility Name/Location: Travis Field - Abandoned Landfills

Sample Collected By/Phone: Tracy L. Heard / (404) 657-8600

Collection Date: 2-26-97 + 2-27-97

Date Submitted To Lab: 2-28-97

HWMB LOG NUMBER: 6390

(File a separate Request Sheet for each sample point)

Georgia Dept. of Natural Resources

AB49503 Due date: 03/26/97
Date submitted: 02/28/97
sourceID: ADHOC TRAVIS FIELD ABND LDFIL HW6390
Sample Collector: T HEARD

Analysis Needed By: Routine ✓ Other (specify): _

Sample Description (check one)

Waste	___	Soil/Sediment	___	Sludge	___
Ground Water	___	Surface Water	✓	Drinking Water Well	___

Concentration of Organics Requested (estimated): High ___ Low ✓ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source And Known Properties (e.g., pH, concentration):
Samples will be collected from 3 former landfills (soil, sediment, and surface water. Data will be evaluated for an EPA report (Site Inspection Report)

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result.)

1. TOTAL ORGANICS

- Semi-Volatiles (Acid & Base/Neutral) ___
- Volatiles ___
- Pesticides ___
- Herbicides ___
- Organophosphorous Pesticides ___
- PCB ___
- BETX ___
- Total Petroleum Hydrocarbon ___
- Organics Special Request: _____

2. TOTAL METALS

- ICP Metals Scan (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ✓
- Mercury ___
- Metals, Special Request: zinc

HALF GALLONS/CYANIDE
NUTRIENTS/SULFATES
FCOL BOTTLES
METAL BOTTLES
AMBER BOTTLES
VOC VIALS
SULFIDES/PHENOLS
OIL AND GREASE

3. TCLP ORGANICS

- Volatiles ___
- Semi-Volatiles (Acid & Base/Neutral) ___
- Pesticides ___
- Herbicides ___
- Additional Specific Organics For TCLP: _____

4. TCLP METALS ANALYSIS

- TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se) ___
- Mercury ___
- Additional Metals For TCLP: _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): _____

Reviewed By (HWMB): Mark Smith Date: 2/19/97 Received By (EPD Lab): Robert Price

Approved By (HWMB): [signature] Date: 2/19/97 Date (EPD Lab): 2/28/97

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LABORATORY REPORT

TO: *TRACY HEARD*
GA. EPD-HSRA
205 BUTLER ST.SE, TWIN TOWERS
STE 1462
ATLANTA, GA 30354

Sample Collector:	T HEARD	**Sample ID :**	**AB49503**
Date Received:	02/28/97	**Date Collected:**	02/26/97
Time Received:	08:55	**Time Collected:**	15:55
Reporting Date:	04/17/97	**DNR Lab Reference:**	HW6390
Sample Site:	TRAVIS FIELD ABND LDFIL HW6390		

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GC Mass Spec:	Steve Bryan	Ext. 5260

Appendix K

U.S. EPA REGION IV

SDMS

Unscannable Material Target Sheet

DocID: 10230243 Site ID: GAD984307918

Site Name: Zy-Trans

Nature of Material:

Map:	☒	Computer Disks:	☐
Photos:	☐	CD-ROM:	☐
Blueprints:	☐	Oversized Report:	☐
Slides:	☐	Log Book:	☐

Other (describe): Radius Map

Amount of material:

* Please contact the appropriate Records Center to view the material *