Mario

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

#27024 MGV 11/4

OCT 04 1993

Ms. Jennifer Kaduck
Georgia Environmental Protection Division
Department of Natural Resources
205 Butler Street
Suite 1154 - East Tower
Atlanta, Georgia 30334

Janice
Is this the same site as Fairburn Road Chattahoochee GAD984245146? If it is make sure it gets to the file. MV
If not find out what it is.

RE: Fairburn Road Landfill, Douglasville, Georgia

Dear: Ms. Kaduck

The U.S. Environmental Protection Agency's Emergency Response and Removal Branch (ERRB) reviewed the available information for the above referenced site to determine its eligibility for a potential removal action under the National Contingency Plan (NCP). The site information was evaluated using criteria from Section 300.415 of the NCP and current ERRB program guidance.

Based upon ERRB's review, the above site does not meet the criteria for removal eligibility. This determination does not preclude any other investigation activities or response actions by other parties which may still be appropriate for this site. Should site conditions change or additional information become available, ERRB will re-evaluate this site as necessary.

Should you have any questions concerning ERRB's determination, please contact Mr. Shane Hitchcock, Chief of Removal Operations Section, at (404) 347-3931 extension 6122.

Sincerely,

Myron
Emerg

CC: (b) (6) - Personal Privacy [redacted]

RAT

NFA - LOW

GA FAIRBURN RD LANDFILL
DOUGLASVILLE.

Printed on Recycled Pa

State-lead

Fairburn Rd Landfill
Douglass County

Landowner - Bartlett Hawsley

Elizabeth Teal knows additional information
(Pig farmer)

Douglas County Board of Health

Environmental Health Unit
6704 E. Church Street
Douglasville, Georgia 30134

DOUGLAS W. DANIELL
Env. Health Spec. IV
Supervisor

(404) 920-7317

(Bart Reedy knows this person)
Female
County Code enforcement agent was witness
to State of Georgia sampling.

State Sampler unknown.

PRELIMINARY ASSESSMENT

FAIRBURN ROAD DUMP

FAIRBURN ROAD
DOUGLASVILLE, DOUGLAS COUNTY, GEORGIA
EPA ID NUMBER GAD984295196

PREPARED FOR US EPA REGION IV

BY

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
HAZARDOUS WASTE MANAGEMENT BRANCH

March 31, 1993

Prepared by:

Billy Hendricks
Environmental Specialist
Hazardous Waste Management Branch

Preliminary Assessment

Fairburn Road Dump
Fairburn Road
Douglasville, Douglas County, Georgia

1.0 INTRODUCTION

Under authority of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the US EPA Region IV Waste Management Division has authorized the Georgia Department of Natural Resources, Environmental Protection Division (EPD) to conduct a Preliminary Assessment (PA) at the Fairburn Road Dump site in Douglasville, Douglas County, Georgia. The purpose of the investigation was to collect information concerning conditions at the Fairburn Road Dump site 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 scope of the investigation included review of available file information, a comprehensive target search, a review of on-site and off-site reconnaissance field notes, and ranking of this site for hazard.

2.0 SITE DESCRIPTION, OPERATIONAL HISTORY, AND WASTE CHARACTERISTICS

2.1 Location

The Fairburn Road Dump site is located approximately 8.5 miles east of Douglasville on Fairburn Road, Georgia Highway 166, as shown on Figure 1. The site is bordered to the south by Fairburn Road, to the east by the Chattahoochee River, to the north by mixed residential-commercial property and the Douglasville/ Douglas County Water and Sewer Authority Water Treatment Plant, and to the west by King Road.

2.2 Site Description

The Fairburn Road Dump site occupies approximately 79 acres on the west bank of the Chattahoochee River. A substantial portion of the property is comprised of flood plain along a meander of the river. Analysis of aerial photographs of the site, performed by the U. S. EPA's Environmental Monitoring Systems Laboratory, EMSL, discloses a collection of structures and other improvements, as well as a rough chronology of possible disposal activities. Black and white, and color infrared, photographs covering the period from 1968 to 1990 were catalogued and interpreted by the Environmental Photographic Interpretation Center (EPIC), a branch of EMSL.

Inspection of the site was performed February 24, 1993 following searches of Douglas County title and tax records. The site was originally intended as a subdivision, Riverside Gardens. The parcel comprises 95 separate lots, ranging in size from ¼

acre to over 2½ acres. Of these 95 lots, approximately 75 are included in the study area. More than fifty owners are currently recorded for these lots, some of which have been recombined to form larger lots.

The site is moderately developed, with numerous permanent improvements, including houses, warehouse/office structures, open storage areas, and trailers in abundance. The majority of the site remains wooded. In addition to the dozens of residences on the site, major tenants include:

Poor Folks Auto Salvage, an auto wrecking and parts company
The Diesel Doctor, a heavy truck repair company
Oxford's Grocery, a convenience store
Thames Antiques, an antique dealer
Douglasville Sheet Metal, a sheet metal and HVAC sales and service company
Anders Welding and Sand, a machine shop and dredging company
Garrett Sand and Gravel, a dredging company
D & M Auto, an automobile repair shop

Of the approximately 2400 feet of riverbank occupied by the property, three areas comprising about 800 feet have been cleared. Some of this cleared area appears to have been used in dredging operations for sand and gravel as far back as the first set of aerial photographs in 1968. As recently as 1990, new stretches of the bank were cleared for dredging access.

2.3 Operational History and Waste Characteristics

The Fairburn Road Dump Site was "discovered" June 21, 1991 based on a complaint filed with the U. S. EPA Region IV. According to EPA documents, Ms. Elizabeth Teal of Douglasville claims to have witnessed dumping at the site by Mr. Bartlett Hulsey. This claim is substantiated by similar claims by other county residents including Ms. Pamela Blockey O'Brien. They indicated that at least some of the waste originated from Young Refinery in Douglasville. As a result of these events, the site was issued EPA Identification Number GAD984295196.

Based on file review and the site visit, the site has not been operated as a disposal facility. That portion of the site used as a junkyard is the only currently visible source of contaminants: possible substances of concern include used motor oil, antifreeze, fuel, and bearing metals. Evidence of previous waste disposal at the site is limited to reports filed with USEPA Region IV by residents of the area. However, it must be noted that conversations with the original complainant indicate that the Fairburn Road Dump Site is not the location she intended in her complaint.

Routine operations of any land-disturbing activities are limited to dredging the Chattahoochee for sand and gravel. There are currently two active and one inactive dredging operations. Garrett Sand and Gravel operates the northernmost site under Georgia Land Use Permit Number 405-87. Anders Welding and Sand operates the

southernmost site; no land use permit is known to exist. The central site is located on property owned by Farris Richardson and shows some evidence of current dredge operations. At the time of the site visit, the Richardson dredge operation had apparently been at least temporarily closed down; the dredge barge, comprised of eight 1000 gallon steel tanks connected by steel beams, was on stands on shore.

3.0 GROUNDWATER PATHWAY

3.1 Hydrogeologic Setting

The Fairburn Road Dump Site is located along the Brevard fault between the Northern and Southern Piedmont Physiographic Provinces adjacent to the Chattahoochee River. Soils at the site are of alluvial fill composed almost exclusively of sand in the flood plain, and clay silt elsewhere. The site is located atop the Brevard fault, a zone of substantial cataclasis. Thus, subsoil and underlying rock are of greatly heterogeneous size and composition. Wells into bedrock in the area have the potential to produce large amounts of water from the voids formed by the massive fracture zone. Due to the site's proximity to the river and the porous nature of the soil, most contaminants released or disposed in the flood plain at the site would migrate directly to the river.

The soils at the most likely source of contaminants, Poor Folks Auto Salvage, are clay with fairly low permeability. Approximately ten per cent of the surface area of that operation has been paved, resulting in even lower permeability. It is unlikely that a major release to groundwater has occurred; the potential for a release does exist.

3.2 Groundwater Targets

With no record of any soil borings on site, or in the immediate area, the exact geology underlying the site is unknown. The geology of the region that the site is in suggests that the subsurface, and consequently, infiltration rate, are variable; this is supported by physical inspection during the site visit. CENTRACTS data indicate some use of private wells for drinking water on the site: three wells are shown within 0.25 mile, and an additional eight wells between 0.25 and 0.5 mile from the center of the site. However, as the subsurface at the site is predominantly clay silt and gravel, migration is in places rapid and direct to the river. No samples are known to have been taken of the water provided by any of the wells.

3.3 Groundwater Conclusions

All of the residents of the site have county water available. The Douglasville/Douglas County Water and Sewer Authority shows active records of service for all of the lots along Riverside Drive. As no gardens were observed during the site visit, it is assumed that well water use at the site is limited to irrigation of lawns.

4.0 SURFACE WATER PATHWAY

4.1 Hydrologic Setting

The Fairburn Road Dump site is located in the Piedmont, in an area of substantial relief. The property slopes in an east-southeasterly direction to flood plain Portions of the site are in annual- to ten-year flood plain. However, the primary source for potential contamination of surface water is located above the 500-year flood plain.

4.2 Surface Water Targets

The site borders the Chattahoochee River, the primary surface water supply for much of west central and southwest Georgia, east central and southeast Alabama, and the panhandle of Florida. The closest water intakes are operated by the Douglasville/ Douglas County Water and Sewer Authority, eight and nine river miles downstream. These water intakes draw from Dog River and Bear Creek, tributary streams to the Chattahoochee. These intakes service some 22,000 accounts (approx. 83,600 persons). No other surface water is known on the site.

4.3 Surface Water Conclusions

In spite of the close proximity of the Chattahoochee River, no primary targets were identified for the surface water pathway. The Chattahoochee is a fishery in the 15-mile target area.

5.0 SOIL EXPOSURE AND AIR PATHWAY

5.1 Physical Conditions

The Fairburn Road Dump site is located in a rural/suburban area between Douglasville and Fairburn. Land use varies widely on and surrounding the site, and includes mining, commercial, industrial, retail, and residential interests. Access is unrestricted to the majority of the site because of its heterogeneous nature. That portion of the site most likely to contribute contaminants is Poor Folks Auto Salvage, an operating auto wrecking yard. Access to the junkyard is controlled by a chain link fence with a locked gate.

5.2 Soil and Air Targets

The two areas of concern when evaluating the soil exposure pathway at the Fairburn Road Dump Site are the exposure of residents and trespassers to contaminated soil, and the contamination of off-site soil by surface run-off from the site. There has been no testing of any soil from the site. The operation of Poor Folks Auto Salvage is the only visible source of contaminants. It employs approximately six people. No discolored runoff from the site was noted.

Three of the six adjacent lots contain residences; the other three are vacant. There are no schools or daycare facilities within 200 feet of the site.

No protected animals include Douglas County in their habitats. Protected plants whose range includes Douglas County include the endangered Amphianthus pusillus and the threatened Cypripedum calceolus *var. pubescens* and Schisandra glabra. None of these species were noted during the site inspection. Significantly, Amphianthus' range is restricted to depression pools in granite outcrops, and no granite was seen on the site.

5.3 Soil Exposure and Air Pathway Conclusions

The soil exposure pathway appears to pose a threat only to workers at the site of the junkyard; the area is fenced and protected by an alarm system. A release to air is not suspected due to the relatively immobile nature of the potential contaminants.

6.0 SUMMARY AND CONCLUSIONS

The Fairburn Road Dump Site was discovered through EPA's complaint system. This site is poorly characterized as to whether any materials were disposed, their location and amounts, and any potentially responsible parties to any disposal. The site is divided among many owners who have a variety of uses for their property. Some may be at exposure risk through contact with contaminated soil. No release to groundwater, surface water or air is suspected.

REFERENCES

1. Site Analysis: Fairburn Road Dump, Douglas County, Georgia, Environmental Photographic Interpretation Center, Environmental Monitoring Systems Laboratory, U. S. EPA. November 1991.

2. Billy Hendricks. Site reconnaissance of Fairburn Road Dump Site, conducted on 2/24/93, field notes.

3. Douglas County Tax Digest, Kimbel Cason, Tax Appraiser. Reviewed 2/24/93.

4. Keary Lord, Douglasville-Douglas County Water and Sewer Authority. Telephone conversation 3/1/93.

5. Lewis Tinley and Mike Almasi, EPD Land Protection Compliance Program. Telephone conversation, 2/26/93.

6. CENTRACTS report for Fairburn Road Dump Site, Douglas County, Georgia, Bob Frost, Frost Associates, 2/12/93.

7. Elizabeth Teal, telephone conversation, 3/16/93.

8. Flood Insurance Rate Map, Federal Emergency Management Agency, March 15, 1984, Community-Panel Number 130306 0035 B, Douglas County, Georgia.

9. National Wetlands Inventory, U. S. Department of the Interior, 1990, Campbellton, Georgia.

10. United States Geological Survey, 7.5 minute topographic map series, Austell, Mableton, Campbellton, and Ben Hill, Georgia (1954, photorevised 1982).

11. Geology of the Greater Atlanta Region, K. McConnell and C. Abrams, Georgia Department of Natural Resources Bulletin 96, 1984.

12. Georgia's Protected Wildlife, County cross-reference, Georgia Department of Natural Resources, Game and Fish Division.

13. Georgia's Protected Plants, Georgia Department of Natural Resources, Game and Fish Division.

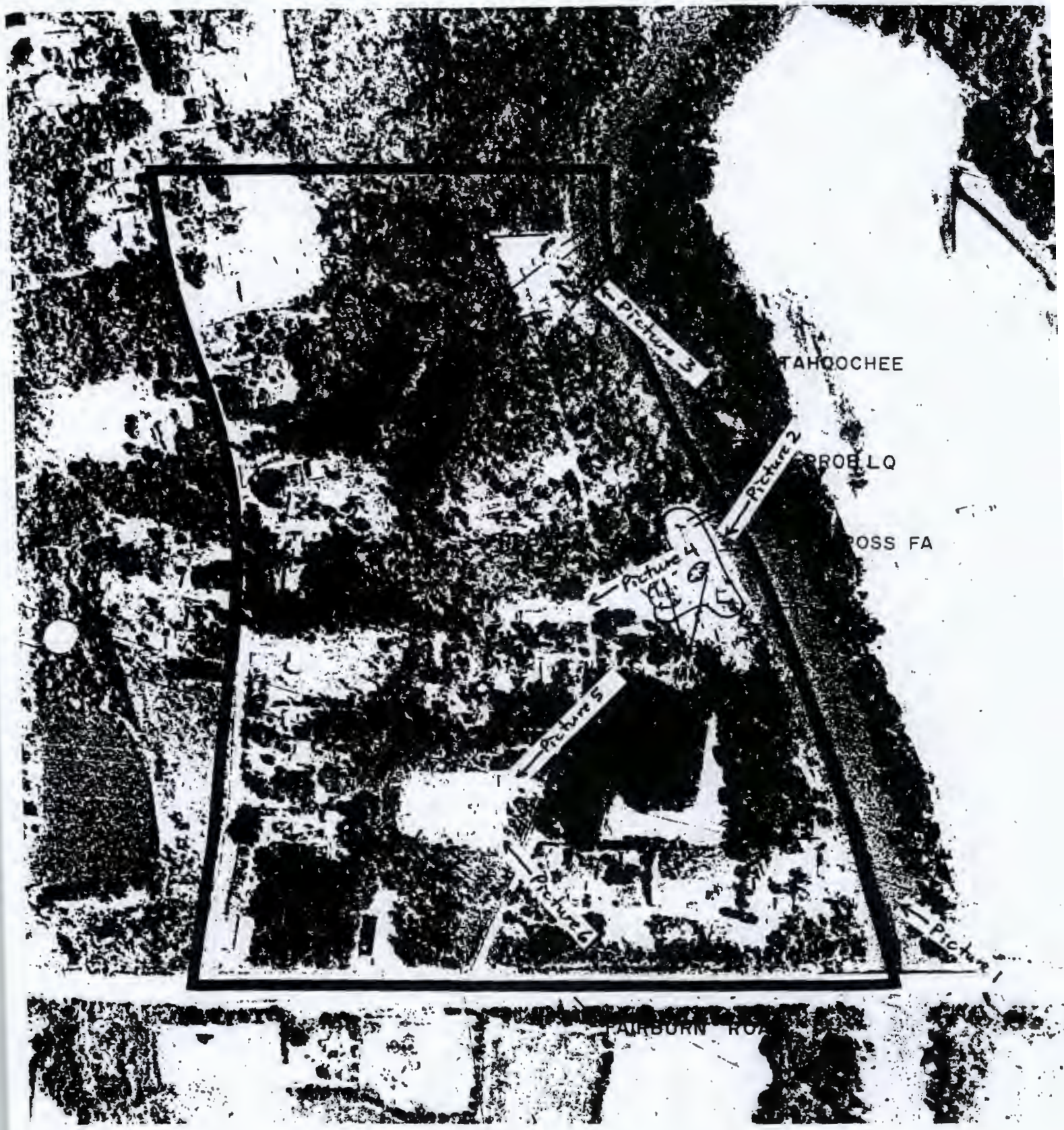
UNSCANNABLE

MEDIA

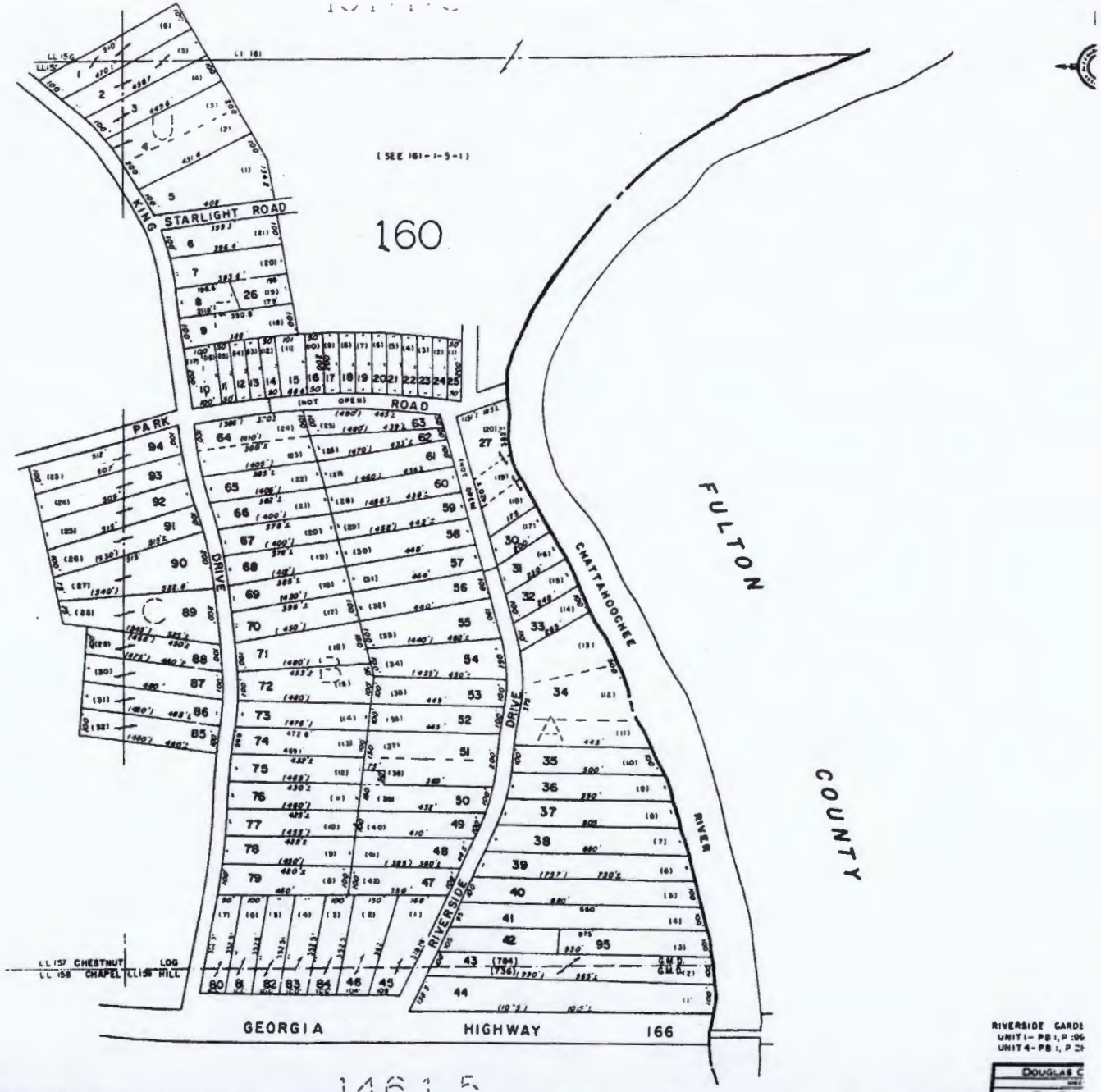
(PHOTOGRAPHS)

OVERSIZED

DOCUMENT



IRE 6
RB RN ROAD DUMP APRIL 8, 1990 APPROX. SCALE 1:4,30



LEGEND:

NOTE:

RIVERSIDE GARDE
UNIT 1- PB 1, P 96
UNIT 4- PB 1, P 2

DOUGLAS C

160

2/24/93 TAX INQUIRY 11.14.03

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	GARRETT, JEAN H.	89	G013261		0160015 00027
02	GARRETT, JEAN H.	90	G013261	O	0160015 00027
03	GARRETT, JEAN H.	91	G013261	O	0160015 00027
04	GARRETT, JEAN H.	92	G013261	O	0160015 00027
05	GARRETT, JEAN H.	* 93	G013261	O	0160015 00027
06	GARRETT, JEAN H.	89	G013263		0160015 00028
07	GARRETT. JEAN H.	89	G013264	O	0160015 00029

	CLARK, ETHEL MARTIN GIBSON &	90	C100200	0	0160015	00030
	CLARK, ETHEL MARTIN GIBSON &	91	C100200	0	0160015	00030
11	CLARK, ETHEL MARTIN GIBSON &	92	C100200	0	0160015	00030
12	CLARK, ETHEL MARTIN GIBSON &	* 93	C100200	0	0160015	00030
13	FOSS, JOHN MARVIN	89	F032050	0	0160015	00031
14	FOSS, JOHN MARVIN	90	F032050	0	0160015	00031
15	FOSS, JOHN MARVIN	91	F032050	0	0160015	00031

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03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.14.22

Key the Line Number for Detail Record zz

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01	FOSS, JOHN MARVIN	* 92	F032050	0	0160015	00031
02	FOSS, JOHN MARVIN	* 93	F032050	0	0160015	00031
03	GARRETT, JEAN H.	89	G013265	0	0160015	00032
04	GARRETT, JEAN H.	90	G013265	0	0160015	00032
05	GARRETT, JEAN H.	91	G013265	0	0160015	00032
06	GARRETT, JEAN H.	92	G013265	0	0160015	00032
07	GARRETT, JEAN H.	* 93	G013265	0	0160015	00032
08	MCHAN, IRVIN LYNN	89	M153210	1	0160015	00033
09	MCHAN, IRVIN LYNN	90	M153210	1	0160015	00033
10	MCHAN, IRVIN LYNN	91	M153210	1	0160015	00033
11	MCHAN, IRVIN LYNN	92	M153210	1	0160015	00033
12	MCHAN, IRVIN LYNN	* 93	M153210	1	0160015	00033
13	RICHARDSON, FARRIS	89	R044295		0160015	00034
14	RICHARDSON, FARRIS	90	R044295	0	0160015	00034
15	RICHARDSON, FARRIS	91	R044295	0	0160015	00034

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03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.14.38

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel	
01	RICHARDSON, FARRIS	* 92	R044295	0	0160015	00034
02	RICHARDSON, FARRIS	* 93	R044295	0	0160015	00034
03	WHITAKER, HARRY R.	89	W071200	1	0160015	00035
04	WHITAKER, HARRY R.	90	W071200	1	0160015	00035
05	WHITAKER, HARRY R.	* 91	/935450	0	0160015	00035
06	WHITAKER, HARRY R.	91	W071200	1	0160015	00035
07	WHITAKER, HARRY R.	* 92	/935450	0	0160015	00035
08	WHITAKER, HARRY R.	92	W071200	1	0160015	00035
09	WHITAKER, HARRY R.	* 93	/935450	0	0160015	00035
10	WHITAKER, HARRY R.	* 93	W071200	1	0160015	00035
11	POWELL, BRUCE A. & THOMAS G.	89	P093645	0	0160015	00036
12	POWELL, BRUCE A.	90	P093645	0	0160015	00036
13	POWELL, BRUCE A.	91	P093645	0	0160015	00036
14	POWELL, BRUCE A.	* 92	P093645	0	0160015	00036
15	WHITAKER, HARRY R.	* 93	W071201	0	0160015	00036

Cmd 1 - Return to Menu
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03-49 SA MW KS IM II S1 MW1

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	POWELL, BRUCE A. & THOMAS G.	89	P093650	0	0160015 00037
02	POWELL, BRUCE A.	90	P093650	0	0160015 00037
03	POWELL, BRUCE A.	91	P093650	0	0160015 00037
04	POWELL, BRUCE A. & THOMAS G.	89	P093655	0	0160015 00038
05	POWELL, BRUCE A.	90	P093655	0	0160015 00038
06	POWELL, BRUCE A.	91	P093655	0	0160015 00038
07	POWELL, BRUCE A. & THOMAS G.	89	P093660	0	0160015 00039
08	POWELL, BRUCE A.	90	P093660	0	0160015 00039
09	POWELL, BRUCE A.	91	P093660	0	0160015 00039
10	BISHOP, W. T.	89	B088400	3	0160015 00040
11	BISHOP, VIRGINIA BLANCH	90	B088400	4	0160015 00040
12	BISHOP, VIRGINIA BLANCH	91	B088400	4	0160015 00040
13	BISHOP, VIRGINIA BLANCH	92	B088400	4	0160015 00040
14	BISHOP, VIRGINIA BLANCH	* 93	B088400	4	0160015 00040
15	GALLOWAY, MARY ELLEN	89	G005400	1	0160015 00041

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03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.15.17

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	GALLOWAY, MARY ELLEN	90	G005400	1	0160015 00041
02	GALLOWAY, MARY ELLEN	91	G005400	1	0160015 00041
03	GALLOWAY, MARY ELLEN	92	G005400	1	0160015 00041
04	GALLOWAY, MARY ELLEN	* 93	G005400	1	0160015 00041
05	ANDERS, JENNIE MAE	89	A035300	9	0160015 00042
06	ANDERS, JENNIE MAE	90	A035300	9	0160015 00042
07	ANDERS, JENNIE MAE	91	A035300	9	0160015 00042
08	ANDERS, JENNIE MAE	92	A035300	9	0160015 00042
09	ANDERS, JENNIE MAE	* 93	A035300	9	0160015 00042
10	ANDERS, JESSIE L.	89	A035310	0	0160015 00043
11	ANDERS, JESSIE L.	90	A035310	0	0160015 00043
12	ANDERS, JESSIE L.	91	A035310	0	0160015 00043
13	ANDERS, JESSIE L.	92	A035310	0	0160015 00043
14	ANDERS, JESSIE L.	* 93	A035310	0	0160015 00043
15	COLEVINS, ANNA & NICK	89	C137400	0	0160015 00044

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03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.15.30

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	COLEVINS, ANNA & NICK	90	C137400	0	0160015 00044
02	COLEVINS, ANNA & NICK	91	C137400	0	0160015 00044
03	COLEVINS, ANNA & NICK	92	C137400	0	0160015 00044
04	COLEVINS, ANNA & NICK	* 93	C137400	0	0160015 00044
05	POWELL, BRUCE A. & THOMAS G.	89	P093640	0	0160015 00045
06	POWELL, BRUCE A.	90	P093640	0	0160015 00045
07	POWELL, BRUCE A.	91	P093640	0	0160015 00045
08	POWELL. BRUCE A.	* 92	P093640	0	0160015 00045

10	POWELL, BRUCE A. & THOMAS [illegible]	89	P093635	0	0160015 00046
11	POWELL, BRUCE A.	90	P093635	0	0160015 00046
12	POWELL, BRUCE A.	91	P093635	0	0160015 00046
13	THOMPSON, FRANK, JR.	89	T037490	0	0160015 00047
14	THOMPSON, FRANK, JR.	90	T037490	0	0160015 00047
15	THOMPSON, FRANK, JR.	91	T037490	0	0160015 00047

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03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.16.02

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	THOMPSON, FRANKLIN H., JR. &	92	T037490	0	0160015 00047
02	THOMPSON, FRANKLIN H., JR. &	* 93	T037490	0	0160015 00047
03	THOMPSON, FRANKLIN H., JR.	89	T037500	0	0160015 00048
04	THOMPSON, FRANKLIN H., JR.	90	T037500	0	0160015 00048
05	DOUGLAS COUNTY WRECKER	91	/270150	0	0160015 00048
06	POOR FOLKS AUTO SALVAGE	91	/705300	0	0160015 00048
07	THOMPSON, FRANKLIN H., JR.	91	T037500	0	0160015 00048
08	DOUGLAS COUNTY WRECKER	92	/270150	0	0160015 00048
09	POOR FOLKS AUTO SALVAGE	92	/705300	0	0160015 00048
10	THOMPSON, FRANKLIN H., JR. &	92	T037500	0	0160015 00048
11	DOUGLAS COUNTY WRECKER	* 93	/270150	0	0160015 00048
12	POOR FOLKS AUTO SALVAGE	* 93	/705300	0	0160015 00048
13	THOMPSON, FRANKLIN H., JR. &	* 93	T037500	0	0160015 00048
14	FOX, ERNEST I.	89	F041600	0	0160015 00049
15	FOX, ERNEST I.	90	F041600	0	0160015 00049

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03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.16.25

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	FOX, ERNEST I.	91	F041600	0	0160015 00049
02	FOX, ERNEST I.	92	F041600	0	0160015 00049
03	MCCONNELL, DOUGLAS J. &	* 93	M135567	0	0160015 00049
04	CARROLL, JIMMIE	89	C051900	1	0160015 00050
05	CARROLL, JIMMIE	90	C051900	1	0160015 00050
06	CARROLL, JIMMIE G.	* 91	/161700	0	0160015 00050
07	CARROLL, JIMMIE	91	C051900	1	0160015 00050
08	CARROLL, JIMMIE G.	* 92	/161700	0	0160015 00050
09	CARROLL, JIMMIE	92	C051900	1	0160015 00050
10	CARROLL, JIMMIE G.	* 93	/161700	0	0160015 00050
11	CARROLL, JIMMIE	* 93	C051900	1	0160015 00050
12	CARROLL, HERMAN P. & WANDA F.	89	C051600	1	0160015 00051
13	CARROLL, HERMAN P. & WANDA F.	90	C051600	1	0160015 00051
14	CARROLL, HERMAN P. & WANDA F.	91	C051600	1	0160015 00051
15	CARROLL, HERMAN P.	* 92	/161450	0	0160015 00051

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03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.16.40

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	CARROLL, HERMAN P. & WANDA F.	92	C051600	1	0160015 00051
02	CARROLL, HERMAN P.	* 93	/161450	0	0160015 00051
03	CARROLL, HERMAN P. & WANDA F.	* 93	C051600	1	0160015 00051
04	STANLEY, DENNIS R.	89	S138177		0160015 00052
05	STANLEY, DENNIS R.	90	S138177		0160015 00052
06	STANLEY, DENNIS R.	91	S138177	0	0160015 00052
07	STANLEY, DENNIS R.	92	S138177	0	0160015 00052
08	STANLEY, DENNIS R.	* 93	S138177	0	0160015 00052
09	STANLEY, DENNIS R. & ROSEANN	89	S138179	0	0160015 00053
10	STANLEY, DENNIS R. & ROSEANN	90	S138179	0	0160015 00053
11	STANLEY, DENNIS R. & ROSEANN	91	S138179	0	0160015 00053
12	STANLEY, DENNIS R. & ROSEANN	92	S138179	0	0160015 00053
13	STANLEY, DENNIS R. & ROSEANN	* 93	S138179	0	0160015 00053
14	STANLEY, DENNIS R. & ROSEANN	89	S138180	0	0160015 00054
15	STANLEY, DENNIS R. & ROSEANN	90	S138180	0	0160015 00054

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.16.52

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	STANLEY, DENNIS R. & ROSEANN	91	S138180	0	0160015 00054
02	STANLEY, DENNIS R. & ROSEANN	92	S138180	0	0160015 00054
03	STANLEY, DENNIS R. & ROSEANN	* 93	S138180	0	0160015 00054
04	STANLEY, DENNIS R.	89	S138175	1	0160015 00055
05	DIESEL DOCTOR, THE	90	/258200	0	0160015 00055
06	STANLEY, DENNIS R.	90	S138175	1	0160015 00055
07	DIESEL DOCTOR, THE	91	/258200	0	0160015 00055
08	STANLEY, DENNIS R.	91	S138175	1	0160015 00055
09	DIESEL DOCTOR, THE	92	/258200	0	0160015 00055
10	STANLEY, DENNIS R.	92	S138175	1	0160015 00055
11	DIESEL DOCTOR, THE	* 93	/258200	0	0160015 00055
12	STANLEY, DENNIS R.	* 93	S138175	1	0160015 00055
13	ROGERS, HENRY R.	89	R078300	0	0160015 00056
14	STANLEY, ROSEANN	90	S138499	0	0160015 00056
15	STANLEY, ROSEANN	91	S138499	0	0160015 00056

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.17.07

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	STANLEY, ROSEANN	92	S138499	0	0160015 00056
02	STANLEY, ROSEANN	* 93	S138499	0	0160015 00056
03	KNIGHT, B. J.	89	K033000	0	0160015 00057
04	KNIGHT, B. J.	90	K033000	0	0160015 00057
05	KNIGHT, B. J.	91	K033000	0	0160015 00057
06	KNIGHT, B. J.	* 92	K033000	0	0160015 00057
07	KNIGHT, B. J.	* 93	K033000	0	0160015 00057
08	STANLEY, ROSEANN	89	S138500		0160015 00058
09	STANLEY, ROSEANN	90	S138500	0	0160015 00058
10	STANLEY, ROSEANN	91	S138500	0	0160015 00058

13	STANLEY, ROSEANN	89	S138501		0160015	00059
14	STANLEY, ROSEANN	90	S138501	0	0160015	00059
15	STANLEY, ROSEANN	91	S138501	0	0160015	00059

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.17.20

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel	
01	STANLEY, ROSEANN	92	S138501	0	0160015	00059
02	STANLEY, ROSEANN	* 93	S138501	0	0160015	00059
03	YOUNGBLOOD, MARTHA L., MRS.	89	Y009000	0	0160015	00060
04	YOUNGBLOOD, MARTHA L., MRS.	90	Y009000	0	0160015	00060
05	YOUNGBLOOD, MARTHA L., MRS.	91	Y009000	0	0160015	00060
06	YOUNGBLOOD, MARTHA L., MRS.	92	Y009000	0	0160015	00060
07	YOUNGBLOOD, MARTHA L., MRS.	* 93	Y009000	0	0160015	00060
08	BURGER, HELEN, MRS.	89	B187300	0	0160015	00061
09	BURGER, HELEN, MRS.	90	B187300	0	0160015	00061
10	BURGER, HELEN, MRS.	91	B187300	0	0160015	00061
11	BURGER, HELEN, MRS.	92	B187300	0	0160015	00061
12	BURGER, HELEN, MRS.	* 93	B187300	0	0160015	00061
13	BURGER, HELEN, MRS.	89	B187400	0	0160015	00062
14	BURGER, HELEN, MRS.	90	B187400	0	0160015	00062
15	BURGER, HELEN, MRS.	91	B187400	0	0160015	00062

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.17.35

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel	
01	BABB, DON	89	B003551	0	0160015	00063
02	BABB, DON	90	B003551	0	0160015	00063
03	BABB, DON	91	B003551	0	0160015	00063
04	BABB, DON	92	B003551	0	0160015	00063
05	BABB, DON	* 93	B003551	0	0160015	00063
06	TAYLOR, JAMES T.	89	T014610	0	0160015	00064
07	DOUGLASVILLE SHEET METAL CO. INC.	90	/277800	0	0160015	00064
08	TAYLOR, JAMES T.	90	T014610	0	0160015	00064
09	DOUGLASVILLE SHEET METAL CO., INC.	91	/277800	0	0160015	00064
10	TAYLOR, JAMES T.	91	T014610	0	0160015	00064
11	DOUGLASVILLE SHEET METAL CO., INC.	92	/277800	0	0160015	00064
12	TAYLOR, JAMES T.	* 92	T014610	0	0160015	00064
13	DOUGLASVILLE SHEET METAL CO., INC.	* 93	/277800	0	0160015	00064
14	TAYLOR, JAMES T.	* 93	T014610	0	0160015	00064
15	HINDMAN, A. W. (ANDY)	89	H119400	0	0160015	00065

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.17.53

Key the Line Number for Detail Record zz

01	HINDMAN, A. W. (ANDY)	90	H119400	9	0160015	00065
02	HINDMAN, A. W. (ANDY)	* 91	H119400	9	0160015	00065
03	HINDMAN, A. W. (ANDY)	92	H119400	0	0160015	00065
04	HINDMAN, A. W. (ANDY)	* 93	H119400	0	0160015	00065
05	SUTTON, EFFIE L.	89	S197515	0	0160015	00066
06	SUTTON, EFFIE L.	90	S197515	0	0160015	00066
07	SUTTON, S. O.	91	S197826	0	0160015	00066
08	SUTTON, BENNY P. & BOBBY M.	92	S197352	0	0160015	00066
09	SUTTON, BENNY P. & BOBBY M.	* 93	S197352	0	0160015	00066
10	SUTTON, EFFIE L.	89	S197516	0	0160015	00067
11	SUTTON, EFFIE L.	90	S197516	0	0160015	00067
12	SUTTON, S. O.	91	S197827	0	0160015	00067
13	SUTTON, SCARLET DAWN	92	S197950	0	0160015	00067
14	SUTTON, SCARLET DAWN	* 93	S197950	0	0160015	00067
15	MEWBORN, DAVID L. & TERESA D.	89	M050810	1	0160015	00068

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.18.06

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel	
01	MEWBORN, DAVID L. & TERESA D.	90	M050810	1	0160015	00068
02	MEWBORN, DAVID L. & TERESA D.	91	M050810	1	0160015	00068
03	MEWBORN, DAVID L. & TERESA D.	92	M050810	1	0160015	00068
04	MEWBORN, DAVID L. & TERESA D.	* 93	M050810	1	0160015	00068
05	HARRIS, LEE	89	H052490	1	0160015	00069
06	HARRIS, LEE	90	H052490	1	0160015	00069
07	HARRIS, LEE	91	H052490	1	0160015	00069
08	HARRIS, LEE	92	H052490	1	0160015	00069
09	HARRIS, LEE	* 93	H052490	1	0160015	00069
10	HARRIS, VICKEY LEE & RITA FAYE	89	H053895	0	0160015	00070
11	HARRIS, VICKEY LEE & RITA FAYE	90	H053895	0	0160015	00070
12	HARRIS, VICKEY LEE & RITA FAYE	91	H053895	0	0160015	00070
13	HARRIS, VICKEY LEE & RITA FAYE	92	H053895	0	0160015	00070
14	HARRIS, VICKEY LEE & RITA FAYE	* 93	H053895	0	0160015	00070
15	HIPPS, OMIE LEOLA	89	H121300	9	0160015	00071

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.18.23

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel	
01	HIPPS, OMIE LEOLA	90	H121300	9	0160015	00071
02	HIPPS, OMIE LEOLA	91	H121300	9	0160015	00071
03	HIPPS, OMIE LEOLA	92	H121300	9	0160015	00071
04	HIPPS, OMIE LEOLA	* 93	H121300	9	0160015	00071
05	CHAMPION, WILLIAM VERNON	89	C078150		0160015	00072
06	CHAMPION, WILLIAM VERNON	90	C078150		0160015	00072
07	CHAMPION, WILLIAM VERNON	91	C078150	0	0160015	00072
08	CHAMPION, WILLIAM VERNON	92	C078150	0	0160015	00072
09	CHAMPION, EULA MAE	* 93	C077296	0	0160015	00072
10	MCGINNIS, H. W.	89	M149700	0	0160015	00073
11	MCGINNIS, H. W.	90	M149700	0	0160015	00073
12	MCGINNIS, H. W.	91	M149700	0	0160015	00073

14	[illegible]	* 93	H145700	0	0160015	00073
15	GRIFFIN, DAVID MARK	89	G096325	1	0160015	00074

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

3-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.18.37

Key the Line Number for Detail Record zz

—	Name		Payer	HE	Parcel
01	GRIFFIN, DAVID MARK	90	G096325	1	0160015 00074
02	GRIFFIN, DAVID MARK	91	G096325	1	0160015 00074
03	GRIFFIN, DAVID MARK	* 92	G096325	1	0160015 00074
04	GRIFFIN, DAVID MARK	* 93	G096325	1	0160015 00074
05	GRIFFIN, BARBARA MARIE WALKER	89	G096160		0160015 00075
06	GRIFFIN, BARBARA MARIE WALKER	90	G096160		0160015 00075
07	GRIFFIN, BARBARA MARIE WALKER	91	G096160	0	0160015 00075
08	GRIFFIN, BARBARA MARIE WALKER	92	G096160	0	0160015 00075
09	GRIFFIN, BARBARA MARIE WALKER	* 93	G096160	0	0160015 00075
10	COLTHARP, AVAN	89	C142300	9	0160015 00076
11	COLTHARP, AVAN	90	C142300	9	0160015 00076
12	COLTHARP, AVAN	91	C142300	9	0160015 00076
13	COLTHARP, AVAN	92	C142300	9	0160015 00076
14	COLTHARP, AVAN	* 93	C142300	9	0160015 00076
15	BURNS, JUDY ANN	89	B190375	1	0160015 00077

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

3-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.18.51

Key the Line Number for Detail Record zz

—	Name		Payer	HE	Parcel
01	BURNS, JUDY ANN	90	B190375	1	0160015 00077
02	BURNS, JUDY ANN	91	B190375	1	0160015 00077
03	BURNS, JUDY ANN	92	B190375	1	0160015 00077
04	BURNS, JUDY ANN	* 93	B190375	1	0160015 00077
05	PAYNE, LILLIE	89	P031000	0	0160015 00078
06	PAYNE, LILLIE	90	P031000	0	0160015 00078
07	PAYNE, LILLIE	91	P031000	0	0160015 00078
08	PAYNE, LILLIE	92	P031000	0	0160015 00078
09	PAYNE, LILLIE	* 93	P031000	0	0160015 00078
10	GRIFFIN, MARIE W.	89	G096850	0	0160015 00079
11	GRIFFIN, MARIE W.	90	G096850	0	0160015 00079
12	GRIFFIN, MARIE W.	91	G096850	0	0160015 00079
13	GRIFFIN, MARIE W.	92	G096850	0	0160015 00079
14	GRIFFIN, MARIE W.	* 93	G096850	0	0160015 00079
15	GRIFFIN, BARBARA MARIE WALKER	89	G096165		0160015 00080

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

3-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.19.00

Key the Line Number for Detail Record zz

Name		Payer	HE	Parcel

03	GRIFFIN, BARBARA MARIE WALKER	91	G096165		0160015	00080
04	GRIFFIN, BARBARA MARIE WALKER	92	G096165		0160015	00080
05	GRIFFIN, BARBARA MARIE WALKER	* 93	G096165		0160015	00080
06	SIDES, PEARSON G.	89	S056400	0	0160015	00081
07	SIDES, PEARSON G.	90	S056400	0	0160015	00081
08	SIDES, PEARSON G.	91	S056400	0	0160015	00081
09	SIDES, PEARSON G.	92	S056400	0	0160015	00081
10	SIDES, PEARSON G.	* 93	S056400	0	0160015	00081
11	JOHNSON, HERBERT L. &	89	J031100	0	0160015	00082
12	JOHNSON, HERBERT L. &	90	J031100	0	0160015	00082
13	JOHNSON, HERBERT L. &	91	J031100	0	0160015	00082
14	JOHNSON, HERBERT L. &	92	J031100	0	0160015	00082
15	JOHNSON, HERBERT L. &	* 93	J031100	0	0160015	00082

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.19.08

Key the Line Number for Detail Record zz

—	Name		Payer	HE	Parcel	
01	POWELL, BRUCE A. & THOMAS G.	89	P093630	0	0160015	00083
02	POWELL, BRUCE A.	90	P093630	0	0160015	00083
03	POWELL, BRUCE A.	91	P093630	0	0160015	00083
04	POWELL, BRUCE A.	* 92	P093630	0	0160015	00083
05	POWELL, BRUCE A.	* 93	P093630	0	0160015	00083
06	OXFORD, R. H.	89	0019050	0	0160015	00084
07	OXFORD'S GROCERY & SEVICE STATION	90	/671000	0	0160015	00084
08	OXFORD, R. H.	90	0019050	0	0160015	00084
09	OXFORD'S GROCERY & SEVICE STATION	91	/671000	0	0160015	00084
10	OXFORD, R. H.	91	0019050	0	0160015	00084
11	OXFORD'S GROCERY & SEVICE STATION	92	/671000	0	0160015	00084
12	OXFORD, R. H.	92	0019050	0	0160015	00084
13	OXFORD'S GROCERY & SEVICE STATION	* 93	/671000	0	0160015	00084
14	OXFORD, R. H.	* 93	0019050	0	0160015	00084
15	FULLER, RUTH	89	F051200	9	0160015	00085

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49 SA MW KS IM II S1 MW1

2/24/93 TAX INQUIRY 11.19.20

Key the Line Number for Detail Record zz

—	Name		Payer	HE	Parcel	
01	FULLER, RUTH	90	F051200	9	0160015	00085
02	FULLER, RUTH	91	F051200	9	0160015	00085
03	FULLER, RUTH	92	F051200	9	0160015	00085
04	GRAY, H. E.	* 93	G084405	0	0160015	00085
05	EIDSON, CHESTER M.	89	E015600	1	0160015	00086
06	EIDSON, CHESTER M.	90	E015600	1	0160015	00086
07	EIDSON, CHESTER M.	91	E015600	1	0160015	00086
08	EIDSON, CHESTER M.	92	E015600	1	0160015	00086
09	EIDSON, CHESTER M.	* 93	E015600	1	0160015	00086
10	WATERS, ED	89	W033700	1	0160015	00087
11	WATERS, ED	90	W033700	1	0160015	00087
12	WATERS, ED	* 91	W033700	1	0160015	00087
13	WATERS, ED	* 92	W033700	1	0160015	00087
14	WATERS. ED	* 93	W033700	1	0160015	00087

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49	SA	MW	KS	IM	II	S1	MW1

2/24/93 TAX INQUIRY 11.19.34

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	KING, JOHN L.	90	K021900	1	0160015 00088
02	KING, JOHN L.	91	K021900	1	0160015 00088
03	KING, JOHN L.	92	K021900	1	0160015 00088
04	KING, JOHN L.	* 93	K021900	1	0160015 00088
05	HARRISON, CELESTE S.	89	H054500	0	0160015 00089
06	HARRISON, CELESTE S.	90	H054500	0	0160015 00089
07	HARRISON, DILLIARD	91	H054500	0	0160015 00089
08	HARRISON, DILLIARD	92	H054500	0	0160015 00089
09	HARRISON, DILLIARD	* 93	H054500	0	0160015 00089
10	HARRISON, CELESTE S.	89	H054400	1	0160015 00090
11	HARRISON, CELESTE S.	90	H054400	1	0160015 00090
12	HARRISON, DILLIARD	91	H054400	1	0160015 00090
13	HARRISON, DILLIARD	92	H054400	1	0160015 00090
14	HARRISON, DILLIARD	* 93	H054400	1	0160015 00090
15	HARRISON, CELESTE S.	89	H054600	0	0160015 00091

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49	SA	MW	KS	IM	II	S1	MW1

2/24/93 TAX INQUIRY 11.19.51

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	HARRISON, CELESTE S.	90	H054600	0	0160015 00091
02	HARRISON, DILLIARD	91	H054600	0	0160015 00091
03	HARRISON, DILLIARD	92	H054600	0	0160015 00091
04	HARRISON, DILLIARD	* 93	H054600	0	0160015 00091
05	HARRISON, CELESTE S.	89	H054450	0	0160015 00092
06	HARRISON, CELESTE S.	90	H054450	0	0160015 00092
07	HARRISON, DILLIARD	91	H054450	0	0160015 00092
08	HARRISON, DILLIARD	92	H054450	0	0160015 00092
09	HARRISON, DILLIARD	* 93	H054450	0	0160015 00092
10	COLE, ROBERT W.	89	C135300	0	0160015 00093
11	COLE, ROBERT W.	90	C135300	0	0160015 00093
12	COLE, ROBERT W.	91	C135300	0	0160015 00093
13	COLE, ROBERT W.	92	C135300	0	0160015 00093
14	COLE, ROBERT W.	* 93	C135300	0	0160015 00093
15	PARKER, VARNELLE & GERALDINE	89	P014300	0	0160015 00094

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49	SA	MW	KS	IM	II	S1	MW1

2/24/93 TAX INQUIRY 11.20.03

Key the Line Number for Detail Record zz

	Name		Payer	HE	Parcel
01	PARKER, VARNELLE & GERALDINE	90	P014300	0	0160015 00094
02	PARKER, VARNELLE & GERALDINE	91	P014300	0	0160015 00094

04	PARKER, VARNELLE & GERALDINE	*	93	P014300	0	0160015	00094
05	ANDERS, LAWRENCE		89	A035377	0	0160015	00095
06	ANDERS, LAWRENCE		90	A035377	0	0160015	00095
07	ANDERS, LAWRENCE		91	A035377	0	0160015	00095
08	ANDERS, LAWRENCE		92	A035377	0	0160015	00095
09	ANDERS, LAWRENCE	*	93	A035377	0	0160015	00095
10	CARROLL, JIMMY L.	*	91	/161725	0	0160015000050	
11	CARROLL, JIMMY L.	*	92	/161725	0	0160015000050	
12	CARROLL, JIMMY L.	*	93	/161725	0	0160015000050	
13	ROL, INC.		89	R079690	0	0161015	00001
14	ROL, INC.		90	R079690	0	0161015	00001
15	ROL, INC.		91	R079690	0	0161015	00001

Cmd 1 - Return to Menu
Cmd 3 - Return To Select

03-49 SA MW KS IM II S1 MW1

GEORGIA'S PROTECTED WILDLIFE COUNTY CROSS-REFERENCE

	1 SHORTNOSE STURGEON	2 SPOTFIN CHUB	3 YELLOWFIN MADTOM	4 SOUTHERN CAVEFISH	5 AMBER DARTER	6 CONASAUGA LOGPERCH	7 SNAIL DARTER	8 GEORGIA BLIND SALAMANDER	9 ATLANTIC GREEN TURTLE	10 ATLANTIC HAWKSBILL	11 LOGGERHEAD	12 ATLANTIC RIDLEY	13 LEATHERBACK	14 AMERICAN ALLIGATOR	15 EASTERN INDIGO SNAKE	16 EASTERN BROWN PELICAN	17 WOOD STORK	18 SOUTHERN BALD EAGLE	19 PEREGRINE FALCON	20 PIPING PLOVER	21 RED-COCKADED WOODPECKER	22 IVORY-BILLED WOODPECKER	23 BACHMAN'S WARBLER	24 KIRTLAND'S WARBLER	25 GRAY BAT	26 INDIANA BAT	27 SHERMAN'S POCKET GOPHER	28 COUGAR	29 SEI WHALE	30 FIN WHALE	31 HUMPBACK WHALE	32 BLACK RIGHT WHALE	33 SPERM WHALE	34 WEST INDIAN MANATEE
Dade				X															H							X								
Dawson																																		
Decatur								X						X	X			X			X													
DeKalb																																		
Dodge	X													X	X						X													
Dooly														X																				
Dougherty								X						X																				
Douglas																																		
Early														X	X						X													
Echols														X	X																			
Effingham	X													X	X	X					X													
Elbert																																		
Emanuel														X	X		X				X													
Evans														X	X						X													
Fannin																																		
Fayette																																		
Floyd																			R		X							X						
Forsyth																																		
Franklin																																		
Fulton																			R															
Gilmer																																		
Glascock														X																				
Glynn	X								O	O	X	O	O	X	X	X	X	X	M	W	X								O	O	O	O	O	S
Gordon																																		
Grady								X						X	X						X													
Greene																		X																
Gwinnett																																		
Habersham																																		
Hall																																		
Hancock														X							X													
Haralson																																		
Harris														X							X													
Hart																																		
Heard																		X																
Henry																																		
Houston	X													X																				
Irwin														X	X																			
Jackson																																		
Jasper																					X													
Jeff Davis	X													X	X						X													

X=General occurrence, see appendix; O=Occurs in offshore waters only; W=Winter occurrence only; S=Summer occurrence only; M=Occurs irregularly as a migrant; R=Release or potential release site; H=Historical occurrence

TABLE I STATUS AND BASIS FOR CLASSIFICATION FOR GEORGIA'S PROTECTED PLANT SPECIES

SCIENTIFIC NAME	STATUS		BASIS FOR CLASSIFICATION				
			RARITY			OTHER FACTORS	
	ENDANGERED	THREATENED	RARE THROUGHOUT	RARE DISJUNCT	RARE PERIPHERAL	EXPLOITED	RAPID HABITAT LOSS
*1. Amphianthus pusillus	X		X				X
2. Arabis georgiana		X	X				
3. Asplenium heteroresiliens		X		X			
4. Baptisia arachnifera	X		X				X
5. Bumelia thornei	X		X				
6. Cacalia diversifolia		X	X				
7. Calamintha ashei		X	X	X			
8. Carex amplisquama		X	X				
9. Carex biltmoreana		X	X				
10. Carex misera		X	X				
11. Carex purpurifera		X	X				
12. Croomia pauciflora		X	X				
13. Cuscuta harperi		X	X				
14. Cypripedium acaule		X				X	

* The numbers beside each species correspond to the species reference num in Table II.

TABLE I STATUS AND BASIS FOR CLASSIFICATION FOR GEORGIA'S PROTECTED PLANT SPECIES (CONTINUED)

SCIENTIFIC NAME	STATUS		BASIS FOR CLASSIFICATION				
			RARITY			OTHER FACTORS	
	ENDANGERED	THREATENED	RARE THROUGHOUT	RARE DISJUNCT	RARE PERIPHERAL	EXPLOITED	RAPID HABITAT LOSS
15. Cypripedium calceolus var. pubescens		X				X	
16. Draba aprica	X		X				
17. Echinacea laevigata		X	X				
18. Elliottia racemosa	X		X				
19. Fimbristylis perpusilla	X		X				
20. Fothergilla gardenii		X	X				
21. Hartwrightia floridana		X	X				
22. Hydrastis canadensis	X		X				
23. Hymenocallis coronaria	X		X				
24. Isoetes melanospora		X	X				
25. Jeffersonia diphylla	X				X		
26. Leavenworthia exigua var. exigua		X	X				
27. Lindernia saxicola	X		X				
28. Litsea aestivalis		X	X				

TABLE I STATUS AND BASIS FOR CLASSIFICATION FOR GEORGIA'S PROTECTED PLANT SPECIES (CONTINUED)

SCIENTIFIC NAME	STATUS		BASIS FOR CLASSIFICATION				
			RARITY			OTHER FACTORS	
	ENDANGERED	THREATENED	RARE THROUGHOUT	RARE DISJUNCT	RARE PERIPHERAL	EXPLOITED	RAPID HABITAT LOSS
43. Sarracenia purpurea	X					X	X
44. Sarracenia rubra	X		X			X	X
.5. Schisandra glabra		X	X				
46. Schizachyrium niveum		X	X				
47. Scutellaria montana		X	X				
48. Sedum pusillum		X					
49. Senecio millefolium		X	X				
50. Shortia galacifolia	X		X				
51. Silene polypetala	X		X				
52. Thalictrum debile		X	X				X
53. Torreya taxifolia	X		X				
54. Trientalis borealis	X			X			
55. Trillium persistens	X		X				
56. Veratrum woodii	X		X				

TABLE II COUNTY CROSS-REFERENCE INDEX (CONTINUED)

COUNTY	SPECIES REFERENCE NUMBERS	COUNTY TOTAL
Dade	2, 14, 15, 22	4
Dawson	14, 15, 22	3
Decatur	12, 29, 30, 51, 53	5
DeKalb	1, 14, 15, 24, 45, 48, 56	7
Dodge	39, 41	2
Dooly	32, 39, 41	3
Dougherty	41	1
Douglas	1, 15, 45	3
Early	5, 6, 30, 37, 38, 41, 44, 56	8
Echols	39, 41	2
Effingham	28, 39	2
Elbert	36, 48	2
Emmanuel	18, 39, 41, 42, 44	5
Evans	18, 39, 41	3
Fannin	14, 15	2
Fayette		0
Floyd	2, 11, 14, 15, 47, 52, 57	7
Forsyth	14, 15	2
Franklin	14, 15, 45	3
Fulton	14, 15, 45, 56	4
Gilmer	8, 14, 15, 54	4
Glascock		0
Glynn	28, 41	2
Gordon	2, 14, 15, 47	4
Grady	41	1
Greene	1, 14, 36	3
Gwinnett	1, 15, 22, 24, 45, 56, 58	7
Habersham	14, 15, 55	3
Hall	14, 31	2
Hancock	1	1
Haralson	14	1
Harris	1, 23, 37	3
Hart		0
Heard	1, 15, 45	3
Henry	1, 48	2
Houston		0
Irwin	18, 28, 39, 41, 42	5
Jackson		0
Jasper	36	1
Jeff Davis	18, 39, 41, 42	4

Amphianthus pusillus Torrey (Schrophulariaceae) Endangered
Common Name: Amphianthus
Range: Piedmont of Ala., Ga., and S.C.
Plant Type: Annual aquatic herb

Amphianthus pusillus

Description: This is a diminutive plant which can easily be overlooked. It has both floating and submerged leaves. The floating leaves are oppositely arranged on the stem, ovate, 4-8 mm. long, 3-5 mm. wide, and are attached to the submerged leaves by delicate, lax stems. The submerged leaves are arranged in a basal rosette, lanceolate, and less than 1 cm. long. The flowers are small, white, inconspicuous, and are found both among the submerged basal leaves and in between the floating surface leaves. The fruit is a small capsule, 2-3 mm. broad, and 1 mm. long. Flowering period: Mar.-Apr.; fruiting period: Apr.-May.

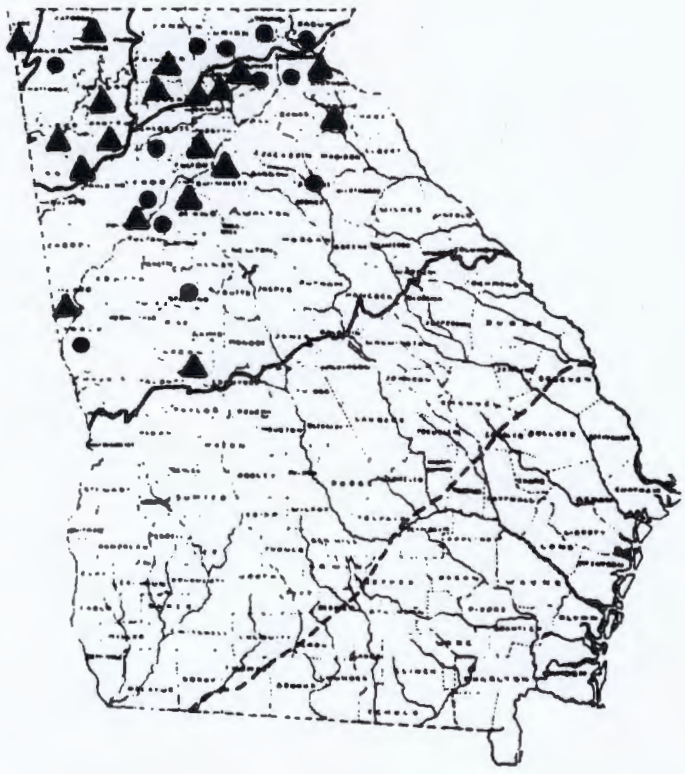
Habitat: Restricted to the shallow, flat-bottomed depression pools of granite outcrops. These pools are usually less than a foot in depth and are completely dry in the summer after the spring rains have evaporated.

Selected Reference(s):

Duncan, W.H. and L.E. Foote. 1975. Wildflowers of the Southeastern United States. pg. 172. Univ. of Ga. Press, Athens, Ga.

Radford, A.E., H.E. Ahles, and C.R. Bell. 1964. Manual of the Vascular Flora of the Carolinas. pg. 937. Univ. of N.C. Press, Chapel Hill, N.C.

Cypripedium calceolus var. pubescens* (Willd.) Correll (Orchidaceae) Threatened
Common Names: Golden Slipper, and Yellow Lady's-Slipper
Range: North Ga., west to Ariz., and north to Canada
Plant Type: Perennial herb



Cypripedium calceolus
var. pubescens

Description: Yellow Lady's-Slipper is a showy plant up to 70 cm. tall. The 3-5 leaves are alternately arranged on the stem, prominently veined, green above and beneath, and up to 20 cm. long and 10 cm. wide. The 1 to 2 flowers are terminally disposed, have 2 green twisted petals and a yellow colored "shoe" (lip petal), which is veined and purple spotted in the center. The fruit is a capsule that is conspicuously covered with small hairs, and is up to 5 cm. long. Flowering period: Apr.-June; fruiting period: May-July.

Habitat: Primarily found in rich, moist, hardwood coves and forests.

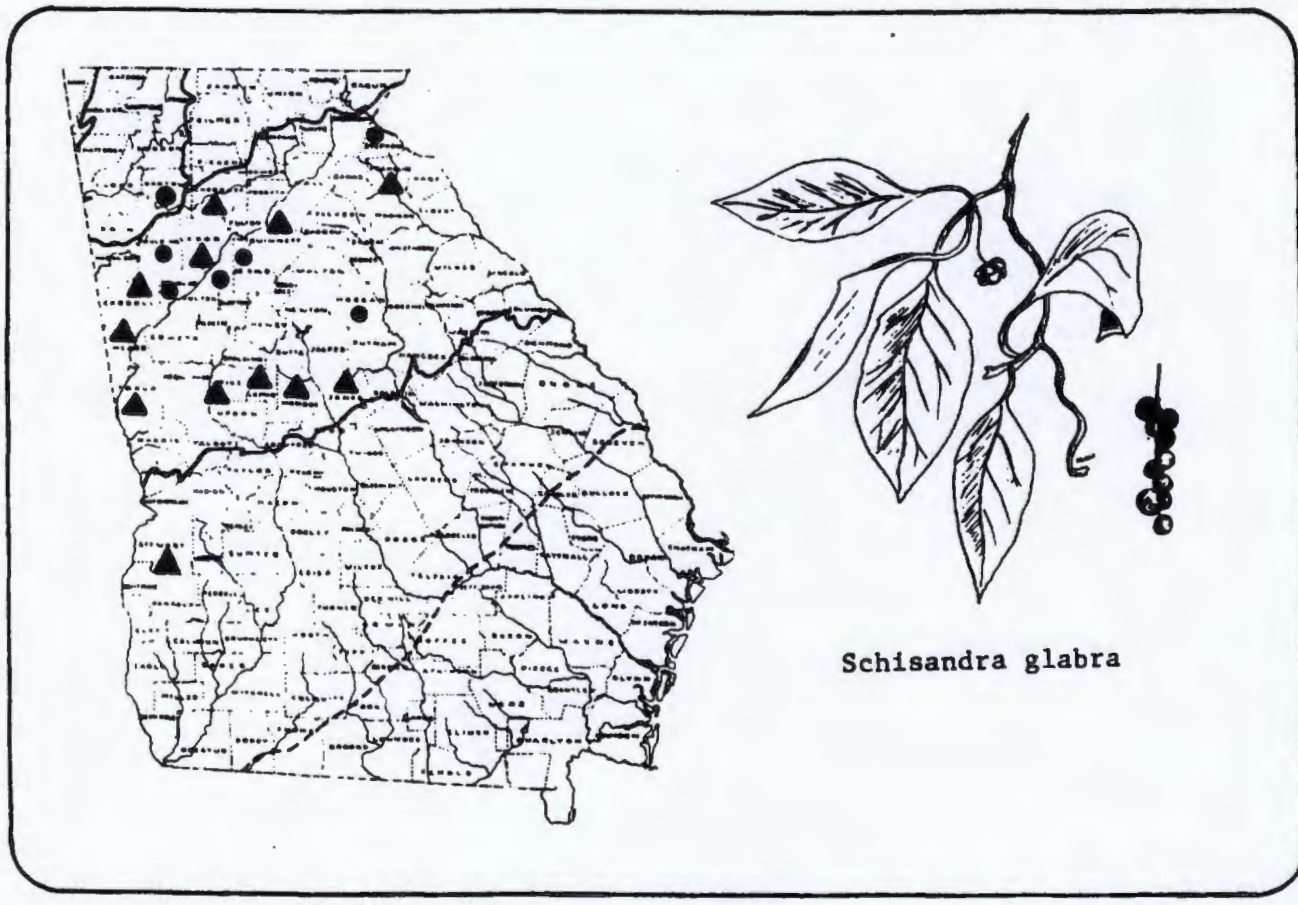
Selected Reference(s):

Duncan, W.H. and L.E. Foote. 1975. Wildflowers of the Southeastern United States. pg. 269. Univ. of Ga. Press, Athens, Ga.

Radford, A.E., H.E. Ahles, and C.R. Bell. 1964. Manual of the Vascular Flora of the Carolinas. pg. 333. Univ. of N.C. Press, Chapel Hill, N.C.

* = C. pubescens Willd., and C. parviflorum Salis.

Schisandra glabra (Brickell) Rehder* (Schisandraceae) Threatened
Common Names: Bay Star-vine, Schisandra, and Wild Sarsparilla
Range: Ala., Ark., Fla., Ga., La., Miss., N.C., S.C., and Tenn.
Plant Type: Woody vine



Decription: This is a twining vine which can easily be confused with Climbing Hydrangea (Decumaria barbara), which is quite common. The difference between the two species is that Decumaria barbara has opposite leaves and climbs by means of aerial roots, and Schisandra glabra has alternate leaves and twines. The leaves of S. glabra are up to 15 cm. long and 6 cm. wide, have sparsely toothed margins, and are sweet smelling when crushed. S. glabra has both male and female flowers on the same plant (monoecious). The 9-12 petals are 5-8 mm. long, and crimson colored. The fruit is an aggregate of red berries on an elongate spike. Flowering period: May-June; fruiting period: July-Aug.

Habitat: Typically found twining over subcanopy and understory trees and shrubs in rich, alluvial woods.

Selected Reference(s):

Duncan, W.H. 1975. Woody Vines of the Southeastern United States. pg. 19. Univ. of Ga. Press, Athens, Ga.

Radford, A.E., H.E. Ahles, and C.R. Bell. 1964. Manual of the Vascular Flora of the Carolinas. pg. 476. Univ. of N.C. Press, Chapel Hill, N.C.

* = Schizandra coccinea Michx.

OMB Approval Number: 2050-0095
Approved for Use Through: 1/92

EPA Potential Hazardous Waste Site Preliminary Assessment Form

Identification

State: GA | CERCLIS Number:

CERCLIS Discovery Date:

1. General Site Information

Name: Fairburn Road Dump

Street Address: 4012 Riverside Dr.

City: Douglasville | State: GA | Zip Code: 30134 | County: Douglas | Co. Code: 097 | Cong. Dist: 6

Latitude: 33° 41' 49.0" Longitude: 84° 38' 00.0"

Approximate Area of Site: 79 Acres _____ Square Ft

Status of Site: ☐ Active ☐ Not Specified ☒ Inactive ☐ NA (GW plume, etc.)

2. Owner/Operator Information

Owner: See attachment

Street Address:

City:

State: | Zip Code: | Telephone: ( )

Operator:

Street Address:

City:

State: | Zip Code: | Telephone: ( )

Type of Ownership:
- ☒ Private
- ☐ Federal Agency Name _____
- ☐ State
- ☐ Indian
- ☐ County
- ☐ Municipal
- ☐ Not Specified
- ☐ Other _____

How Initially Identified:
- ☒ Citizen Complaint
- ☐ PA Petition
- ☐ State/Local Program
- ☐ RCRA/CERCLA Notification
- ☐ Federal Program
- ☐ Incidental
- ☐ Not Specified
- ☐ Other _____

3. Site Evaluator Information

Name of Evaluator: Billy Hendricks | Agency/Organization: Ga. DNR-EPD | Date Prepared: 3-31-93

Street Address: 205 Butler St. Suite 1154 | City: Atlanta | State: GA

Name of EPA or State Agency Contact: Jennifer Kaduck

Street Address: same as evaluator

City: | State: | Telephone: (404) 656-2833

4. Site Disposition (for EPA use only)

Emergency Response/Removal Assessment Recommendation:
- ☐ Yes
- ☐ No
- Date: _____

CERCLIS Recommendation:
- ☐ Higher Priority SI
- ☐ Lower Priority SI
- ☐ NFRAP
- ☐ RCRA
- ☐ Other _____
- Date: _____

Signature:

Name (typed):

Position:

CERCLIS Number:

5. General Site Characteristics

Predominant Land Uses Within 1 Mile of Site (check all that apply):

- ☐ Industrial
- ☑ Commercial
- ☑ Residential
- ☑ Forest/Fields
- ☐ Agriculture
- ☑ Mining
- ☐ DOD
- ☐ DOE
- ☐ DOI
- ☐ Other Federal Facility _____
- ☐ Other _____

Site Setting:

- ☐ Urban
- ☐ Suburban
- ☑ Rural

Years of Operation:

Beginning Year _____

Ending Year _____

☑ Unknown

Type of Site Operations (check all that apply):

- ☐ Manufacturing (must check subcategory)
  - ☐ Lumber and Wood Products
  - ☐ Inorganic Chemicals
  - ☐ Plastic and/or Rubber Products
  - ☐ Paints, Varnishes
  - ☐ Industrial Organic Chemicals
  - ☐ Agricultural Chemicals (e.g., pesticides, fertilizers)
  - ☐ Miscellaneous Chemical Products (e.g., adhesives, explosives, ink)
  - ☐ Primary Metals
  - ☐ Metal Coating, Plating, Engraving
  - ☐ Metal Forging, Stamping
  - ☐ Fabricated Structural Metal Products
  - ☐ Electronic Equipment
  - ☐ Other Manufacturing
- ☑ Mining
  - ☐ Metals
  - ☐ Coal
  - ☐ Oil and Gas
  - ☑ Non-metallic Minerals
- ☐ Retail
- ☐ Recycling
- ☑ Junk/Salvage Yard
- ☐ Municipal Landfill
- ☐ Other Landfill
- ☐ DOD
- ☐ DOE
- ☐ DOI
- ☐ Other Federal Facility _____
- ☐ RCRA
  - ☐ Treatment, Storage, or Disposal
  - ☐ Large Quantity Generator
  - ☐ Small Quantity Generator
  - ☐ Subtitle D
    - ☐ Municipal
    - ☐ Industrial
  - ☐ "Converter"
  - ☐ "Protective Filer"
  - ☐ "Non- or Late Filer"
- ☐ Not Specified
- ☐ Other _____

Waste Generated:

- ☐ Onsite
- ☑ Offsite
- ☐ Onsite and Offsite

Waste Deposition Authorized By:

- ☐ Present Owner
- ☐ Former Owner
- ☐ Present & Former Owner
- ☐ Unauthorized
- ☑ Unknown

Waste Accessible to the Public:

- ☐ Yes
- ☑ No

Distance to Nearest Dwelling, School, or Workplace:

100 Feet

6. Waste Characteristics Information

Source Type: (check all that apply)	Source Waste Quantity: (include units)	Tier*:
☐ Landfill		
☐ Surface Impoundment		
☐ Drums		
☐ Tanks and Non-Drum Containers		
☐ Chemical Waste Pile		
☑ Scrap Metal or Junk Pile		
☐ Tailings Pile		
☐ Trash Pile (open dump)		
☐ Land Treatment		
☐ Contaminated Ground Water Plume (unidentified source)		
☐ Contaminated Surface Water/Sediment (unidentified source)		
☐ Contaminated Soil		
☐ Other _____		
☐ No Sources		

* C = Constituent, W = Wastestream, V = Volume, A = Area

General Types of Waste (check all that apply)

- ☑ Metals
- ☑ Organics
- ☐ Inorganics
- ☐ Solvents
- ☐ Paints/Pigments
- ☐ Laboratory/Hospital Waste
- ☐ Radioactive Waste
- ☐ Construction/Demolition Waste
- ☐ Pesticides/Herbicides
- ☐ Acids/Bases
- ☑ Oily Waste
- ☐ Municipal Waste
- ☐ Mining Waste
- ☐ Explosives
- ☐ Other _____

Physical State of Waste as Deposited (check all that apply):

- ☑ Solid
- ☑ Liquid
- ☐ Sludge
- ☐ Gas
- ☐ Powder

CERCLIS Number:

7. Ground Water Pathway

Is Ground Water Used for Drinking Water Within 4 Miles:
- [x] Yes
- [ ] No

Type of Drinking Water Wells Within 4 Miles (check all that apply):
- [ ] Municipal
- [x] Private
- [ ] None

Is There a Suspected Release to Ground Water:
- [ ] Yes
- [x] No

Have Primary Target Drinking Water Wells Been Identified:
- [x] Yes
- [ ] No

If Yes, Enter Primary Target Population: 6 People

Depth to Shallowest Aquifer: <10 Feet

Karst Terrain/Aquifer Present:
- [x] Yes
- [ ] No

Nearest Designated Wellhead Protection Area:
- [ ] Underlies Site
- [ ] >0 - 4 Miles
- [x] None Within 4 Miles

List Secondary Target Population Served by Ground Water Withdrawn From:

0 - ¼ Mile	6
> ¼ - ½ Mile	20
> ½ - 1 Mile	63
> 1 - 2 Miles	206
> 2 - 3 Miles	452
> 3 - 4 Miles	721
Total Within 4 Miles	1469

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (check all that apply):
- [ ] Stream
- [x] River
- [ ] Pond
- [ ] Lake
- [ ] Bay
- [ ] Ocean
- [ ] Other _____

Shortest Overland Distance From Any Source to Surface Water:
0 Feet
_____ Miles

Is There a Suspected Release to Surface Water:
- [ ] Yes
- [x] No

Site is Located in:
- [x] Annual - 10 yr Floodplain
- [ ] >10 yr - 100 yr Floodplain
- [ ] >100 yr - 500 yr Floodplain
- [ ] >500 yr Floodplain

Drinking Water Intakes Located Along the Surface Water Migration Path:
- [x] Yes
- [ ] No

Have Primary Target Drinking Water Intakes Been Identified:
- [x] Yes
- [ ] No

If Yes, Enter Population Served by Primary Target Intakes:
_____ People

List All Secondary Target Drinking Water Intakes:

Name	Water Body	Flow (cfs)	Population Served
Dog R.		3.9*	
Bear Cr.		3.9*	
* combined total			

Total within 15 Miles 83,600

Fisheries Located Along the Surface Water Migration Path:
- [ ] Yes
- [x] No

Have Primary Target Fisheries Been Identified:
- [ ] Yes
- [ ] No

List All Secondary Target Fisheries:

Water Body/Fishery Name	Flow (cfs)
N/A	

CERCLIS Number:

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:
- ☐ Yes
- ☑ No

Have Primary Target Wetlands Been Identified:
- ☐ Yes
- ☑ No

List Secondary Target Wetlands:

Water Body	Flow (cfs)	Frontage Miles

Other Sensitive Environments Located Along the Surface Water Migration Path:
- ☐ Yes
- ☑ No

Have Primary Target Sensitive Environments Been Identified:
- ☐ Yes
- ☑ No

List Secondary Target Sensitive Environments:

Water Body	Flow (cfs)	Sensitive Environment Type

9. Soil Exposure Pathway

Are People Occupying Residences or Attending School or Daycare on or Within 200 Feet of Areas of Known or Suspected Contamination:
- ☑ Yes
- ☐ No

If Yes, Enter Total Resident Population:

6 People

Number of Workers Onsite:
- ☐ None
- ☑ 1 - 100
- ☐ 101 - 1,000
- ☐ >1,000

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination:
- ☐ Yes
- ☑ No

If Yes, List Each Terrestrial Sensitive Environment:

10. Air Pathway

Is There a Suspected Release to Air:
- ☐ Yes
- ☑ No

Enter Total Population on or Within:

Onsite	
0 - ¼ Mile	
> ¼ - ½ Mile	
> ½ - 1 Mile	
> 1 - 2 Miles	
> 2 - 3 Miles	
> 3 - 4 Miles	
Total Within 4 Miles	

Wetlands Located Within 4 Miles of the Site:
- ☐ Yes
- ☑ No

Other Sensitive Environments Located Within 4 Miles of the Site:
- ☐ Yes
- ☑ No

List All Sensitive Environments Within ½ Mile of the Site:

Distance	Sensitive Environment Type/Wetlands Area (acres)
Onsite	
0 - ¼ Mile	
> ¼ - ½ Mile	

APPENDIX A

OMB Approval Number: 2050-0095
Approved for Use Through: 1/92

PA Scoresheets

Site Name: Fairburn Rd. Dump

CERCLIS ID No.: GAD 984 295196

Street Address: Fairburn Rd. + Riverside Dr.

City/State/Zip: Douglasville, GA 30134

Investigator: Billy Hendricks

Agency/Organization: Ga. DNR-EPD

Street Address: 205 Butler St.

City/State/Zip: Atlanta, GA 30334

Date: 3-31-93

GENERAL INFORMATION

Site Description and Operational History:

The Fairburn Road Dump site is located approximately 8.5 miles east of Douglasville on Fairburn Road, Georgia Highway 166, as shown on Figure 1. The site is bordered to the south by Fairburn Road, to the east by the Chattahoochee River, to the north by mixed residential-commercial property and the Douglasville/ Douglas County Water and Sewer Authority Water Treatment Plant, and to the west by King Road.
The site occupies approximately 79 acres on the west bank of the Chattahoochee River. A substantial portion of the property is comprised of flood plain along a meander of the river. The site was originally intended as a subdivision, Riverside Gardens. The parcel comprises 95 separate lots, ranging in size from ¼ acre to over 2½ acres. Of these 95 lots, approximately 75 are included in the study area. More than fifty owners are currently recorded for these lots, some of which have been recombined to form larger lots.

The site is moderately developed, with numerous permanent improvements, including houses, warehouse/office structures, open storage areas, and trailers in abundance. Some of this cleared area appears to have been used in dredging operations for sand and gravel as far back as the first set of aerial photographs in 1968. The site was "discovered" June 21, 1991 based on a complaint filed with the U. S. EPA Region IV. Based on file review and the site visit, the site has not been operated as a disposal facility.

Probable Substances of Concern:
(Previous investigations, analytical data)

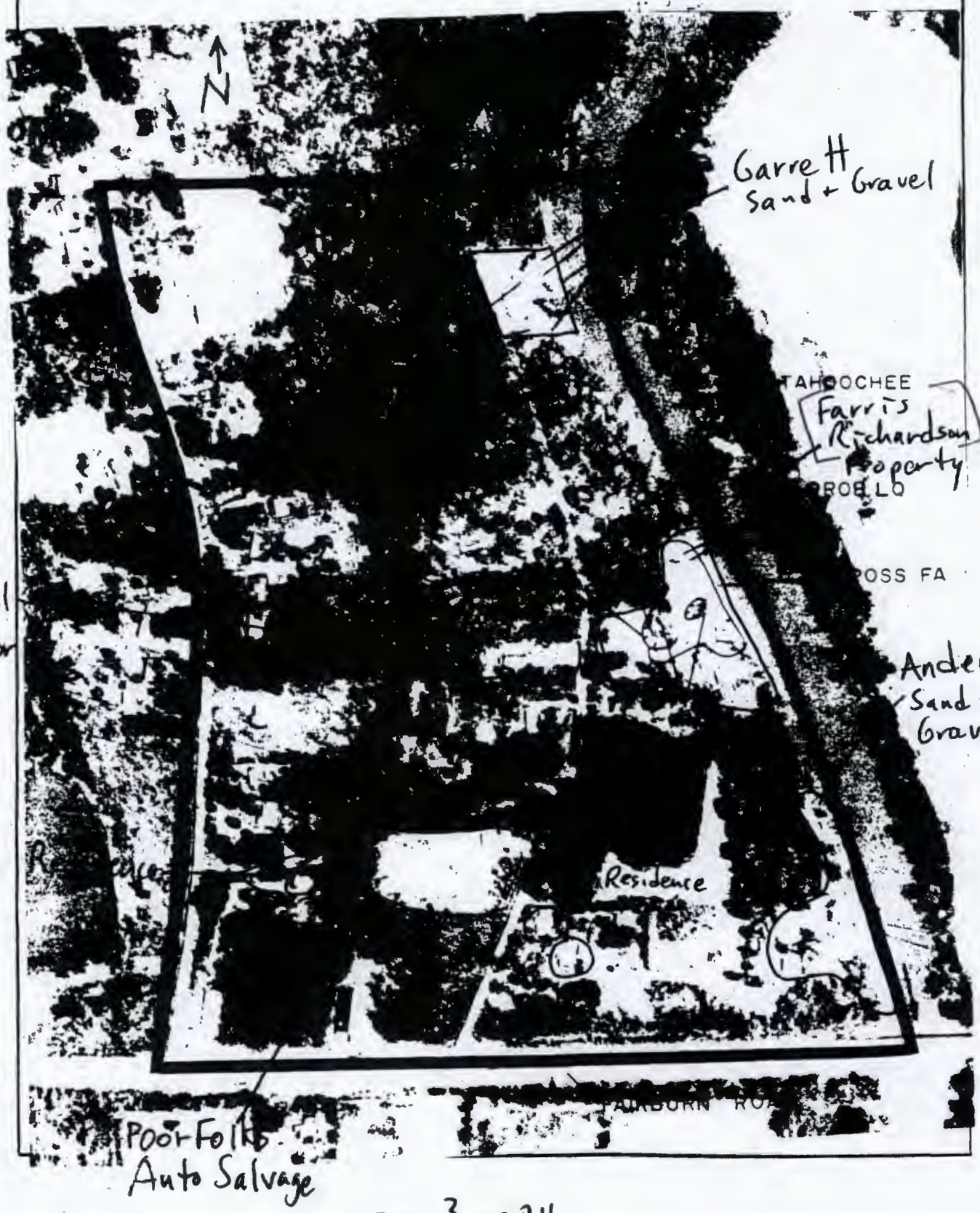
That portion of the site used as a junkyard is the only currently visible source of contaminants: possible substances of concern include used motor oil, antifreeze, fuel, and bearing metals. Evidence of previous waste disposal at the site is limited to reports filed with USEPA Region IV by residents of the area. However, it must be noted that conversations with the original complainant indicate that the Fairburn Road Dump Site is not the location she intended in her complaint.

Routine operations of any land-disturbing activities are limited to dredging the Chattahoochee for sand and gravel. There are currently two active and one inactive dredging operations.

Site name:
Date:

GENERAL INFORMATION (continued)

Site Sketch:
(Show all pertinent features, indicate sources and closest targets, indicate north)



SOURCE EVALUATION

Source No.: 1	Source Name: Poor Folks	Source Waste Quantity (WQ) Calculations:
Source Description: Auto salvage yard Possible contaminated soil		Approx. 2 acres in area. Assume soil contaminated 1" deep. $2ac \times \frac{1}{12} \times 43560 \times \frac{1}{27} = 268\ yd^3$

Source No.:	Source Name:	Source Waste Quantity (WQ) Calculations:
Source Description:		

Source No.:	Source Name:	Source Waste Quantity (WQ) Calculations:
Source Description:		

Site WC: 18

Site name:
Date:

PA TABLE 1: WASTE CHARACTERISTICS (WC) SCORES

PA Table 1a: WC Scores for Single Source Sites and Formulas for Multiple Source Sites

TIER	SOURCE TYPE	SINGLE SOURCE SITES (assigned WC scores)			MULTIPLE SOURCE SITES
		WC = 18	*WC = 32*	*WC = 100*	Formula for Assigning Source WQ Values
CONSTITUENT	N/A	≤100 lb	>100 to 10,000 lb	>10,000 lb	*lb ÷ 1*
WASTESTREAM	N/A	≤500,000 lb	>500,000 to 50 million lb	>50 million lb	*lb ÷ 5,000*
VOLUME	Landfill	≤6.75 million ft³ ≤250,000 yd³	>6.75 million to 675 million ft³ >250,000 to 25 million yd³	>675 million ft³ >25 million yd³	*ft³ ÷ 67,500* *yd³ ÷ 2,500*
	Surface impoundment	≤6,750 ft³ ≤250 yd³	>6,750 to 675,000 ft³ >250 to 25,000 yd³	>675,000 ft³ >25,000 yd³	*ft³ ÷ 67.5* *yd³ ÷ 2.5*
	Drums	≤1,000 drums	>1,000 to 100,000 drums	>100,000 drums	*drums ÷ 10*
	Tanks and non-drum containers	≤50,000 gallons	>50,000 to 5 million gallons	>5 million gallons	*gallons ÷ 500*
	Contaminated soil	≤6.75 million ft³ ≤250,000 yd³	>6.75 million to 675 million ft³ >250,000 to 25 million yd³	>675 million ft³ >25 million yd³	*ft³ ÷ 67,500* *yd³ ÷ 2,500*
	Pile	≤6,750 ft³ ≤250 yd³	>6,750 to 675,000 ft³ >250 to 25,000 yd³	>675,000 ft³ >25,000 yd³	*ft³ ÷ 67.5* *yd³ ÷ 2.5*
	Other	≤6,750 ft³ ≤250 yd³	>6,750 to 675,000 ft³ >250 to 25,000 yd³	>675,000 ft³ >25,000 yd³	*ft³ ÷ 67.5* *yd³ ÷ 2.5*
AREA	Landfill	≤340,000 ft² ≤7.8 acres	>340,000 to 34 million ft² >7.8 to 780 acres	>34 million ft² >780 acres	*ft² ÷ 3,400* *acres ÷ 0.078*
	Surface impoundment	≤1,300 ft² ≤0.029 acres	>1,300 to 130,000 ft² >0.029 to 2.9 acres	>130,000 ft² >2.9 acres	*ft² ÷ 13* *acres ÷ 0.00029*
	Contaminated soil	≤3.4 million ft² ≤78 acres	>3.4 million to 340 million ft² >78 to 7,800 acres	>340 million ft² >7,800 acres	*ft² ÷ 34,000* *acres ÷ 0.78*
	Pile*	≤1,300 ft² ≤0.029 acres	>1,300 to 130,000 ft² >0.029 to 2.9 acres	>130,000 ft² >2.9 acres	*ft² ÷ 13* *acres ÷ 0.00029*
	Land treatment	≤27,000 ft² ≤0.62 acres	>27,000 to 2.7 million ft² >0.62 to 62 acres	>2.7 million ft² >62 acres	*ft² ÷ 270* *acres ÷ 0.0062*

1 ton = 2,000 lb = 1 yd³ = 4 drums = 200 gallons

* Use area of land surface under pile, not surface area of pile.

PA Table 1b: WC Scores for Multiple Source Sites

WQ Total	*WC Score*
>0 to 100	18
>100 to 10,000	32
>10,000	100

Site name:
Date:

GROUND WATER PATHWAY
GROUND WATER USE DESCRIPTION

Describe Ground Water Use Within 4-miles of the Site:
(Describe stratigraphy, information on aquifers, municipal and/or private wells)

Calculations for Drinking Water Populations Served by Ground Water:

GROUND WATER PATHWAY CRITERIA LIST

SUSPECTED RELEASE

Yes	No	Unk	
☑	☐	☐	Are sources poorly contained?
☑	☐	☐	Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)?
☐	☑	☐	Is waste quantity particularly large?
☑	☐	☐	Is precipitation heavy?
☐	☑	☐	Is the infiltration rate high?
☐	☑		Is the site located in an area of karst terrain?
☑	☐	☐	Is the subsurface highly permeable or conductive?
☐	☑	☐	Is drinking water drawn from a shallow aquifer?
☐	☑	☐	Are suspected contaminants highly mobile in ground water?
☐	☑	☐	Does analytical or circumstantial evidence suggest ground water contamination?
☐	☐		Other criteria? _____
☐	☑		**SUSPECTED RELEASE?**

PRIMARY TARGETS

Yes	No	Unk	
☑	☐	☐	Is any drinking water well nearby?
☐	☐	☑	Has any nearby drinking water well been closed?
☐	☑	☐	Has any nearby drinking water user reported foul-tasting or foul-smelling water?
☐	☑	☐	Does any nearby well have a large drawdown or high production rate?
☐	☑	☐	Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance?
☐	☑	☐	Does analytical or circumstantial evidence suggest contamination at a drinking water well?
☐	☑	☐	Does any drinking water well warrant sampling?
☐	☐		Other criteria? _____
☐	☑		**PRIMARY TARGET(S) IDENTIFIED?**

Summarize the rationale for Suspected Release (attach an additional page if necessary):

No visible contamination noted during site visit

Summarize the rationale for Primary Targets (attach an additional page if necessary):

Municipal water service in place at each location in site area.

Site name:
Date:

GROUND WATER PATHWAY SCORESHEET

Pathway Characteristics		
Do you suspect a release (see Ground Water Pathway Criteria List, page 71)?	Yes ___	No ✓
Is the site located in karst terrain?	Yes ___	No ✓
Depth to aquifer:		210 ft
Distance to the nearest drinking water well:		100 ft

LIKELIHOOD OF RELEASE	A Suspected Release	B No Suspected Release	References
1. SUSPECTED RELEASE: If you suspect a release to ground water (see page 71), assign a score of 550. Use only column A for this pathway.			
2. NO SUSPECTED RELEASE: If you do not suspect a release to ground water, 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. Use only column B for this pathway.		500	
LR =		500	

TARGETS			
3. PRIMARY TARGET POPULATION: Determine the number of people served by drinking water wells that you suspect have been exposed to a hazardous substance from the site (see Ground Water Pathway Criteria List, page 71). ___ people x 10 =			
4. SECONDARY TARGET POPULATION: Determine the number of people served by drinking water wells that you do NOT suspect have been exposed to a hazardous substance from the site, and assign the total population score from PA Table 2. Are any wells part of a blended system? Yes ___ No ✓ If yes, attach a page to show apportionment calculations.		18	
5. NEAREST WELL: If you have identified a primary target population for ground water, assign a score of 50; otherwise, assign the Nearest Well score from PA Table 2. If no drinking water wells exist within 4 miles, assign a score of zero.		20	
6. WELLHEAD PROTECTION AREA (WHPA): If any source lies within or above a WHPA, or if you have identified any primary target well within a WHPA, assign a score of 20; assign 5 if neither condition holds but a WHPA is present within 4 miles; otherwise assign zero.		0	
7. RESOURCES		5	
T =		43	

WASTE CHARACTERISTICS		
8. A. If you have identified any primary target for ground water, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.		
B. If you have NOT identified any primary target for ground water, assign the waste characteristics score calculated on page 4.		
WC =		18

GROUND WATER PATHWAY SCORE: $\frac{LR \times T \times WC}{82{,}500}$ (subject to a maximum of 100) **4.7**

PA TABLE 2: VALUES FOR SECONDARY GROUND WATER TARGET POPULATIONS

PA Table 2a: Non-Karst Aquifers

Distance from Site	Population	Nearest Well (choose highest)	Population Served by Wells Within Distance Category: 1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	Greater than 100,000	Population Value
0 to ¼ mile	6	20	1	2	5	16	52	163	521	1,633	5,214	16,325	1
> ¼ to ½ mile	20	18	1	1	3	10	32	101	323	1,012	3,233	10,121	1
> ½ to 1 mile	63	9	1	1	2	5	17	52	167	522	1,668	5,224	2
> 1 to 2 miles	206	5	1	1	1	3	9	29	94	294	939	2,938	3
> 2 to 3 miles	452	3	1	1	1	2	7	21	68	212	678	2,122	7
> 3 to 4 miles	721	2	1	1	1	1	4	13	42	131	417	1,306	4
Nearest Well =		20										Score =	18

PA Table 2b: Karst Aquifers

Distance from Site	Population	Nearest Well (use 20 for karst)	Population Served by Wells Within Distance Category: 1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	Greater than 100,000	Population Value
0 to ¼ mile		20	1	2	5	16	52	163	521	1,633	5,214	16,325	
> ¼ to ½ mile		20	1	1	3	10	32	101	323	1,012	3,233	10,121	
> ½ to 1 mile		20	1	1	3	8	26	82	261	816	2,607	8,162	
> 1 to 2 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
> 2 to 3 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
> 3 to 4 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
Nearest Well =												Score =	

SURFACE WATER PATHWAY
MIGRATION ROUTE SKETCH

Suface Water Migration Route Sketch:
(include runoff route, probable point of entry, 15-mile target distance limit, intakes, fisheries, and sensitive environments)

Site name:
Date:

SURFACE WATER PATHWAY CRITERIA LIST

SUSPECTED RELEASE

Yes	No	Unk	
☑	☐	☐	Is surface water nearby?
☐	☑	☐	Is waste quantity particularly large?
☐	☑	☐	Is the drainage area large?
☑	☐	☐	Is rainfall heavy?
☑	☐	☐	Is the infiltration rate low?
☑	☐	☐	Are sources poorly contained or prone to runoff or flooding?
☑	☐	☐	Is a runoff route well defined (e.g., ditch or channel leading to surface water)?
☐	☑	☐	Is vegetation stressed along the probable run-off route?
☐	☑	☐	Are sediments or water unnaturally discolored?
☐	☑	☐	Is wildlife unnaturally absent?
☐	☑	☐	Has deposition of waste into surface water been observed?
☑	☐	☐	Is ground water discharge to surface water likely?
☐	☑	☐	Does analytical or circumstantial evidence suggest surface water contamination?
☐	☐		Other criteria?_____
☐	☑		**SUSPECTED RELEASE?**

PRIMARY TARGETS

Yes	No	Unk	
☑	☐	☐	Is any target nearby? If yes:
			☑ Drinking water intake ☑ Fishery ☐ Sensitive environment
☐	☑	☐	Has any intake, fishery, or recreational area been closed?
☐	☑	☐	Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target?
☐	☑	☐	Does any target warrant sampling? If yes:
			☐ Drinking water intake ☐ Fishery ☐ Sensitive environment
☐	☐		Other criteria?_____
☐	☑		**PRIMARY INTAKE(S) IDENTIFIED?**
☐	☑		**PRIMARY FISHERY(IES) IDENTIFIED?**
☐	☑		**PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED?**

Summarize the rationale for Suspected Release (attach an additional page if necessary):

Summarize the rationale for Primary Targets (attach an additional page if necessary):

SURFACE WATER PATHWAY
LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT SCORESHEET

Pathway Characteristics

Do you suspect a release (see Surface Water Pathway Criteria List, page 11)? Yes ___ No ✓
Distance to surface water: 100 ft
Flood frequency: 10 yrs
What is the downstream distance to the nearest drinking water intake? 8 miles
Nearest fishery? — miles Nearest sensitive environment? — miles

	A Suspected Release	B No Suspected Release	References
LIKELIHOOD OF RELEASE			
1. SUSPECTED RELEASE: If you suspect a release to surface water (see page 11), assign a score of 550. Use only column A for this pathway.			
2. NO SUSPECTED RELEASE: If you do not suspect a release to surface water, use the table below to assign a score based on distance to surface water and flood frequency. Use only column B for this pathway.		500	
LR =		500	
DRINKING WATER THREAT TARGETS			
3. Record the water body type, flow (if applicable), and number of people served by each drinking water intake within the target distance limit. If there is no drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores.			
4. PRIMARY TARGET POPULATION: If you suspect any drinking water intake listed above has been exposed to a hazardous substance from the site (see Surface Water Pathway Criteria List, page 11), list the intake name(s) and calculate the factor score based on the total population served. ___ people x 10 =			
5. SECONDARY TARGET POPULATION: Determine the number of people served by drinking water intakes that you do NOT suspect have been exposed to a hazardous substance from the site, and assign the total population score from PA Table 3. Are any intakes part of a blended system? Yes ___ No ✓ If yes, attach a page to show apportionment calculations.		5	
6. NEAREST INTAKE: If you have identified a primary target population for the drinking water threat (factor 4), assign a score of 50; otherwise, assign the Nearest Intake score from PA Table 3. If no drinking water intake exists within the target distance limit, assign a score of zero.		5	
7. RESOURCES		0	
T =		10	

Distance to surface water	
Distance to surface water ≤ 2,500 feet	500
Distance to surface water > 2,500 feet, and	
Site in annual or 10-year floodplain	500
Site in 100-year floodplain	400
Site in 500-year floodplain	300
Site outside 500-year floodplain	100

Intake Name	Water Body Type	Flow	People Served
		cfs	
		cfs	
		cfs	

PA TABLE 3: VALUES FOR SECONDARY SURFACE WATER TARGET POPULATIONS

Surface Water Body Flow (see PA Table 4)	Population	Nearest Intake (choose highest)	Population Served by Intakes Within Flow Category: 1 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	Greater than 1,000,000	Population Value
<10 cfs	____	20	2	5	16	52	163	521	1,633	5,214	16,325	52,138	163,248	____
10 to 100 cfs	____	2	1	1	2	5	16	52	163	521	1,633	5,214	16,325	____
>100 to 1,000 cfs	____	1	0	0	1	1	2	5	16	52	163	521	1,633	____
>1,000 to 10,000 cfs	83600	0	0	0	0	0	1	1	2	5	16	52	163	5
>10,000 cfs or Great Lakes	____	0	0	0	0	0	0	0	1	1	2	5	16	____
3-mile Mixing Zone	____	10	1	3	8	26	82	261	816	2,607	8,162	26,066	81,663	____

Nearest Intake = 0

Score = 5

PA TABLE 4: SURFACE WATER TYPE / FLOW CHARACTERISTICS WITH DILUTION WEIGHTS FOR SECONDARY SURFACE WATER SENSITIVE ENVIRONMENTS

Type of Surface Water Body: Water Body Type	OR	Flow	Dilution Weight
minimal stream		< 10 cfs	1
small to moderate stream		10 to 100 cfs	0.1
moderate to large stream		> 100 to 1,000 cfs	N/A
large stream to river		> 1,000 to 10,000 cfs	N/A
large river		> 10,000 cfs	N/A
3-mile mixing zone of quiet flowing streams or rivers		10 cfs or greater	N/A
coastal tidal water (harbors, sounds, bays, etc.), ocean, or Great Lakes		N/A	N/A

Site name:
Date:

SURFACE WATER PATHWAY (continued)
HUMAN FOOD CHAIN THREAT SCORESHEET

		A	B	
LIKELIHOOD OF RELEASE		Suspected Release	No Suspected Release	References
Enter Surface Water Likelihood of Release score from page 12.	LR =		500	

HUMAN FOOD CHAIN THREAT TARGETS

8. Record the water body type and flow (if applicable) for each fishery within the target distance limit. If there is no fishery within the target distance limit, assign a Targets score of 0 at the bottom of the page.

Fishery Name	Water Body Type	Flow
		cfs
		cfs
		cfs
		cfs
		cfs

9. PRIMARY FISHERIES: If you suspect any fishery listed above has been exposed to a hazardous substance from the site (see Surface Water Criteria List, page 11), assign a score of 300 and do not evaluate Factor 10. List the primary fisheries:

_____, _____.

_____, _____.

10. SECONDARY FISHERIES

A. If you suspect a release to surface water and have identified a secondary fishery but no primary fishery, assign a score of 210.

B. If you do not suspect a release, assign a Secondary Fisheries score from the table below using the lowest flow at any fishery within the target distance limit.

Lowest Flow	Secondary Fisheries Score
< 10 cfs	210
10 to 100 cfs	30
> 100 cfs, coastal tidal waters, oceans, or Great Lakes	12

12

T = 12

SURFACE WATER PATHWAY (continued)
ENVIRONMENTAL THREAT SCORESHEET

LIKELIHOOD OF RELEASE		A Suspected Release	B No Suspected Release	References
Enter Surface Water Likelihood of Release score from page 12.	LR =		500	

ENVIRONMENTAL THREAT TARGETS

11. Record the water body type and flow (if applicable) for each surface water sensitive environment within the target distance limit (see PA Tables 4 and 5). If there is no sensitive environment within the target distance limit, assign a Targets score of 0 at the bottom of the page.

Environment Name	Water Body Type	Flow
		cfs
		cfs
		cfs
		cfs
		cfs

12. PRIMARY SENSITIVE ENVIRONMENTS: If you suspect any sensitive environment listed above has been exposed to a hazardous substance from the site (see Surface Water Criteria List, page 11), assign a score of 300 and do not evaluate factor 13. List the primary sensitive environments:

_____, _____,
_____, _____.

13. SECONDARY SENSITIVE ENVIRONMENTS: If sensitive environments are present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow.

A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part B of this factor:

Flow	Dilution Weight (PA Table 4)	Environment Type and Value (PA Tables 5 and 6)	Total
cfs	x	=	
cfs	x	=	
cfs	x	=	
cfs	x	=	
cfs	x	=	

Sum =

B. If all secondary sensitive environments are located on surface water bodies with flows > 100 cfs, assign a score of 10.

			10
T =			10

PA TABLE 5: SURFACE WATER AND AIR PATHWAY SENSITIVE ENVIRONMENTS VALUES

Sensitive Environment	*Assigned Value*
Critical habitat for Federally designated endangered or threatened species	100
Marine Sanctuary	
National Park	
Designated Federal Wilderness Area	
Ecologically important areas identified under the Coastal Zone Wilderness Act	
Sensitive Areas identified under the National Estuary Program or Near Coastal Water Program of the Clean Water Act	
Critical Areas identified under the Clean Lakes Program of the Clean Water Act (subareas in lakes or entire small lakes)	
National Monument (air pathway only)	
National Seashore Recreation Area	
National Lakeshore Recreation Area	
Habitat known to be used by Federally designated or proposed endangered or threatened species	75
National Preserve	
National or State Wildlife Refuge	
Unit of Coastal Barrier Resources System	
Federal land designated for the protection of natural ecosystems	
Administratively Proposed Federal Wilderness Area	
Spawning areas critical for the maintenance of fish/shellfish species within a river system, bay, or estuary	
Migratory pathways and feeding areas critical for the maintenance of anadromous fish species in a river system	
Terrestrial areas utilized for breeding by large or dense aggregations of vertebrate animals (air pathway) or semi-aquatic foragers (surface water pathway)	
National river reach designated as Recreational	
Habitat known to be used by State designated endangered or threatened species	50
Habitat known to be used by a species under review as to its Federal endangered or threatened status	
Coastal Barrier (partially developed)	
Federally designated Scenic or Wild River	
State land designated for wildlife or game management	25
State designated Scenic or Wild River	
State designated Natural Area	
Particular areas, relatively small in size, important to maintenance of unique biotic communities	
State designated areas for protection/maintenance of aquatic life under the Clean Water Act	5
Wetlands	See PA Table 6 (Surface Water Pathway) or PA Table 9 (Air Pathway)

PA TABLE 6: SURFACE WATER PATHWAY WETLANDS FRONTAGE VALUES

Total Length of Wetlands	*Assigned Value*
Less than 0.1 mile	0
0.1 to 1 mile	25
Greater than 1 to 2 miles	50
Greater than 2 to 3 miles	75
Greater than 3 to 4 miles	100
Greater than 4 to 8 miles	150
Greater than 8 to 12 miles	250
Greater than 12 to 16 miles	350
Greater than 16 to 20 miles	450
Greater than 20 miles	500

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

WASTE CHARACTERISTICS	A Suspected Release	B No Suspected Release
14. A. If you have identified any primary target for surface water (pages 12, 14, or 15), assign the waste characteristics score calculated on page 4; or a score of 32, whichever is GREATER; do not evaluate part B of this factor.	[illegible]	
B. If you have NOT identified any primary target for surface water, assign the waste characteristics score calculated on page 4.	[illegible]	18
WC =		18

SURFACE WATER PATHWAY THREAT SCORES

Threat	Likelihood of Release (LR) Score (from page 12)	Targets (T) Score (pages 12, 14, 15)	Pathway Waste Characteristics (WC) Score (determined above)	Threat Score LR x T x WC / 82,500
Drinking Water	500	10	18	1.1
Human Food Chain	500	12	18	1.3
Environmental	500	10	18	1.1

SURFACE WATER PATHWAY SCORE
(Drinking Water Threat + Human Food Chain Threat + Environmental Threat) 3.5

Site name:
Date:

SOIL EXPOSURE PATHWAY CRITERIA LIST

SUSPECTED CONTAMINATION	RESIDENT POPULATION			
	Yes	No	Unk	
Surficial contamination can generally be assumed.	☑	☐	☐	Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination?
	☐	☐	☑	Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator?
	☐	☐	☑	Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities?
	☐	☑	☐	Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems?
	☐	☑	☐	Does any neighboring property warrant sampling?
	☐	☐		Other criteria? _____
	☑	☐		RESIDENT POPULATION IDENTIFIED?

Summarize the rationale for Resident Population (attach an additional page if necessary):

Residences seen on adjoining property during site visit

GA EPD

Site name:
Date:

SOIL EXPOSURE PATHWAY SCORESHEET

Pathway Characteristics		
Do any people live on or within 200 ft of areas of suspected contamination?	Yes ✓	No ___
Do any people attend school or daycare on or within 200 ft of areas of suspected contamination?	Yes ___	No ✓
Is the facility active? Yes ___ No ___ If yes, estimate the number of workers: ___		

LIKELIHOOD OF EXPOSURE	Suspected Contamination	References
1. SUSPECTED CONTAMINATION: Surficial contamination can generally be assumed, and a score of 550 assigned. Assign zero only if the absence of surficial contamination can be confidently demonstrated. LE =	550	___

RESIDENT POPULATION THREAT TARGETS		
2. RESIDENT POPULATION: Determine the number of people occupying residences or attending school or daycare on or within 200 feet of areas of suspected contamination (see Soil Exposure Pathway Criteria List, page 18). 6 people x 10 =	60	___
3. RESIDENT INDIVIDUAL: If you have identified a resident population (factor 2), assign a score of 50; otherwise, assign a score of 0.	50	___
4. WORKERS: Use the following table to assign a score based on the total number of workers at the facility and nearby facilities with suspected contamination:	5	___
5. TERRESTRIAL SENSITIVE ENVIRONMENTS: Use PA Table 7 to assign a value for each terrestrial sensitive environment on an area of suspected contamination: Sum =		___
6. RESOURCES	0	___
T =	115	

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

Terrestrial Sensitive Environment Type	Value
___	___
___	___

WASTE CHARACTERISTICS		
7. Assign the waste characteristics score calculated on page 4. WC =	18	

RESIDENT POPULATION THREAT SCORE: $\frac{LE \times T \times WC}{82,500}$ = 13.8

NEARBY POPULATION THREAT SCORE: 1 ___

SOIL EXPOSURE PATHWAY SCORE:
Resident Population Threat + Nearby Population Threat 14.8

Site name:
Date:

PA TABLE 7: SOIL EXPOSURE PATHWAY TERRESTRIAL SENSITIVE ENVIRONMENT VALUES

Terrestrial Sensitive Environment	*Assigned Value*
Terrestrial critical habitat for Federally designated endangered or threatened species	100
National Park	
Designated Federal Wilderness Area	
National Monument	
Terrestrial habitat known to be used by Federally designated or proposed threatened or endangered species	75
National Preserve (terrestrial)	
National or State terrestrial Wildlife Refuge	
Federal land designated for protection of natural ecosystems	
Administratively proposed Federal Wilderness Area	
Terrestrial areas utilized by large or dense aggregations of animals (vertebrate species) for breeding	
Terrestrial habitat used by State designated endangered or threatened species	50
Terrestrial habitat used by species under review for Federal designated endangered or threatened status	
State lands designated for wildlife or game management	25
State designated Natural Areas	
Particular areas, relatively small in size, important to maintenance of unique biotic communities	

Site name:
Date:

AIR PATHWAY CRITERIA LIST

SUSPECTED RELEASE				PRIMARY TARGETS
Yes	No	Unk		
☐	☑	☐	Are odors currently reported?	If you suspect a release to air, evaluate all populations and sensitive environments within 1/4 mile (including those onsite) as primary targets.
☐	☑	☐	Has release of a hazardous substance to the air been directly observed?	
☐	☑	☐	Are there reports of adverse health effects (e.g., headaches, nausea, dizziness) potentially resulting from migration of hazardous substances through the air?	
☐	☑	☐	Does analytical or circumstantial evidence suggest a release to the air?	
☐	☐		Other criteria? _____	
☐	☑		SUSPECTED RELEASE?	

Summarize the rationale for Suspected Release (attach an additional page if necessary):

No odors/release noted during site visit

Site name:
Date:

AIR PATHWAY SCORESHEET

Pathway Characteristics	
Do you suspect a release (see Air Pathway Criteria List, page 21)?	Yes ___ No ✓
Distance to the nearest individual:	___ ft

	A Suspected Release	B No Suspected Release	Reference
LIKELIHOOD OF RELEASE			
1. SUSPECTED RELEASE: If you suspect a release to air (see page 21), assign a score of 550. Use only column A for this pathway.			___
2. NO SUSPECTED RELEASE: If you do not suspect a release to air, assign a score of 500. Use only column B for this pathway.		500	___
LR =		500	
TARGETS			
3. PRIMARY TARGET POPULATION: Determine the number of people subject to exposure from a suspected release of hazardous substances to the air. ___ people x 10 =			___
4. SECONDARY TARGET POPULATION: Determine the number of people not suspected to be exposed to a release to air, and assign the total population score using PA Table 8.		6	___
5. NEAREST INDIVIDUAL: If you have identified any Primary Target Population for the air pathway, assign a score of 50; otherwise, assign the Nearest Individual score from PA Table 8.		20	___
6. PRIMARY SENSITIVE ENVIRONMENTS: Sum the sensitive environment values (PA Table 5) and wetland acreage values (PA Table 9) for environments subject to exposure from a suspected release to the air.			
Sum =			___
7. SECONDARY SENSITIVE ENVIRONMENTS: Use PA Table 10 to determine the score for secondary sensitive environments.		5	___
8. RESOURCES		5	___
T =		36	
WASTE CHARACTERISTICS			
9. A. If you have identified any Primary Target for the air pathway, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.			
B. If you have NOT identified any Primary Target for the air pathway, assign the waste characteristics score calculated on page 4.		18	
WC =		18	

AIR PATHWAY SCORE: $\frac{LR \times T \times WC}{82{,}500}$ = 3.9

Site name:
Date:

PA TABLE 8: VALUES FOR SECONDARY AIR TARGET POPULATIONS

Distance from Site	Population	Nearest Individual (choose highest)	Population Within Distance Category: 1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	Greater than 1,000,000	Population Value
Onsite	0	20	1	2	5	16	52	163	521	1,633	5,214	16,325	52,136	163,246	
>0 to ¼ mile	28	20	1	(1)	1	4	13	41	130	408	1,303	4,081	13,034	40,811	1
>¼ to ½ mile	89	2	0	0	(1)	1	3	9	28	88	282	882	2,816	8,816	1
>½ to 1 mile	270	1	0	0	0	(1)	1	3	8	26	83	261	834	2,612	1
>1 to 2 miles	817	0	0	0	0	0	(1)	1	3	8	27	83	266	833	1
>2 to 3 miles	3186	0	0	0	0	0	1	1	(1)	4	12	38	120	376	1
>3 to 4 miles	7060	0	0	0	0	0	0	1	(1)	2	7	23	73	229	1
Nearest Individual =		20												Score =	6

PA TABLE 9: AIR PATHWAY VALUES FOR WETLAND AREA

Wetland Area	Assigned Value
Less than 1 acre	0
1 to 50 acres	25
Greater than 50 to 100 acres	75
Greater than 100 to 150 acres	125
Greater than 150 to 200 acres	175
Greater than 200 to 300 acres	250
Greater than 300 to 400 acres	350
Greater than 400 to 500 acres	450
Greater than 500 acres	500

PA TABLE 10: DISTANCE WEIGHTS AND CALCULATIONS FOR AIR PATHWAY SECONDARY SENSITIVE ENVIRONMENTS

Distance	Distance Weight	Sensitive Environment Type and Value (from PA Table 5 or 9)	Product
Onsite	0.10	x	
		x	
0-1/4 mi	0.025	x	
		x	
		x	
1/4-1/2mi	0.0064	x	
		x	
		x	
		x	
		Total Environments Score =	

Site name:
Date:

SITE SCORE CALCULATION

	S	S^2
GROUND WATER PATHWAY SCORE (S_{gw}):	4.7	22.1
SURFACE WATER PATHWAY SCORE (S_{sw}):	3.5	12.3
SOIL EXPOSURE PATHWAY SCORE (S_s):	14.8	219.0
AIR PATHWAY SCORE (S_a):	3.9	15.4
SITE SCORE: $\sqrt{\frac{S_{gw}^2+S_{sw}^2+S_s^2+S_a^2}{4}}$		16.4

SUMMARY

	YES	NO
1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water?	☐	☑
A. If yes, identify the well(s).		
B. If yes, how many people are served by the threatened well(s)?		
2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?		
A. Drinking water intake	☐	☑
B. Fishery	☐	☑
C. Sensitive environment (wetland, critical habitat, others)	☐	☑
D. If yes, identify the target(s).		
3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility?	☑	☐
If yes, identify the property(ies) and estimate the associated population(s). Lots # 50, 52, 74 ; total 6		
4. Are there public health concerns at this site that are not addressed by PA scoring considerations? If yes, explain:	☐	☑

FROST ASSOCIATES

P.O. Box 495, Essex, Connecticut 06426
(203) 767-1254 Fax (203) 767-7069

Feb 12, 1993

To: James Ussery
Department of Natural Resources
Environmental Protection Division
106 Butler Street SE
Atlanta, GA 30334

Fr: Bob Frost
Frost Associates
P.O. Box 495
Essex, CT 06426

Tel: (203) 767-1254
Fax: (203) 767-7069

Sub: Fairburn Road Dump Site
Douglas County, GA

Site Longitude: 84.634720
Site Latitude : 33.696110

The CENTRACTS report below identifies the population, households, and private water wells of each Block Group that lies within, or partially within, the 4, 3, 2, 1, .5, and .25, mile "rings" of the latitude and longitude coordinates above. CENTRACTS may have up to ten radii of any length. 1000 block groups, and 15000 block group sides.

CENTRACTS uses the 1990 Block Group population and Block Group house count data found in the Census Bureau's 1990 STF-1A files. The sources of water supply data are from the Bureau's 1990 STF-3A files. The boundary line coordinates of the Block Groups were extracted from the Census Bureau's 1990 TIGER/Line Files.

CENTRACTS reports are created with programs written by Frost Associates, P.O. Box 495, Essex, Conn. The code was written using Microsoft's Quick-Basic Ver. 4.5.

Latitude and Longitude coordinates identifying a site are entered in degrees and decimal degrees. One or more county files holding Block Group boundary lines are selected for use by CENTRACTS by determining whether the site coordinates fall within the minimum and maximum Lat\Lon coordinates of each county in the state.

Each Block Group line segment has Lat\Lon coordinates representing the "From" and "To" ends of that line. All coordinates from the selected county files are read and converted from degrees, decimal degrees to X\Y miles from the site location. Each line segment is then examined whether it lies within or partially within the maximum ring from the site.

The unique Block Group ID numbers of each line segment that lie within the maximum ring are retained. All Block Group boundary lines matching the Block Group numbers are then extracted from the respective county files to obtain all sides of the in cluded Block Groups. Boundary records are then sorted in adjacent side order to determine the shape and area of each Block Group polygon.

A method to solve for the area of a polygon is to take one-half the sum of the pro ducts obtained by multiplying each X-coordinate by the difference between the adja

cent Y-coordinates. For a polygon with coordinates at adjacent angles A, B, C, D, and E. The formula can be expressed:

Area = 1/2{Xa(Ye-Yb)+ Xb(Ya-Yb)+ Xc(Yb-Yd)+ Xd(Yc-Ye)+ Xe(Yd-Ya)}

For each ring, the selected Block Groups will be inside, outside, or intersected by the ring. When a polygon is intersected, the partial Block Group area within that ring is calculated using the method described below.

When a ring intersects a Block Group, the intersect points are solved and plotted at the points where the ring enters and exits the shape. The chord line, a line within the circle connecting the intersect points is determined. This chord line is used to calculate the segment area, the half moon shape between the chord line and the ring, and the sub-polygon created by the chord line and the Block Group boundaries that lie outside the ring.

The segment area is subtracted from the sub-polygon area to determine the area of the sub-polygon outside the ring. The area outside the ring is then subtracted from the area of the entire polygon to arrive at the inside area. This inside area is then divided by the tract's total area to determine the percentage of area within the ring. This process is repeated for each block group that is intersected by one of the rings. The total area, partial area, and percentage of partial area of those block groups within, or partially within a ring, are held in memory for the report.

On occasion, the algorithm described above is unable to determine the area of the partial area. Within the report program is a "Paint" routine which allows an enclosed sh e to be highlighted. Another routine calculates the percentage of highlighted sc..en pixels to the pixels within the polygon. A manual entry is allowed. Both the "paint" method and manual entry method over ride the calculated method.

CENTRACTS lists, starting on page 4, all Block Groups in State, County, Census Tract, and Block Group ID order that lie within, or partially within, the maximum ring. Each Block Group is identified by a City or Town name and by the Block Group's State, County, Tract and Block Group ID number. Following is the Block Group's 1990 populu tion and house count extracted from the Census Bureau's 1990 STF-1A files.

The next four columns display water source data from the 1990 STF-3A files. The first column is "Units with Public system or private company source of water", followed by "Units with individual well, Drilled, source of water"; "Units with individual well, Dug, source of water" and "Units with Other source of water".

For each ring, CENTRACTS then shows the Block Groups that are within that ring, the Block Group's total area in square miles, the partial area of the Block Group within that ring, and the partial percentage within the ring. The areas of the included Block Group and the partial areas are then totaled.

The last section tallies the demographic data within each ring. The percentage of area for each Block Group is multiplied times the census data for that Block Group and totaled for all Block Group's within the ring. Ring totals are then determined by subtracting the three mile data from the four mile, the two mile from the three mile, one from the two, etc... Population on private wells is calculated using the formula: ((Drilled + Dug Wells) / Households) * Population

Fairburn Road Dump Site
Douglas County, GA

Feb 12, 1993

No.	City	Block Group ID	Blk Grp People	House Holds	Public Water	Drilled Wells	Dug Wells	Other
1	Lithia	13097 0802 5	3831	1341	1274	16	15	0
2	Lithia	13097 0801985	125	65	26	18	5	12
3	Lithia	13097 0801986	130	46	0	39	6	0
4	Bill Arp	13097 0805043	4188	1417	1277	88	4	6
5	Bill Arp	13097 0805044	2021	685	568	140	19	0
6	Lithia	13097 0806011	1260	434	394	16	0	0
7	Lithia	13097 0806012	2817	942	894	26	0	0
8	Lithia	13097 0806014	299	113	57	29	35	0
9	Lithia	13097 0806015	313	109	55	49	0	0
10	Lithia	13097 0806016	981	312	304	0	0	0
11	Lithia	13097 0806021	184	64	41	6	13	0
12	Lithia	13097 0806022	2248	809	789	55	0	0
13	Lithia	13097 0806023	311	124	125	0	14	0
14	Lithia	13097 0806024	141	53	38	17	0	0
15	Atlanta	13121 0103016	1439	549	435	80	8	0
16	Atlanta	13121 0103017	429	216	163	49	15	8
17	Atlanta	13121 0103018	1168	406	139	194	72	7
18	Atlanta	13121 0103021	2902	906	880	30	7	0
19	Atlanta	13121 0103022	2296	791	811	7	6	0
20	Atlanta	13121 0103023	48	27	37	0	0	0
21	Atlanta	13121 0103024	1091	385	309	47	0	0
22	Atlanta	13121 0103025	2616	944	824	66	34	0
	Totals:		30838	10738	9440	972	253	33

Fairburn Road Dump Site
Douglas County, GA

Feb 12, 1993

City	Census Tract ID	Tract People	House Count	Public Water	Drilled Wells	Dug Wells	Other Wells
Atlanta	13121 0103018	1168	406	139	194	72	7
Atlanta	13121 0103021	2902	906	880	30	7	0
Atlanta	13121 0103022	2296	791	811	7	6	0
Atlanta	13121 0103016	1439	549	435	80	8	0
Atlanta	13121 0103017	429	216	163	49	15	8
Atlanta	13121 0103025	2616	944	824	66	34	0
Atlanta	13121 0103023	48	27	37	0	0	0
Atlanta	13121 0103024	1091	385	309	47	0	0
	Sub Totals:	11989	4224	3598	473	142	15
Bill Arp	13097 0805044	2021	685	568	140	19	0
Bill Arp	13097 0805043	4188	1417	1277	88	4	6
	Sub Totals:	6209	2102	1845	228	23	6
Lithia	13097 0801986	130	46	0	39	6	0
Lithia	13097 0806022	2248	809	789	55	0	0
Lithia	13097 0801985	125	65	26	18	5	12
Lithia	13097 0806024	141	53	38	17	0	0
Lithia	13097 0806023	311	124	125	0	14	0
Lithia	13097 0802 5	3831	1341	1274	16	15	0
Lithia	13097 0806011	1260	434	394	16	0	0
L ia	13097 0806012	2817	942	894	26	0	0
Lithia	13097 0806014	299	113	57	29	35	0
Lithia	13097 0806015	313	109	55	49	0	0
Lithia	13097 0806016	981	312	304	0	0	0
Lithia	13097 0806021	184	64	41	6	13	0
	Sub Totals:	12640	4412	3997	271	88	12

Fairburn Road Dump Site
Douglas County, GA

Feb 12, 1993

For Radius of 4 Mi., Circle Area = 50.265482

No.	City	Block Group ID	Total Area	Partial Area	% Within Radius
1	Lithia	13097 8025	3.350849	0.371207	11.08
2	Lithia	13097 801985	2.807955	1.034684	36.85
3	Lithia	13097 801986	2.713740	2.503446	92.25
4	Bill Arp	13097 805043	17.312460	0.302592	1.75
5	Bill Arp	13097 805044	6.344971	3.097028	48.81
6	Lithia	13097 806011	2.928118	0.096424	3.29
7	Lithia	13097 806012	3.149606	2.446624	77.68
8	Lithia	13097 806014	3.266172	3.266172	100.00
9	Lithia	13097 806015	2.608335	2.608335	100.00
10	Lithia	13097 806016	1.418345	1.398451	98.60
11	Lithia	13097 806021	4.956570	4.934366	99.55
12	Lithia	13097 806022	2.018689	1.763781	87.37
13	Lithia	13097 806023	0.894397	0.894397	100.00
14	Atlanta	13121 103025	9.253641	0.446809	4.83
15	Atlanta	13121 103016	6.009391	3.277205	54.53
16	Atlanta	13121 103017	9.028063	8.506675	94.22
17	Atlanta	13121 103018	17.330915	0.864307	4.99
18	Atlanta	13121 103021	3.142375	0.166839	5.31
19	Atlanta	13121 103022	6.381183	3.169111	49.66
20	Atlanta	13121 103023	3.939585	3.072137	77.98
21	Atlanta	13121 103024	6.105549	3.847553	63.02
`	Lithia	13097 806024	1.656744	1.656744	100.00
	Totals:		116.617653	49.724895	

For Radius of 3 Mi., Circle Area = 28.274334

No.	City	Block Group ID	Total Area	Partial Area	% Within Radius
2	Lithia	13097 801985	2.807955	0.418746	14.91
3	Lithia	13097 801986	2.713740	1.126495	41.51
5	Bill Arp	13097 805044	6.344971	0.292917	4.62
7	Lithia	13097 806012	3.149606	1.124686	35.71
8	Lithia	13097 806014	3.266172	2.965096	90.78
9	Lithia	13097 806015	2.608335	2.464743	94.49
10	Lithia	13097 806016	1.418345	0.406699	28.67
11	Lithia	13097 806021	4.956570	4.042350	81.56
12	Lithia	13097 806022	2.018689	0.243076	12.04
13	Lithia	13097 806023	0.894397	0.894397	100.00
15	Atlanta	13121 103016	6.009391	1.935354	32.21
16	Atlanta	13121 103017	9.028063	5.732634	63.50
19	Atlanta	13121 103022	6.381183	1.506055	23.60
20	Atlanta	13121 103023	3.939585	2.268647	57.59
21	Atlanta	13121 103024	6.105549	1.075409	17.61
22	Lithia	13097 806024	1.656744	1.656744	100.00
	Totals:		63.299297	28.154049	

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For Radius of 2 Mi., Circle Area = 12.566371

No.	City	Block Group ID	Total Area	Partial Area	% Within Radius
2	Lithia	13097 801985	2.807955	0.007357	0.26
3	Lithia	13097 801986	2.713740	0.030164	1.11
8	Lithia	13097 806014	3.266172	0.685334	20.98
9	Lithia	13097 806015	2.608335	1.948867	74.72
11	Lithia	13097 806021	4.956570	2.110399	42.58
13	Lithia	13097 806023	0.894397	0.894397	100.00
15	Atlanta	13121 103016	6.009391	0.479085	7.97
16	Atlanta	13121 103017	9.028063	4.086775	45.27
19	Atlanta	13121 103022	6.381183	0.370418	5.80
20	Atlanta	13121 103023	3.939585	1.256963	31.91
22	Lithia	13097 806024	1.656744	0.696610	42.05
	Totals:		44.262138	12.566371	

For Radius of 1 Mi., Circle Area = 3.141593

No.	City	Block Group ID	Total Area	Partial Area	% Within Radius
9	Lithia	13097 806015	2.608335	0.589044	22.58
13	Lithia	13097 806023	0.894397	0.557970	62.38
16	Atlanta	13121 103017	9.028063	0.692739	7.67
20	Atlanta	13121 103023	3.939585	0.288844	7.33
22	Lithia	13097 806024	1.656744	1.012997	61.14
	Totals:		18.127125	3.141593	

For Radius of .5 Mi., Circle Area = 0.785398

No.	City	Block Group ID	Total Area	Partial Area	% Within Radius
9	Lithia	13097 806015	2.608335	0.151228	5.80
13	Lithia	13097 806023	0.894397	0.185398	20.73
16	Atlanta	13121 103017	9.028063	0.041731	0.46
20	Atlanta	13121 103023	3.939585	0.027897	0.71
22	Lithia	13097 806024	1.656744	0.379144	22.88
	Totals:		18.127125	0.785398	

Fairburn Road Dump Site
Douglas County, GA

Feb 12, 1993

For Radius of .25 Mi., Circle Area = 0.196350

No.	City	Block Group ID	Total Area	Partial Area	% Within Radius
9	Lithia	13097 806015	2.608335	0.005326	0.20
13	Lithia	13097 806023	0.894397	0.042923	4.80
22	Lithia	13097 806024	1.656744	0.148100	8.94
	Totals:		5.159477	0.196350	

Fairburn Road Dump Site
Douglas County, GA

Feb 12, 1993

========== Site Data ==========

Population:	11451.19
Households:	4070.65
Drilled Wells:	421.36
Dug Wells:	107.41
Other Wells:	12.41

========== Partial (RING) data ==========

---- Within Ring: 4 Mile(s) and 3 Mile(s) ----

Population:	7060.58
Households:	2468.19
Drilled Wells:	218.78
Dug Wells:	33.40
Other Wells:	5.54

** Population On Private Wells: 721.39

---- Within Ring: 3 Mile(s) and 2 Mile(s) ----

Population:	3186.10
Households:	1127.01
Drilled Wells:	120.73
Dug Wells:	39.27
Other Wells:	3.22

** Population On Private Wells: 452.33

---- Within Ring: 2 Mile(s) and 1 Mile(s) ----

Population:	817.16
Households:	322.51
Drilled Wells:	56.62
Dug Wells:	24.85
Other Wells:	3.04

** Population On Private Wells: 206.44

---- Within Ring: 1 Mile(s) and .5 Mile(s) ----

Population:	270.15
Households:	107.59
Drilled Wells:	18.26
Dug Wells:	6.91
Other Wells:	0.58

** Population On Private Wells: 63.21

---- Within Ring: .5 Mile(s) and .25 Mile(s) ----

Population:	89.04
Households:	34.43
Drilled Wells:	5.34
Dug Wells:	2.30
Other Wells:	0.04

** Population On Private Wells: 19.75

---- Within Ring: .25 Mile(s) and 0 Mile(s) ----

Population:	28.17
Households:	10.91
Drilled Wells:	1.62
Dug Wells:	0.67
Other Wells:	0.00

** Population On Private Wells: 5.92

** Total Population On Private Wells: 1469.04

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CENTER
VINT HILL FARMS STATION
BUILDING 166, BICHER ROAD
WARRENTON, VIRGINIA 22186-5129

November 20, 1991

MEMORANDUM

SUBJECT: Transmittal of Final Report, TS-PIC-91121, Fairburn Road Dump, Douglas County, Georgia

FROM: Gordon E. Howard, Jr.
Environmental Scientist
Environmental Photographic Interpretation Center
Advanced Monitoring Systems Division

TO: Rebecca B. Kemp
Remote Sensing Coordinator
Information Services Staff
Region 4

Attached are three copies of the final report for the subject site. The analysis covered the time period 1968 through 1990. The following dates of photography are included for this effort:

December 6, 1968
February 27, 1970
March 29, 1978
March 19, 1985
April 8, 1990

A critique sheet is attached, which we request you fill out and return in the self-addressed envelope. If we can be of any additional help, please contact me at FTS 557-3110 or 703-349-8970. The Regional Project Manager for this site is John McKeown.

Attachments (4)

cc: (w/o attachment)
J. Montanari, ORD, Reg. 4
J. McKeown, Reg. 4

by
Festus T. Olayinka
The Bionetics Corporation
Warrenton, Virginia 22186

Contract No. 68-03-3532

Project Officer
Gordon E. Howard, Jr.
Environmental Photographic Interpretation Center
Environmental Monitoring Systems Laboratory
Warrenton, Virginia 22186, FTS 557-3110

ENVIRONMENTAL MONITORING SYSTEMS LABORATORY
OFFICE OF RESEARCH AND DEVELOPMENT
U.S. ENVIRONMENTAL PROTECTION AGENCY
LAS VEGAS, NEVADA 89193-3478

NOTICE

This document has undergone a technical and quality control/ assurance review and approval by personnel of the EPA/ORD Environmental Monitoring Systems Laboratory at Las Vegas (EMSL-LV), and is for internal Agency use and distribution only.

waste disposal, witnessed by the neighboring residents, has occurred along the west bank of the Chattahoochee River. Some of the wastes at this dump may have come from the Young Refinery in the vicinity.

Findings include mounded materials, some of which may be spoils from extracted, mined and/or dredged-out materials; ground scarring, which may indicate past burial and/or ground disturbance; probable and possible fill areas; and possible refuse. Excavations, possible trenches and vegetation clearing are also noted.

Evidence of waste disposal is not seen in this analysis; however, the aforementioned findings may not be unrelated to the probable extraction, mining and/or dredging operations noted in the eastern portion of the site.

The EPA's Environmental Photographic Interpretation Center in Warrenton, Virginia, a branch of the Advanced Monitoring Systems Division of the Environmental Monitoring Systems Laboratory in Las Vegas, Nevada, performed this analysis at the request of the Superfund Support Section of EPA Region 4 in Atlanta, Georgia, and the Office of Emergency and Remedial Response in Washington, D.C. This analysis covers the period between 1968 and 1990, and the report was completed in November 1991.

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Conclusion and Discussion. 14
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FIGURES

1. Location Map v
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UNSCANNABLE

MEDIA

(PHOTOGRAPHS)

Pre-remedial efforts. This analysis also focuses on the location of the dump and associated features such as drums, refuse, etc.

Figure 1 shows the site location, keyed to a photocopy of two U.S. Geological Survey (USGS) 1:24,000-scale topographic maps. Site boundaries or areas used in this analysis were determined from observations made from the aerial photography in conjunction with collateral data supplied by EPA Region 4 and do not necessarily denote legal property lines or ownership.

Aerial photography of the Fairburn Road Dump was obtained to represent the period from 1968 to 1990.[2] Black and white photography from 1968, 1970, 1974, 1978, 1985, and 1990; and color infrared photography from 1981 and 1988 were used for this analysis. Photography from 1974 was similar to that of 1970; thus, the former was analyzed but not reproduced for this report. Photography from 1981 was analyzed but not reproduced for this report due to its small scale and poor resolution, while that from 1988 was also analyzed but not reproduced because it did not differ significantly from the 1990 photography. Any significant features noted in those years will be annotated and discussed in the following year of photography reproduced in this report.

The alleged waste disposal, witnessed by the neighboring residents, occurred along the west bank of the Chattahoochee

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[1]Collateral information supplied by EPA Region 4. Hereafter, an asterisk (*) denotes collateral information obtained from EPA Region 4.

[2]A complete listing of maps and photography used in this report is provided in the References section.

vegetation are also noted.

Activities and findings observed within the site, especially along the eastern portion, do not appear to be disposal or dumping of wastes. Rather, they appear to be related to probable extraction, mining and/or possible dredging activities along the Chattahoochee River. Furthermore, these findings may not be exclusively extraction- or dredging-related; any other inherent operations in this area are not discernible from this analysis.

The EPA's Environmental Photographic Interpretation Center in Warrenton, Virginia, a branch of the Advanced Monitoring Systems Division of the Environmental Monitoring Systems Laboratory in Las Vegas, Nevada, performed this analysis at the request of the Superfund Support Section of EPA Region 4 in Atlanta, Georgia, and the Office of Emergency and Remedial Response in Washington, D.C. This analysis covers the period from 1968 to 1990, and the report was completed in November 1991.

with viewing at various magnifications, enables the analyst to identify signatures associated with different features and environmental conditions. The term "signature" refers to a combination of visible characteristics (such as color, tone, shadow, texture, size, shape, pattern, and association) which permit a specific object or condition to be recognized on aerial photography.

Photographic prints were made from those years of aerial photographic coverage that reveal significant information about the site. The analyst's findings are annotated on overlays to prints and/or base maps and described in the accompanying text. Site boundaries or areas used in this analysis were determined from observations made from the aerial photography in conjunction with collateral data supplied by EPA Region 4 and do not necessarily denote legal property lines or ownership.

Due to factors inherent in the photographic printing process, prints do not exhibit the level of detail that is visible in the original aerial photography. Therefore, some features identified from the aerial photography may not be clearly discernible, or even visible, on the photographic prints presented in this report.

The terms "possible" and "probable" are used to indicate the degree of certainty of signature identification. "Possible" is used when only a few characteristics are discernible or these characteristics are not unique to a signature. "Probable" is used when incrementally more characteristics are discernible. No qualifying terms are used when the characteristics of a signature allow for a definite feature identification.

west bank of the Chattahoochee River. The mounded materials, which may be spoils from extracted and/or dredged-out materials, appear light-toned, while the vertical objects exhibit different shapes. A crane-like object (not annotated) is seen between the mounded materials and the river. Trailer-like objects and vehicles (neither annotated) are also visible in this area. This particular portion of the site is on the eastern slope of a hillock (not annotated) and was supposedly subjected to dumping activities.* Barges and other flotation objects (neither annotated), which may be related to the probable extraction and/or possible dredging operations, are observed on the Chattahoochee River, adjacent to the area of mounded materials.

The activity in the southeastern portion of the site appears similar to that described for the east central portion. An excavation (EX), linear mounded material, and vertical objects are visible in this area. The non-wooded, probably cleared area (not annotated) to the west and northwest of the excavation remains visible throughout the rest of this analysis and will not be discussed.

The suspected and channelized drainage paths within and outside the site lead generally east toward the Chattahoochee River; however, the directions of surface runoff from the site are similar to slope orientation of the near-symmetrical hillock in the center of the site. The channelized drainage along the western boundary of the site flows south toward Fairburn Road.

UNSCANNABLE

MEDIA

(PHOTOGRAPHS)

March 29, 1978	ASCS[4]	13097	178:62,63	1:40,000	35830:103,104
February 24, 1981	USGS	NHAP80	363:160-162	1:58,000	35949-35951
March 19, 1985	GAS[5]	---	13:522,523	1:31,200	35941,35942
February 7, 1988	USGS	NAPP	721:118-120	1:40,000	35952-35954
April 8, 1990	GAS	---	4032,4033	1:31,200	35943,35944

MAPS

Source	Name	Scale	Date
USGS	Campbellton, GA	1:24,000	1982
USGS	Ben Hill, GA	1:24,000	1982

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[1]U.S. Geological Survey, U.S. Department of the Interior

[2]Williams Photographic, Inc., Ballground, Georgia

[3]Georgia Department of Transportation, Atlanta, Georgia

[4]Agricultural Stabilization and Conservation Service, U.S. Department of Agriculture

[5]Georgia Aerial Surveys, Inc., Smyrna, Georgia

Lat - 33° 41' 49"
Long - 84° 38' 00"

VIEW EVENT COMMENTS

GAD984295196

REF NO.: 05680 EPA ID: ~~GAD991278494~~
OPUNIT: 00 SITE NAME: FAIRBURN ROAD-CHATTAHO
EVENT: DS1 EVENT NAME: DISCOVERY

COMM ID	LINE NO.	COMMENTS	TYPE
001	01	SITE IS LOCATED ALONG THE NORTH SIDE OF FAIRBURN ROAD IN	
001	02	DOUGLAS COUNTY. THE SITE IS AN ALLEGED DUMPSITE ALONG THE	
001	03	WESTERN BANK OF THE CHATTAHOOTCHIE RIVER ON THE NORTH SIDE	
001	04	OF FAIRBURN ROAD DIRECTLY ACROSS THE FULTON COUNTY LINE.	
001	05	MS ELIZABETH TEAL OF DOUGLASVILLE GEORGIA CLAIMS TO HAVE	
001	06	WITNESSED DUMPING BY MR BARTLETT HULSEY, ALSO OF	
001	07	DOUGLASVILLE. THIS CLAIM IS SUBSTANTIATED BY SIMILIAR	
001	08	CLAIMS BY OTHER COUNTY RESIDENTS INCLUDING MS PAMELA	
001	09	BLOCKEY O'BRIEN. IT IS BELIEVED THAT AT LEAST SOME OF THE	
001	10	WASTE ORIGINATED FROM YOUNG REFINERY IN DOUGLASVILLE. J	
001	11	MCKEOWN 6/21/91	

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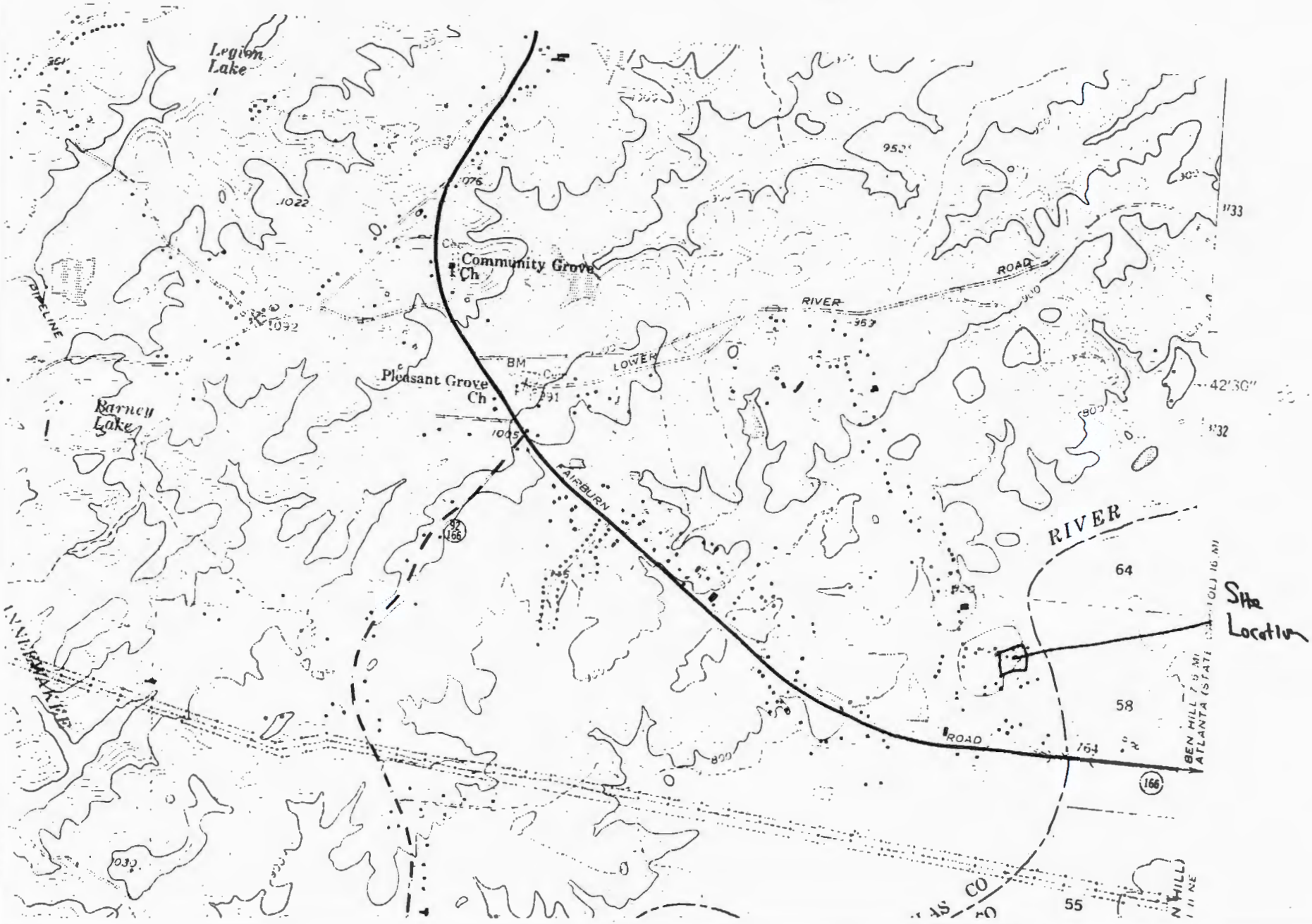
VIEW EVENT COMMENTS

REF NO.: 05680 EPA ID:
OPUNIT: 00 SITE NAME: FAIRBURN ROAD-CHATTAHO
EVENT: DS1 EVENT NAME: DISCOVERY



Legion Lake
Community Grove Ch
Pleasant Grove Ch
Barney Lake
PIPELINE
LOWER
RIVER
ROAD
AIRBURN
RIVER
ROAD
Site Location
64
58
55
42'30"

VIEW SITE SUMMARY SCREEN 1 OF 2

REF NO.:	05680
EPA ID:	GAD984295196
IFMS ID NO.:	04
NAME:	FAIRBURN ROAD-CHATTAHOOTCHIE DUMP
STREET:	FAIRBURN ROAD
CITY:	DOUGLASVILLE
STATE:	GA
ZIP CODE:	30135-
COUNTY NAME:	DOUGLAS
COUNTY CODE:	097
CONGRESS DISTRICT:	06
FED FACILITY INDIC:	N
OWNER INDICATOR:	UN
RCRA FLAG:	
LATITUDE:	33 41 49.0
LONGITUDE:	084 38 00.0
LAT/LONG SOURCE:	R
INCIDENT TYPE:	
USGS HYDRO UNIT:	03130002
METROSTAT AREA:	0520
NPL STATUS INDIC:	N
COST RECOVERY INDIC:	E
CATEGORY:	
SITE CLASSIFICATION:	ND
FED FACILITY DOCKET:	F
STATE PRP:	N
FED AGENCY PRP:	N
MUNICIPAL PRP:	N
S/I DIOXIN TIER:	
PROPOSED NPL UPDATE NO.:	00
FINAL NPL UPDATE NO.:	00

Menu options Forward Leave [M]