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Spills - SP
ERP - E
VCP - V
BCP - C

ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PHASE I INVESTIGATION

J.T. Salvage — Site No. 932074

Town of Porter — Niagara County

Date: January 1986

Prepared for:

New York State Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233

Henry G. Williams, *Commissioner*

Division of Solid and Hazardous Waste

Norman H. Nosenchuck, P.E., *Director*

By:

ENGINEERING-SCIENCE

In Association With

DAMES & MOORE

ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES IN THE STATE OF NEW YORK PHASE I INVESTIGATIONS

J & T AUTOMOTIVE SALVAGE
NYS SITE NUMBER 932074
TOWN OF PORTER
NIAGARA COUNTY
NEW YORK STATE

Prepared For

DIVISION OF SOLID AND HAZARDOUS WASTE
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 WOLF ROAD
ALBANY, NEW YORK 12233-0001

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BALDWINSVILLE, NEW YORK 13027

DATE OF SUBMITTAL: JANUARY, 1986

J & T AUTOMOTIVE SALVAGE

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SECTION I

EXECUTIVE SUMMARY

J & T AUTOMOTIVE SALVAGE

This report, prepared for the New York State Department of Environmental Conservation (NYSDEC), presents the results of the Phase I investigation for the J & T Automotive Salvage site (NYS Site Number 932074, EPA Site Number D00014158) located in the Town of Porter, Niagara County, New York (see Figure I-1).

SITE BACKGROUND

The 10-acre site has been owned by Charles Boos since 1975. From 1963 to 1975 it was owned by John S. Kulck. For approximately 20 years, the site has been used as an automotive junkyard. Due to the muddy nature of the site, an estimated 5400 cubic yards of fill (primarily demolition debris and bottom ash) have been spread on-site to stabilize the roads (ES and D&M, 1985). A site plan of the J & T Automotive Salvage yard is presented in Figure I-2.

A single soil sample collected by the NYSDEC in March of 1982 detected several heavy metals. Polynuclear aromatic hydrocarbons were also found on-site and are presumably present as a result of oil leaks from junked cars (NYSDEC, 1982). HNU meter readings taken during the ES and D&M site inspection did not detect volatile organics in concentrations greater than 1 ppm. There are no known health problems associated with the site.

ASSESSMENT

In an attempt to quantify the risk associated with this site, the Hazard Ranking Scoring system (HRS) was applied as currently being used by the New York State DEC to evaluate abandoned hazardous waste sites in New York State. This system takes into account the types of wastes at the site, receptors, and transport routes to apply a numerical ranking of the site. As stated in 40 CFR Subpart H Section 300.81, the HRS scoring system was developed to be used in evaluating the relative potential of uncontrolled hazardous substance facilities to cause health or safety problems or ecological or environmental damage. It is assumed by the EPA that a uniform application of the ranking system in each state will permit EPA to identify those releases of hazardous substances that pose the greatest hazard to humans or the environment.

Under the HRS, three numerical scores are computed for each site, to express the relative risk or danger from the site, taking into account the population at risk, the potential for contamination of drinking water supplies, for direct human contact, and for destruction of sensitive ecological systems and other appropriate factors. The three scores are:

- S_M reflects the potential for harm to humans or the environment from migration of a hazardous substance away from the facility by routes involving groundwater, surface water or air. It is a composite of separate scores for each of the three routes (S_{GW} = groundwater route score, S_{SW} = surface water route score, and S_A = air route score).

- S_{FE} reflects the potential for harm from substances that can explode or cause fires.

- S_{DC} reflects the potential for harm from direct contact with hazardous substances at the facility (i.e., no migration need be involved).

The preliminary HRS score was:

S_M	=	13.15	S_A	=	0
S_{GW}	=	22.67	S_{FE}	=	0
S_{SW}	=	1.95	S_{DC}	=	25.0

These scores reflect the use of groundwater as a private water supply by the nearby residents to the site and the open, uncovered nature of the waste.

RECOMMENDATIONS

The Phase II investigation for the J & T Automotive Salvage site should be conducted using a two step approach. Step 1 is intended to characterize the wastes disposed on-site. If contaminants are detected on-site during this portion of the study, additional monitoring activities will be conducted as outlined below.

Phase II - Step 1

- Waste characterization consisting of 6 auger test pits at various locations.

- Test pit samples taken at a depth of 2 to 3 feet and analyzed for priority pollutants.

Phase II - Step 2

- Geophysical study consisting of an electrical resistivity survey.

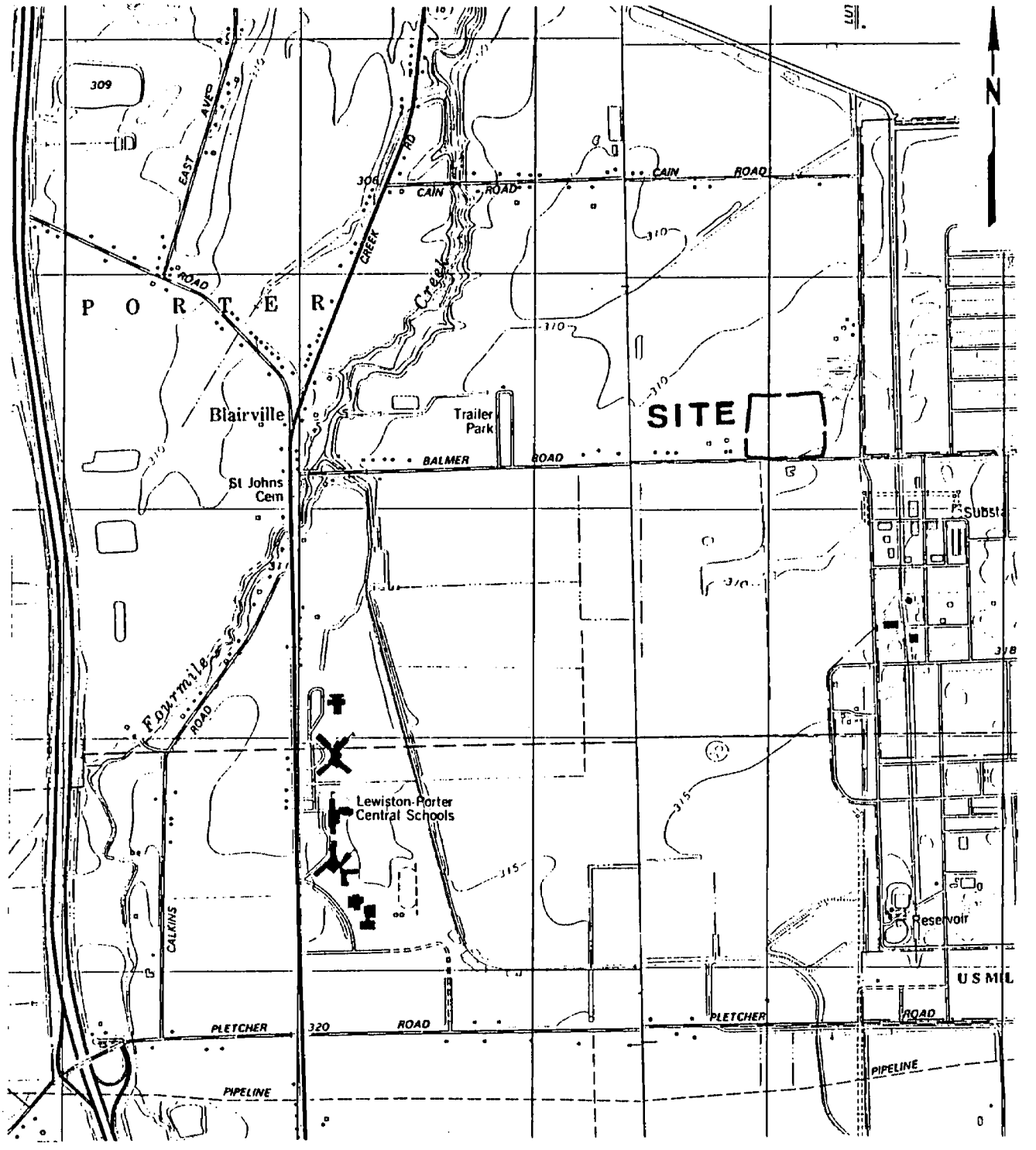
- Groundwater monitoring system consisting of one upgradient and two downgradient wells.

- Surface water and sediment monitoring system consisting of one monitoring station.

- Surface soil monitoring consisting of one monitoring station.

- Sample analyses to include priority pollutants.

The estimated man-hour requirements to complete Phase II are 1,026 while the estimated cost is $65,694.



LATITUDE: 43°13'56"
LONGITUDE: 79°00'36"

SCALE

0 1000 2000 3000 4000 FEET

REFERENCE: U.S.G.S. 7.5' Topographic Map
Lewiston, NY-ONT. (1980) and Ransomville, NY (1980) Quadrangles

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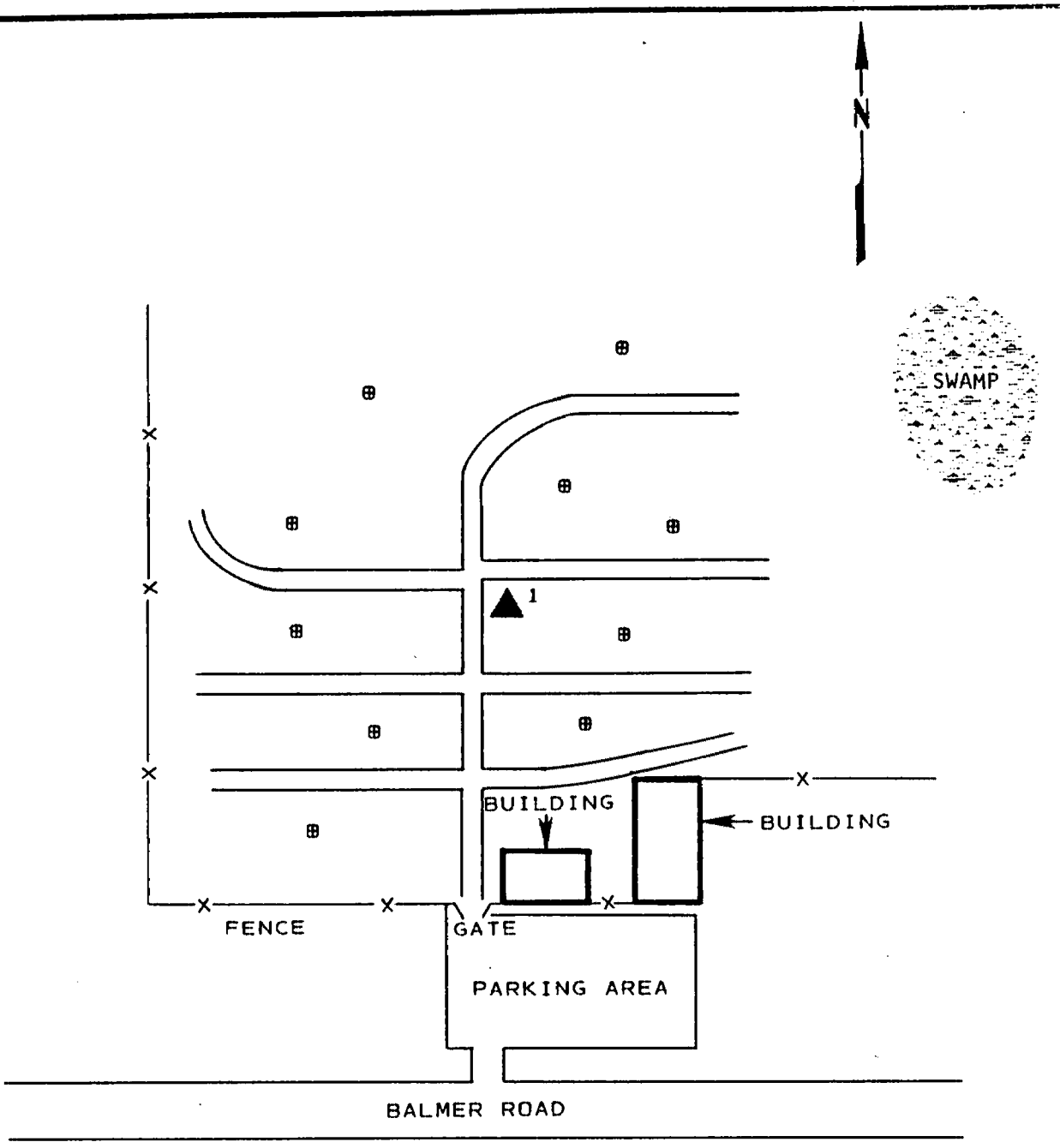
PHASE I REPORT

SITE LOCATION MAP

J.T. SALVAGE

FIGURE I-1



NOT TO SCALE

EXPLANATION:

⊕ NUMEROUS JUNKED AUTOMOBILES

▲ 1 WATER AND SOIL SAMPLE LOCATION

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PLOT PLAN

J.T. SALVAGE

FIGURE I-2

SECTION II

PURPOSE

The purpose of the Phase I investigation at the J & T Automotive Salvage site was to assess the hazard to the environment caused by the present condition of the site. This assessment is based on the Hazard Ranking System, which involves the compilation and rating of numerous geological, toxicological, environmental, chemical, and demographic factors and the calculation of an HRS score. Details of HRS implementation are included in Section V. During the initial portion of the investigation, available data and records, combined with information collected from a site inspection, were reviewed and evaluated. The investigation at this site focused on identifying the fill materials of industrial origin disposed on-site. Based on this initial evaluation of the J & T Automotive Salvage site, a Phase II Work Plan has been prepared for collecting any additional data needed to complete the HRS score. In addition, a cost estimate for the recommended Phase II work is provided.

SECTION III

SCOPE OF WORK

The scope of work for the New York State Inactive Site Investigation Program (Phase I) was to collect and review all available information necessary for the documentation and preparation of a Hazard Ranking System score and a Phase II work plan and cost estimate if required. The work activities performed included data collection and review, a site inspection, and interviews with knowledgeable individuals of past and present disposal activities at the site.

The sources contacted during this Phase I investigation included government agencies (federal, state and local), present site owners and operators, and any other individuals that may have knowledge of the site, as identified during the performance of the investigation. These sources are listed in Appendix A. The intent of the list is to identify all persons, departments, and/or agencies contacted during the third round of the Phase I investigations even though useful information may not have been collected from each source contacted.

SECTION IV

SITE ASSESSMENT

SITE HISTORY

Since 1975, the 10-acre J & T Automotive Salvage site has been owned and operated as an automotive junkyard by Charles Boos, of Youngstown, New York. From 1963 to 1975, the site was similarly operated under the ownership of John S. Kulck. Due to the muddy nature of the site, particularly in the spring and fall, both Mr. Kulck and Mr. Boos have attempted to stabilize the onsite roads by adding fill materials (ES and D&M, 1985).

Before 1975, fill material was largely comprised of cinders; however, they still did not provide sufficient stability. When Mr. Boos acquired the site, he began receiving a mixture of "hard" fill, including fire brick, brick demolition debris, bottom ash, etc. Much of the wastes, particularly bottom ash, fire brick and furnace sand were from the Carborundum Company located on Buffalo Avenue in Niagara Falls, NY. Fill operations conducted primarily from 1978 to 1980, occurred over approximately one-third of the site (Boos, 1984).

Mr. Boos recently applied to the New York State Department of Environmental Conservation for a permit to dispose of demolition debris at the site; the NYSDEC has not yet acted upon this request (Boos, 1976 and 1984; NYSDEC, 1985).

SITE TOPOGRAPHY

The J & T Automotive Salvage site is located in a rural area within the Town of Porter, Niagara County, New York. The original ground surface was a low-lying field with poor drainage. Presently, the ground surface is covered by approximately 1 foot of hard fill. Other materials on the site include numerous scrap cars and parts of scrap cars. There are also two buildings on the site.

Across the road and approximately 1/2 mile to the east of the site is S.C.A. Chemical. Three miles further to the southeast is a nuclear storage site. Adjacent to the site to the southeast is property used as farmland by the site owner. Farmland is also located to the southwest, to the west, and to the north of the site. Approximately one mile to the west is a trailer park with approximately 50 trailers. All residents of the area use municipal water (Town of Porter, 1985) except for those within approximately one mile of the site. However, the number of people within one mile totals approximately 25 people. Municipal water may be made available in the near future to these nearby residents.

The site is rectangular in shape, approximately 10 acres. Surface water on the site occurs as small puddles and accumulations between filled areas. Drainage direction is primarily to the east into a low-lying field.

SITE HYDROLOGY

This summary is based on information from USGS Topographic Maps, NYS Museum and Science Service Bedrock Geology Map and Quaternary Map, and the Niagara County Health Department Site Profile Report.

Regional Geology and Hydrology

The site is located in the Erie-Ontario lowlands physiographic province. The bedrock of this region is predominantly limestone, dolostone, and shale. Most of the rocks are deep aquifers with regional flow to the south.

In the recent past, most of New York State, including the site, has been repeatedly covered by a series of continental ice sheets. The activity of the glacier widened pre-existing valleys, and deposited widespread accumulations of till. The melting of ice, ending approximately 12,000 years ago, produced large volumes of meltwater; this water subsequently shaped channels and deposited thick accumulations of stratified, granular sediments.

As glacial ice retreated from the region, meltwater formed lakes in front of the ice margin. This region is covered by both lake sediments and morainal materials. Sediments associated with Lake Tonawanda are especially widespread in this region. Lake Tonawanda was a shallow elongate lake which occupied an east-west valley and drained north into Lake Iroquois. The sediments consist of beach ridges and lacustrine silts and clays (indicating quiet or deeper water deposition).

Granular deposits in this region frequently act as shallow aquifers, whereas lacustrine clays, as well as tills, often inhibit groundwater movement. However, fine-grained, water-lain sediments, such as silts and clays, frequently contain horizontal laminations and sand seams. These internal features facilitate lateral groundwater movement through otherwise low permeability materials.

Site Hydrogeology

The bedrock beneath the site is expected to be Queenston Shale (NYS Museum & Science Service, Bedrock Geology Map, Map and Chart Series No. 15). Depth to bedrock is unknown. The thick, relatively flat-lying rock unit is typically unfractured and forms a low-yield aquifer.

Several nearby residences have private water supply wells in this aquifer.

The soils above the shaley bedrock are expected as follows (USDA Soil Survey of Niagara County, 1972):

- o Fine sandy loam.
- o Silt loam
- o Top of rock.

The low permeability of most of these soils precludes the existence of a soil aquifer. The natural surface soils on this site are poorly drained and create swampy areas around the site (NYSDOT Engineering Guide to Soil Series of New York, 1974).

Site Contamination

The J & T Automotive Salvage site has been filled with hard fill materials to stabilize the junk yard's roads. An estimated 5,400 cubic yards of material have been filled at the site (ES and D&M, 1985) since the junk yard began operation in 1963. Approximately 40% of this material is debris from demolished brick buildings; 50% is bottom ash from the Carborundum Co., 5% is road construction debris; and 5% is a mixture of broken vitrified grinding wheels, kiln furniture, broken fire brick, furnace sand and coal (Boos, 1984).

On March 19, 1982, the NYSDEC collected soil and water samples from a single sampling station (see Figure IV-1). The depth at which the soil sample was collected from the on-site fill is not known. Analytical results showed the presence of two heavy metals and polynuclear aromatic hydrocarbons in the soil; 0.32 mg/liter of total recoverable phenolics in the standing water sample. Two heavy metals were found to be in high concentrations including cadmium and lead. Aluminum was also found in high concentrations. Based on the known nature of fill materials used at the site, the presence of polynuclear aromatic hydrocarbons in the site soil is probably due to the presence of spilled oil.

Table IV-1 presents the results for selected parameters for the soil analyses conducted. It should be noted that this one sampling event is not sufficient to characterize the entire volume of fill disposed of on the 10-acre site. Also, the scrap yard activities may affect the results of on-site monitoring as compared to former disposal/filling operations.

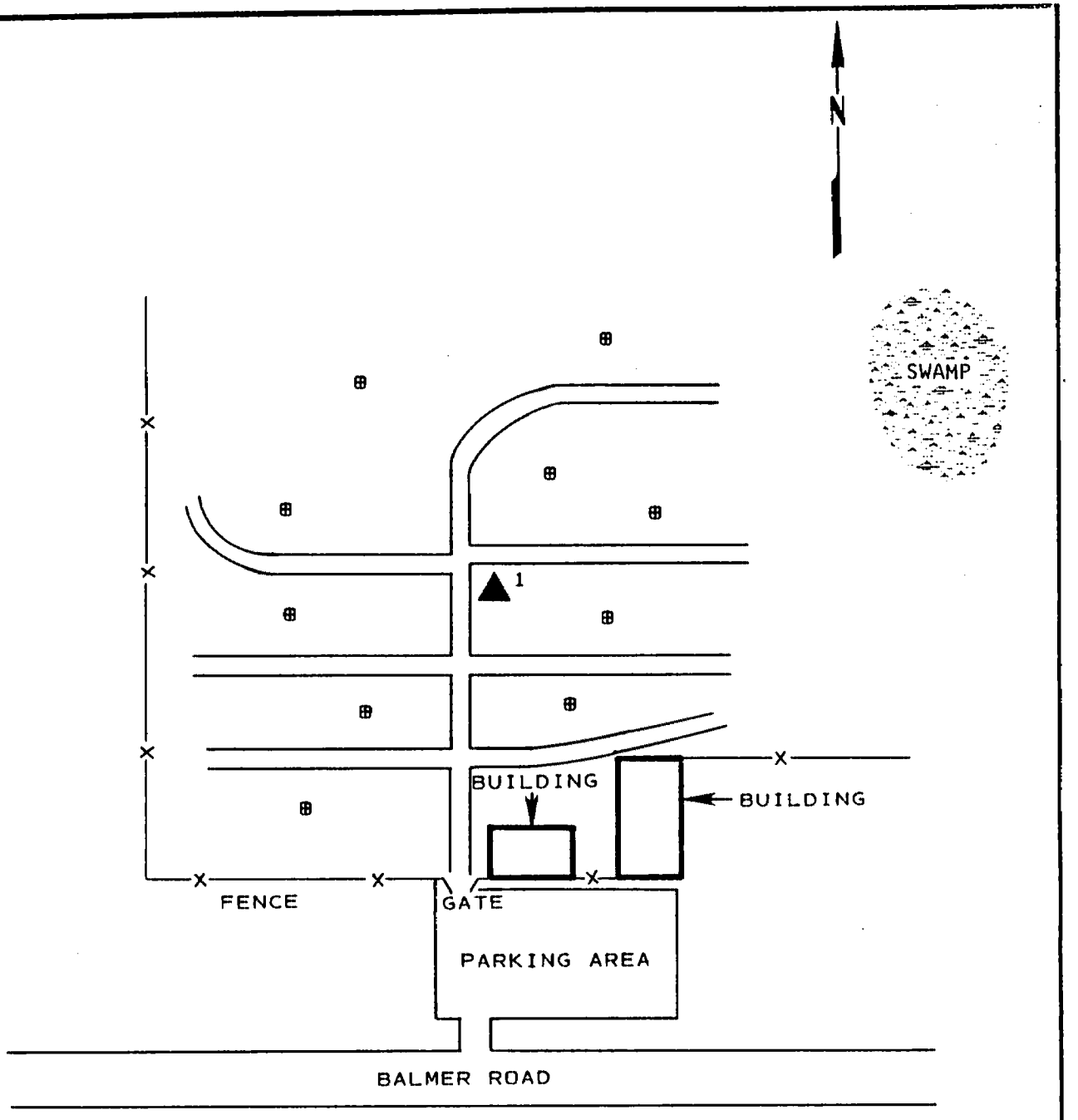
An HNU meter was used during the ES and D&M site inspection, 3/18/85, to determine the presence of volatile organic compounds at the site. All measurements were below one part per million. Some surface discoloration, presumably due to the presence of sand, cinders, and oil, was observed during the inspection.

TABLE IV-1

CONCENTRATIONS OF SELECTED METALS AND ORGANIC COMPOUNDS IN SOIL SAMPLE AT THE J & T AUTOMOTIVE SALVAGE SITE

Parameter	Concentration (ug/g)
Aluminum	53,000
Cadmium	1.2
Copper	22
Chromium, Total	5.7
Lead	26
Mercury	< 0.2
Nickel	57
Zinc	99
Benzo-a-pyrene	69
Benzo-b-fluoranthane	57
Benzo-g,h,i-perylene	57
Dibenzo-a,h-anthracene	66
Fluoranthene	53
Pyrene	58
Chrysene	42

Source: RECRA Research, 4/29/82



NOT TO SCALE

EXPLANATION:

⊕ NUMEROUS JUNKED AUTOMOBILES

▲ 1 WATER AND SOIL SAMPLE LOCATION

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PLOT PLAN

J.T. SALVAGE

FIGURE IV-1

PRELIMINARY APPLICATION OF HAZARD RANKING SYSTEM

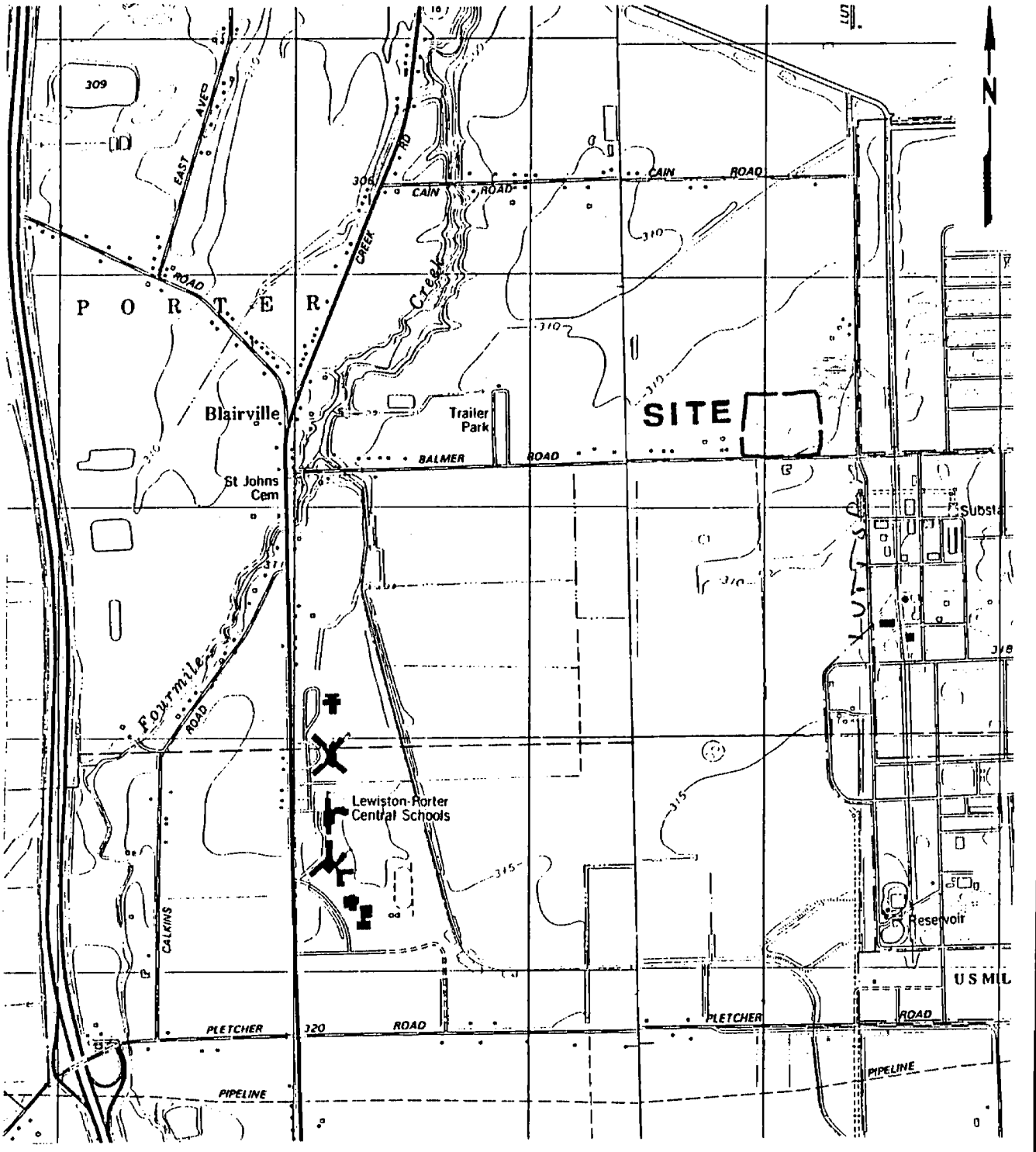
NARRATIVE SUMMARY

The 10-acre J & T Automotive Salvage site is located in the Town of Porter, Niagara County, New York. The site was operated as an automotive junkyard by John S. Kulck from 1963 to 1975, when he sold it to Charles Boos of Youngstown, NY. The site has continued as a junkyard under Mr. Boos' ownership.

Due to the muddy nature of the site, both Mr. Kulck and Mr. Boos have spread fill material on-site to stabilize the junk yard's roads. Prior to 1975, fill material was comprised primarily of cinders; while from 1978 to 1980, harder materials (e.g., demolition and road construction debris, bottom ash, etc.) were used (Boos, 1984). An estimated one-third of the 10-acre site has been filled to a depth of one foot. It is therefore estimated that approximately 5,400 cubic yards of fill material were used (ES and D&M, 1985).

Soil samples collected by the NYSDEC in March 1982 detected high concentrations of several heavy metals (i.e., cadmium, 1.2 ug/g; and lead, 26 ug/g). Aluminum was also found in high concentrations (53,000 ug/g). Several organic constituents (polynuclear aromatic hydrocarbons) were also detected at concentrations ranging from 42 to 66 ug/g. These organic compounds are typically found in soils contaminated with waste oil as exists at the J & T Automotive Salvage site. Additionally, a surface water sample collected in the same area of the site detected the presence of total recoverable phenolics at 0.32 mg/liter (RECRA Research, 1982). HNU measurements taken during the ES and D&M site visit were all less than 1 part per million. Oily stains were observed during the site visit.

Several nearby residences in the vicinity of the J & T Automotive Salvage site have private water supply wells. No cleanup or enforcement actions have been taken at the site as a result of previous disposal practices. No environmental or health problems are known to exist at the site.



LATITUDE: 43°13'56"
LONGITUDE: 79°00'36"

SCALE
0 1000 2000 3000 4000 FEET

REFERENCE: U.S.G.S. 7.5' Topographic Map
Lewiston, NY-ONT. (1980) and Ransomville,
NY (1980) Quadrangles

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SITE LOCATION MAP

J.T. SALVAGE

FIGURE ii-1

HRS COVER SHEET

Facility Name: J & T Automotive Salvage

Location: 1209 Balmer Road, Porter, NY 14174

EPA Region:

Person(s) in charge of the facility: Charles Boos, Owner

Name of Reviewer: S. J. Tiffany Date: 4/8/85

General Description of the facility:

The 10-acre site has been an automotive junkyard for approximtely 20 years. It has received an estimated 5400 cubic yards of primariy inert fill material. Previous soil sampling indicates the presence of heavy metals in high concentrations. Polynuclear aromatic hydrocarbons (PNAs), typically found in oil contaminated soils, were also detected on-site.

Scores: S_M = 13.15 (S_{gw} = 22.67 S_{sw} = 1.95 S_a = 0)

S_{FE} = 0

S_{DC} = 25.00

Facility Name: J & T Auto SALVAGE Date: 5/23/85

Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	3.1
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					3.2
Depth to Aquifer of Concern	0 1 2 (3)	2	6	6	
Net Precipitation	0 1 (2) 3	1	2	3	
Permeability of the Unsaturated Zone	0 (1) 2 3	1	1	3	
Physical State	0 1 2 (3)	1	3	3	
Total Route Characteristics Score			12	15	
3 Containment	0 1 2 (3)	1	3	3	3.3
4 Waste Characteristics					3.4
Toxicity/Persistence	0 3 6 9 12 15 (18)	1	18	18	
Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score			19	26	
5 Targets					3.5
Ground Water Use	0 1 2 (3)	3	9	9	
Distance to Nearest Well/Population Served	0 4 6 8 (10) 12 16 18 20 24 30 32 35 40	1	10	40	
Total Targets Score			19	49	
6 If line 1 is 45, multiply 1 x 4 x 5. If line 1 is 0, multiply 2 x 3 x 4 x 5			12,996	57,330	
7 Divide line 6 by 57,330 and multiply by 100			S_{gw} = 22.67		

GROUND WATER ROUTE WORK SHEET

Facility Name: J & T Auto SALVAGE Date: 5/23/85

Surface Water Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	4.1
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					4.2
Facility Slope and Intervening Terrain	(0) 1 2 3	1	0	3	
1-yr. 24-hr. Rainfall	0 1 (2) 3	1	2	3	
Distance to Nearest Surface Water	0 1 2 (3)	2	6	6	
Physical State	0 1 2 (3)	1	3	3	
Total Route Characteristics Score			11	15	
3 Containment	0 1 2 (3)	1	3	3	4.3
4 Waste Characteristics					4.4
Toxicity/Persistence	0 3 6 9 12 15 (18)	1		18	
Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 8	1		8	
Total Waste Characteristics Score			19	26	
5 Targets					4.5
Surface Water Use	(0) 1 2 3	3	0	9	
Distance to a Sensitive Environment	0 (1) 2 3	2	2	6	
Population Served/ Distance to Water	(0) 4 6 8 10 12 16 18 20	1	0	40	
Intake Downstream	24 30 32 35 40				
Total Targets Score			2	55	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			1254	64,350	
7 Divide line 6 by 64,350 and multiply by 100			S_{sw} = 1.95		

SURFACE WATER ROUTE WORK SHEET

Facility Name: J+T Auto Salvage Date: 5/23/85

Air Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	5.1
Date and Location:					
Sampling Protocol:					
If line 1 is 0, the S_a = 0. Enter on line 5 ✓ If line 1 is 45, then proceed to line 2 .					
2 Waste Characteristics					5.2
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste	0 1 2 3 4 5 6 7 8	1		8	
Total Waste Characteristics Score				20	
3 Targets					5.3
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
Total Targets Score				39	
4 Multiply 1 x 2 x 3			0	35,100	
5 Divide line 4 by 35,100 and multiply by 100			S_a = 0		

AIR ROUTE WORK SHEET

Facility Name: J & T Auto Salvage Date: 5/23/85

Worksheet for Computing S_M

	S	S^2
Groundwater Route Score (S_{gw})	22.67	513.93
Surface Water Route Score (S_{sw})	1.95	3.80
Air Route Score (S_a)	0.0	0.0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		517.73
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		22.75
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		13.15

WORK SHEET FOR COMPUTING S_M

Facility Name: J+T Auto Salvage Date: 5/23/85

Fire and Explosion Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Containment	1 3	1	0	3	7.1
2 Waste Characteristics					7.2
Direct Evidence	0 3	1		3	
Ignitability	0 1 2 3	1		3	
Reactivity	0 1 2 3	1		3	
Incompatibility	0 1 2 3	1		3	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
Total Waste Characteristics Score				20	
3 Targets					7.3
Distance to Nearest Population	0 1 2 3 4 5	1		5	
Distance to Nearest Building	0 1 2 3	1		3	
Distance to Sensitive Environment	0 1 2 3	1		3	
Land Use	0 1 2 3	1		3	
Population Within 2-Mile Radius	0 1 2 3 4 5	1		5	
Buildings Within 2-Mile Radius	0 1 2 3 4 5	1		5	
Total Targets Score				24	
4 Multiply 1 x 2 x 3				1,440	
5 Divide line 4 by 1,440 and multiply by 100			S_{FE} = 0		

FIRE AND EXPLOSION WORK SHEET

Facility Name: JFT Auto Salvage Date: 5/23/85

Direct Contact Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Incident	(0) 45	1	0	45	8.1
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2 Accessibility	0 1 2 (3)	1	3	3	8.2
3 Containment	0 (15)	1	15		8.3
4 Waste Characteristics Toxicity	0 1 2 (3)	5	15	15	8.4
5 Targets					8.5
Population Within 1-Mile Radius	0 1 (2) 3 4 5	4	8	20	
Distance to a Critical Habitat	(0) 1 2 3	4	0	12	
Total Targets Score			8	32	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			5400	21,600	
7 Divide line 6 by 21,600 and multiply by 100			S_{DC} = 25.00		

DIRECT CONTACT WORK SHEET

DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM

FACILITY NAME: J & T Automotive Salvage

LOCATION: 1209 Balmer Road, Town of Porter, New York 14174

GROUNDWATER ROUTE

1. OBSERVED RELEASE

Contaminants detected (5 maximum):

Groundwater monitoring has not been conducted on-site (NYSDEC Registry, 1983).

Rationale for attributing the contaminants to the facility:

Not applicable.

* * *

2. ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) in concern:

Shale bedrock aquifer (Niagara County Department of Health [NCDOH] Site Profile Report).

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

Variable: 0'-20' to Bedrock due to low permeability of soil (Telephone Conversation with Mike Hopkins, NCDOH, 10/31/85).

Depth from the ground surface to the lowest point of waste disposal/ storage:

0' (ES and D&M site inspection, 3/18/85, and NCDOH Site Profile Report)

Net Precipitation

(US Department of Commerce, National Climatic Center, Climatic Atlas of the United States, 1979).

Mean annual or seasonal precipitation (list months for seasonal):

Mean annual precipitation is 36".

Mean annual lake or seasonal evaporation (list months for seasonal):

Mean annual lake evaporation is 27".

Net precipitation (subtract the above figures):

9" (36" - 27") = 9"

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Cosad, Madalin, Rhinebeck Series: poorly drained lacustrine and glacio-lacustrine silts and clays (USDA Soil Survey of Niagara County and NYSDOT Engineering Guide to Soil Series of NYS).

Permeability associated with soil type

10^{-5} to 10^{-7} cm/sec (Freeze, R.A. and J.A. Cherry, Groundwater, 1979).

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Liquids (oils) and solids (NYSDEC Registry Sheet, 12/83).

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Filling operation, materials placed on ground (NYSDEC Site Inspection Report and RECRA Research, 4/29/82).

Method with highest score:

Unlined landfill - 3.

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Waste oil, heavy metals, phenols, and polynuclear aromatic hydrocarbons (RECRA Research, 4/29/82)

Compound with highest score:

Heavy metals (i.e., cadmium, lead, and benzo-a-pyrene) (toxicity = 3, persistence = 3) - 18.

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Unknown, a soil sample was collected on-site that contained heavy metals and PNA;'s. A collected surface water sample contained phenols (RECRA Research, 4/29/82).

Basis of estimating and/or computing waste quantity:

The volume of contaminated fill material disposed on-site is estimated at approximately 5,400 cubic yards (10 acres, 1/3 of which are filled to depth of 1 foot). For HRS scoring purposes, 1 to 10 cubic yards of hazardous waste are assumed to be on-site because contamination has been detected on-site. The 5,400 cubic yards of fill can not be used because the volume of hazardous waste is unknown. Additional sampling will be conducted to determine the extent of contamination on-site.

5. TARGETS

Ground Water Use

Uses(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Drinking water for many residential wells, serving as many as 40 people (Telephone Conversation with Mike Hopkins, NCDOH, 10/31/85).

Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

Residential well approximately 500 feet east of the site (NCDOH Site Profile Report, and Telephone Conversation with Mike Hopkins, NCDOH, 10/31/85).

Distance to above well or building:

0.19 mile (NCDOH Site Profile Report).

Population Served by Ground Water Wells Within a 3-Mile Radius

(New York State Atlas of Community Water System Sources, 1982, Johnston, 1964, ES and D&M Site Visit, 3/18/85).

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

No municipal wells, private wells serving approximately 40 people (Telephone Conversation with Mike Hopkins, NCDOH, 10/31/85).

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

None.

Total population served by ground water within a 3-mile radius:

An estimated 40 people utilize private wells within a 3-mile radius of the site (ES and D&M site inspection, 3/18/85).

SURFACE WATER ROUTE

1. OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

Low levels of phenols in surface water sample.

Rationale for attributing the contaminants to the facility:

Phenols detected in surface water (RECRA Research, 4/29/82), but not an observed release since no background sample was collected and the sample was collected from pooled water on-site.

2. ROUTE CHARACTERISTICS

(USGS Topographic Maps: Lewiston, NY-ONT, Ransomville Quadrangles, 1980)

Facility Slope and Intervening Terrain

Average slope of facility in percent:

0.0

Name/description of nearest downslope surface water:

Small tributary to Four-Mile Creek.

Average slope of terrain between facility and above-cited surface water body in percent:

< 1.0%

Is the facility located either totally or partially in surface water?

No

Is the facility completely surrounded by areas of higher elevation?

No.

1-Year 24-Hour Rainfall in Inches

2.1" (USDOC Technical Paper No. 40).

Distance to Nearest Downslope Surface Water

0.0 miles, adjacent to site.

Physical State of Waste

Liquids (oils) and solids (NYSDEC Registry Sheet, 12/83).

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Filling operation - no cover or diversion system - 3 (NYSDEC Site Inspection Report).

Method with highest score:

Filling operation - no cover or diversion system (NYSDEC Site Inspection Report).

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Waste oil, heavy metals (cadmium and lead), phenols, polynuclear aromatic hydrocarbons, and benzo-a-pyrene (RECRA Research, 4/29/82)

Compound with highest score:

Heavy metals (cadmium and lead) (toxicity = 3, persistence = 3) - 18.

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Unknown, a soil sample was collected on-site that contained heavy metals and PNA's. A collected surface water sample contained phenols (RECRA Research, 4/29/82).

Basis of estimating and/or computing waste quantity:

The volume of fill material is estimated at approximately 5400 cubic yards (10 acres, 1/3 of which are filled to depth of 1 foot). For purposes of rating the site, 1 to 10 cubic yards of hazardous waste are assumed to be on-site because contamination has been detected. The 5,400 cubic yards can not be used because the volume of hazardous waste is unknown.

* * *

5. TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

None within 3 miles (NCDOH Site Profile Report and NYS Atlas of Community Water System Sources, 1982).

Is there tidal influence?

No.

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

None within 2 miles (western NYS not coastal area).

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

0.5 mile (NYS Wetlands Maps).

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

None within 1 mile (NYSDEC Region 9, Division of Fish & Wildlife Files).

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

None within specified distances (NYS Atlas of Community Water System Sources, 1982).

Computation of land area by above-cited intake(s) and conversion to population (1.5 people per acre):

None within specified distances (NYS Atlas of Community Water System Sources, 1982).

Total population served:

None within 3 miles of the site (NYS Atlas of Community Water System Sources, 1982).

Name/description of nearest of above water bodies:

Not applicable, no surface water bodies are located within 3 miles of the site (NYS Atlas of Community Water System Sources, 1982).

Distance to above-cited intakes, measured in stream miles:

None within specified distances (NYS Atlas of Community Water System Sources, 1982).

AIR ROUTE

1. OBSERVED RELEASE

Contaminants detected:

HNU meter readings less than 1 ppm for volatile organics.

Date and location of detection of contaminants:

ES and D&M site inspection, 3/18/85.

Methods used to detect the contaminants:

HNU meter.

Rationale for attributing the contaminants to the site:

Not applicable.

* * *

2. WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Not applicable, no known reactive compounds are known to be disposed on-site.

Most incompatible pair of compounds:

Not applicable, no known incompatible compounds are known to be disposed on-site.

Toxicity

Most toxic compound:

Because there has been no observed release of toxics which could impact the air pathway, the toxicity of the constituents detected in the soil and water samples are not used to rate the air pathway.

Hazardous Waste Quantity

Total quantity of hazardous waste:

Unknown, no hazardous wastes are known to be released to the air pathway.

Basis of estimating and/or computing waste quantity:

Not applicable, no hazardous wastes have been released to the air pathway.

* * *

3. TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

(0 to 4 mi) 0 to 1 mi 0 to 1/2 mi 0 to 1/4 mi

11,477 People (Complied from 1980 US Bureau of the Census Data).

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

More than 2 miles (western NYS not a coastal area).

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

0.5 miles (NYS Wetlands Maps).

Distance to critical habitat of an endangered species, if 1 mile or less:

More than 1 mile (NYS Wetlands Maps).

Land Use

Distance to commerical/industrial area, if 1 mile or less:

More than 1 mile (USGS Topographic Maps: Lewiston, NY-ONT, Ransomville Quadrangles, 1980).

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

More than 2 miles (USGS Topographic Maps: Lewiston, NY-ONT, Ransomville Quadrangles, 1980).

Distance to residential area, if 2 miles or less:

1 mile to trailer park (USGS Topographic Maps: Lewiston, NY-ONT, Ransomville Quadrangles, 1980).

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Adjacent (ES and D&M Site Inspection, 3/18/85).

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Unknown.

Is a historic or landmark site (National Register of Historic Places and National Natural Landmarks) within view of the site?

No

FIRE AND EXPLOSION

1. CONTAINMENT

Hazardous substances present:

No information was found during the Phase I study which indicated that a fire and explosion hazard exists or has existed at the J & T Automotive Salvage site.

Type of containment, if applicable:

Not applicable.

* * *

2. WASTE CHARACTERISTICS

Direct Evidence

Type of instrument and measurements:

No measurements were taken on-site to determine the potential for a fire or explosion hazard.

Ignitability

Compound used:

No ignitable compounds are known to exist on-site. The small quantities of waste oil spilled on-site is from junk cars. The oil has been absorbed into the soil and does not pose a fire or explosion hazard (ES and D&M Site Visit, 3/18/85).

Reactivity

Most reactive compound:

Not applicable, no reactive compounds are known to exist on-site.

Incompatibility

Most incompatible pair of compounds:

Not applicable, no incompatile compounds are known to exist on-site.

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility:

Not applicable, no hazardous wastes with the potential for impacting the fire and explosion pathway are known to exist on-site.

Basis of estimating and/or computing waste quantity:

Not applicable.

* * *

3. TARGETS

Distance to Nearest Population

1 mile to trailer park (ES and D&M Site Visit, 3/18/85).

Distance to Nearest Building

1 mile to trailer park (ES and D&M Site Visit, 3/18/85).

Distance to Sensitive Environment

Distance to wetlands:

Approximately 0.5 miles from a fresh-water wetland (NYS Wetland Maps).

Distance to critical habitat:

More than 1 mile (NYS Wetlands Maps).

Land Use

Distance to commercial/industrial area, if 1 mile or less:

More than 1 mile (ES and D&M site Inspection, 3/18/85).

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

More than 2 miles (USGS Topographic Maps: Lewiston, NY-ONT, Ransomville Quadrangles, 1980).

Distance to residential area, if 2 miles or less:

1 mile to trailer park (ES and D&M site Inspection, 3/18/85).

Distance to agricultural and in production within past 5 years, if 1 mile or less:

Adjacent to the site (ES and D&M site Inspection, 3/18/85).

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Unknown.

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

no

Population with 2-Mile Radius

3,042 people (US Census Data, 1980).

Buildings Within 2-Mile Radius

Approximately 800 buildings (USGS Topographic Maps: Lewiston, NY-ONT, Ransomville Quadrangles, 1980).

DIRECT CONTACT

1. OBSERVED INCIDENT

Date, location, and pertinent details of incident:

No information was found during the Phase I study which indicates that a direct contact incident has occurred at the site.

* * *

2. ACCESSIBILITY

Describe type of barrier(s):

Barriers do not completely surround the J & T Automotive Salvage site (ES and D&M Site Visit, 3/18/85).

* * *

3. CONTAINMENT

Type of containment, if applicable:

A cover system is not in-place at the site (ES and D&M Site Visit, 3/19/85).

* * *

4. WASTE CHARACTERISTICS

Toxicity

Compounds evaluated:

Waste oil, heavy metals (cadmium and lead), phenols, polynuclear aromatic hydrocarbons and benzo-a-pyrene (RECRA Research, 4/29/82).

Compound with highest score:

Heavy metals - toxicity = 3.

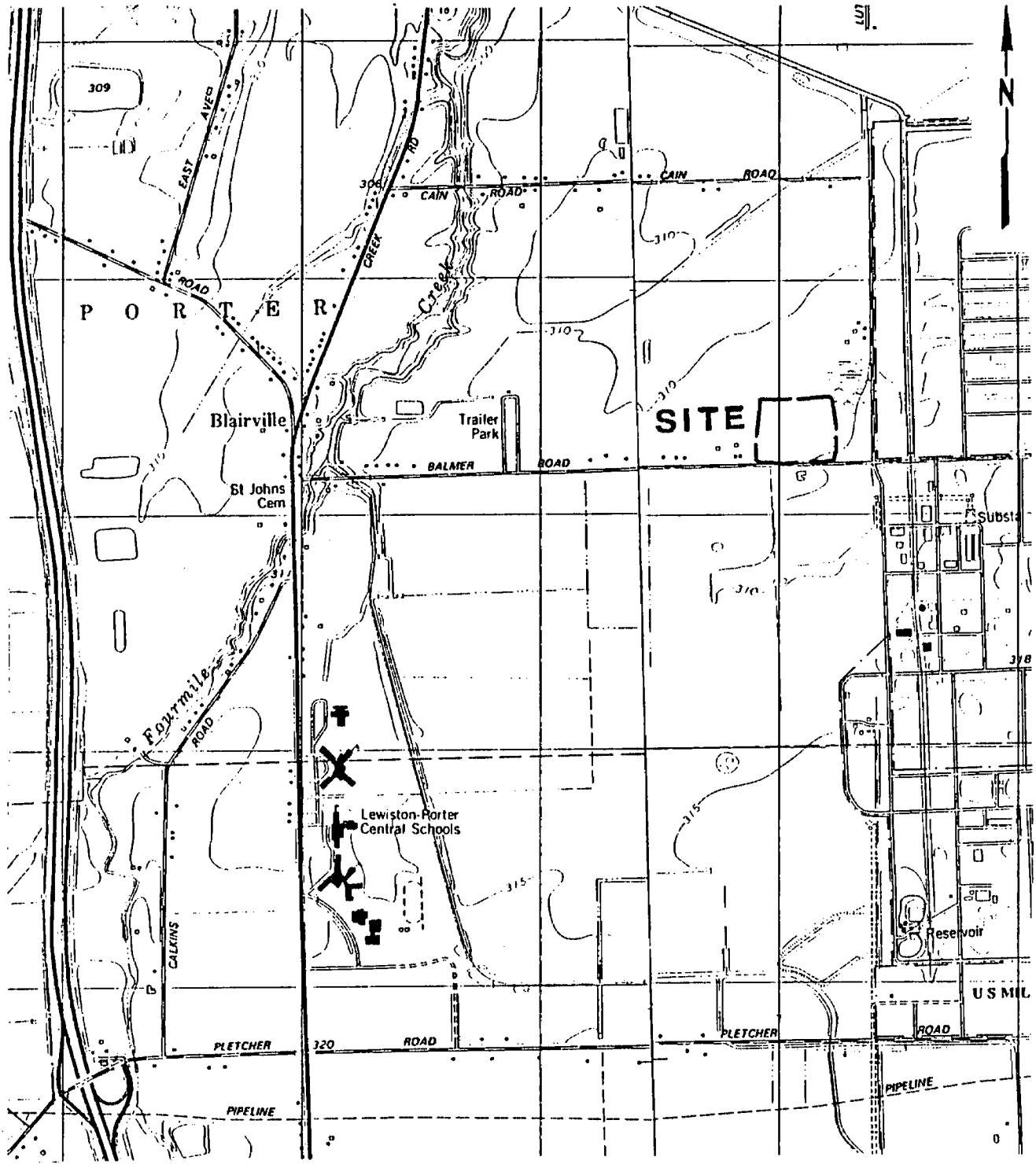
5. TARGETS

Population within one-mile radius

472 people (US Census Data, 1980).

Distance to critical habitat (of endangered species)

More than 1 mile (NYS Wetlands Maps).



LATITUDE: 43°13'56"
LONGITUDE: 79°00'36"

SCALE

0 1000 2000 3000 4000 FEET

REFERENCE: U.S.G.S. 7.5' Topographic Map
Lewiston, NY-ONT. (1980) and Ransomville, NY (1980) Quadrangles

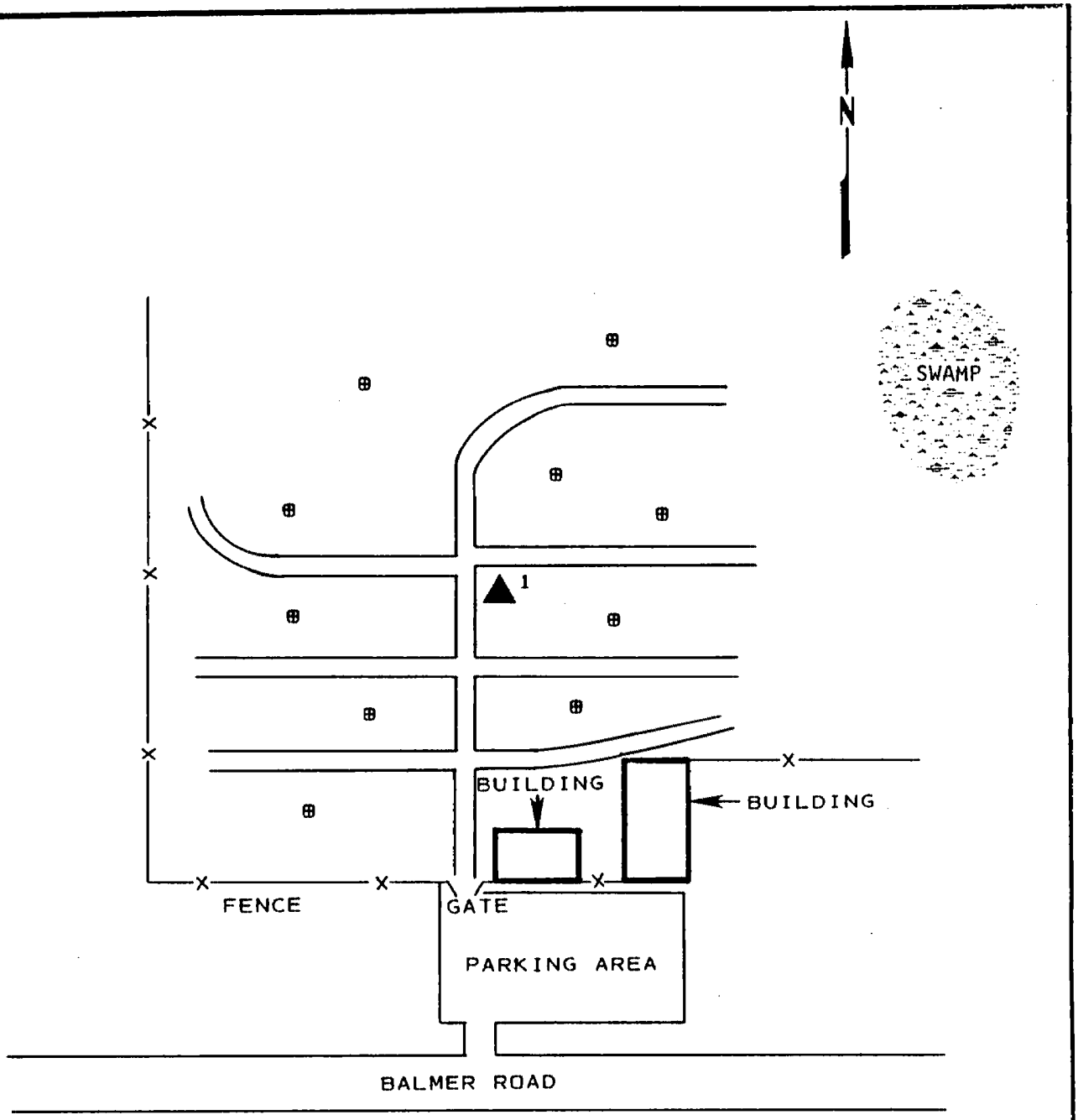
ENGINEERING-SCIENCE, INC.
IN ASSOCIATION WITH
DAMES & MOORE

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

SITE LOCATION MAP

J.T. SALVAGE

FIGURE iv-1



NOT TO SCALE

EXPLANATION:

ENGINEERING-SCIENCE, INC.
IN ASSOCIATION WITH
DAMES & MOORE

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

HRS REFERENCES

1. ES and D&M Site Inspection, March/April, 1985.

2. Freeze, R. A., and Cherry, J. A., Groundwater, 1985.

3. Hopkins, M., NCDOH, Telephone Conversation, 10/31/85.

4. Johnston, Richard H., Groundwater in the Niagara Falls Area of New York, 1964.

5. NYS Atlas of Community Water System Sources, NYS Department of Health, 1982.

6. NYS Museum and Science Service Bedrock Geology Map, Map and Chart Series, No. 15 (compiled by Rickard, L. V., and Fisher, D. W.).

7. NYS Wetlands Maps (Not Provided in Report).

8. NYSDEC, Region 9, Division of Fish and Wildlife Files.

9. NYSDEC Registry, 1983.

10. NYSDEC, Site Inspection Report, 1985.

11. NCDOH, Site Profile Report.

12. RECRA Research, Analytical Data, 1982.

13. US Census Data, 1980.

14. USDA, Soil Survey of Niagara County, 1982.

15. US Department of Commerce. "Climatic Atlas of the United States". 1979.

16. US Department of Commerce Technical Paper No. 40. "Rainfall Frequency Atlas of the United States". 1963.

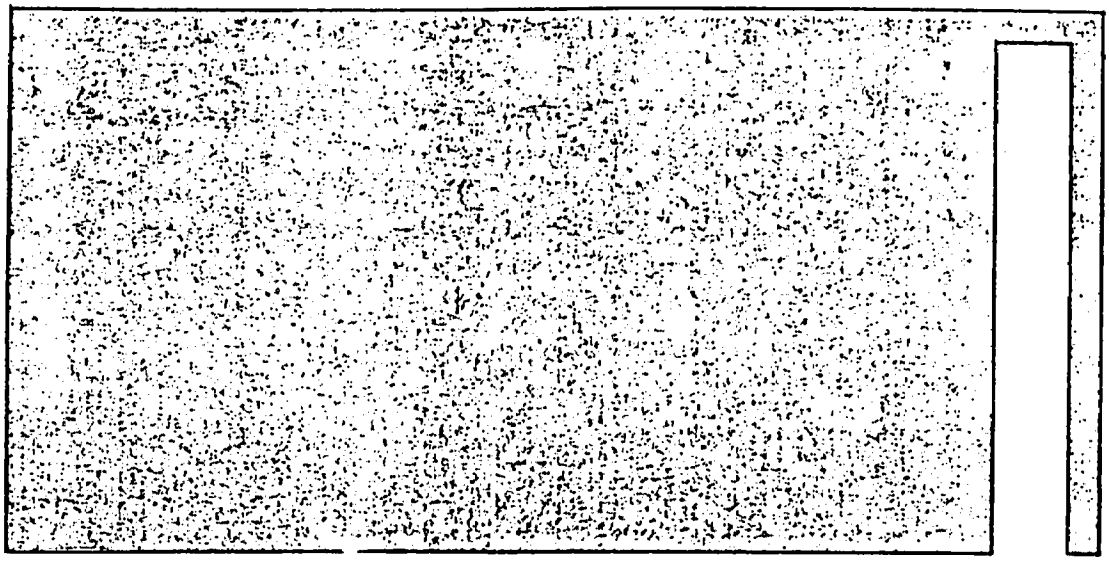
17. USGS Topographic Maps: Lewiston, NY-ONT., Radsomville Quadrangles, 1980 (Provided in Report).

REF-1

ES AND D&M SITE INSPECTION

Observations made during the ES and D&M Site Inspections are provided on US EPA Forms 2070-12 and 2070-13. Field notes were used to complete these EPA Forms, and are not included herein.

REF-2



R. Allan Freeze

Department of Geological Sciences
University of British Columbia
Vancouver, British Columbia

John A. Cherry

Department of Earth Sciences
University of Waterloo
Waterloo, Ontario

GROUNDWATER

Prentice-Hall, Inc.
Englewood Cliffs, New Jersey 07632

FREEZE & CHERRY

Table 2.2 Range of Values of Hydraulic Conductivity and Permeability

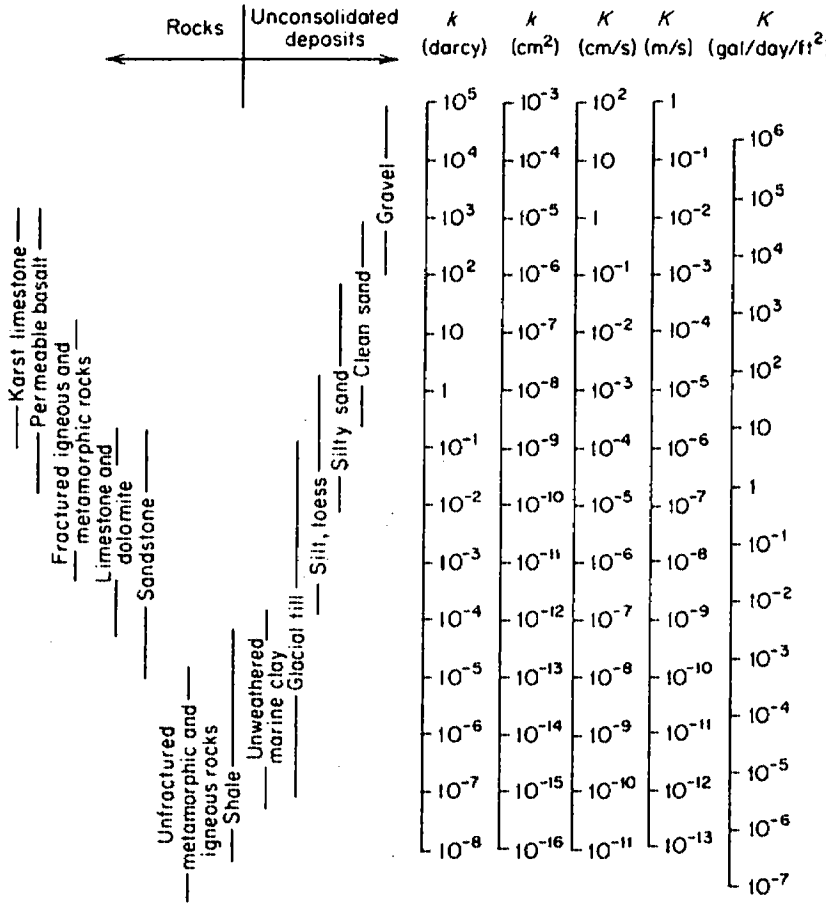


Table 2.3 Conversion Factors for Permeability and Hydraulic Conductivity Units

	Permeability, k*			Hydraulic conductivity, K		
	cm^2	ft^2	darcy	m/s	ft/s	U.S. gal/day/ft^2
cm^2	1	1.08×10^{-3}	1.01×10^{8}	9.80×10^{2}	3.22×10^{3}	1.85×10^{9}
ft^2	9.29×10^{2}	1	9.42×10^{10}	9.11×10^{5}	2.99×10^{6}	1.71×10^{12}
darcy	9.87×10^{-9}	1.06×10^{-11}	1	9.66×10^{-6}	3.17×10^{-5}	1.82×10^{1}
m/s	1.02×10^{-3}	1.10×10^{-6}	1.04×10^{5}	1	3.28	2.12×10^{6}
ft/s	3.11×10^{-4}	3.35×10^{-7}	3.15×10^{4}	3.05×10^{-1}	1	6.46×10^{5}
U.S. gal/day/ft^2	5.42×10^{-10}	5.83×10^{-13}	5.49×10^{-2}	4.72×10^{-7}	1.55×10^{-6}	1

*To obtain k in ft^2, multiply k in cm^2 by 1.08×10^{-3}.

REF-3

INTERVIEW FORM

INTERVIEWEE/CODE Mike Hopkins /

TITLE - POSITION Niagara Co. Dept. of Health

ADDRESS 10th St.

CITY Niagara Falls STATE NY ZIP

PHONE (716) 284-3126 RESIDENCE PERIOD TO

LOCATION Phone Convers. - D & M office INTERVIEWER JC Brod

DATE/TIME 10/31/85 / 3:30 pm

SUBJECT: J.T. Salvage Site.

REMARKS:

① According to property Maps, Hooker Corp. does not own any property adjacent to the site. The property is owned by site owners, SCA Chemical, and the U.S. Military. The land owned by the military is presently being sold off.

② The depth to the aquifer of concern is variable. Due to the low permeability of the soils, the groundwater exists in perched water tables at depths varying from ground surface to bedrock

I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:

Michael G. Hopkins
SIGNATURE

COMMENTS:

REF-3

INTERVIEW FORM

INTERVIEWEE/CODE Mike Hopkins /

TITLE - POSITION Niagara County Dept. of Health

ADDRESS 10th St

CITY Niagara Falls STATE NY ZIP

PHONE (716) 284 - 3126 RESIDENCE PERIOD TO

LOCATION Phone convers. - D & M INTERVIEWER JC Brod

DATE/TIME 10/31/85 4:30

SUBJECT: J.T. Salvage Site

REMARKS: The above named stated that there are 6-10 families (all on Balmer Rd) w/in a 3-mile radius that are on private water supply. To the best of his knowledge, everyone else is on municipal water.

The nearest dwelling ~~is~~ on private water is approx. 500' East of the site, on the same side of Balmer Rd

I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:

Michael E Hopkins
SIGNATURE

COMMENTS: Note: It is still the reported intent of the Town to connect all homes on Balmer Rd to Public water, possibly by the end of the year 86'ff

GROUND WATER IN THE NIAGARA FALLS AREA, NEW YORK

With Emphasis on the Water-Bearing Characteristics of the Bedrock

BY

RICHARD H. JOHNSTON

GEOLOGIST

U.S. GEOLOGICAL SURVEY

STATE OF NEW YORK

CONSERVATION DEPARTMENT

WATER RESOURCES COMMISSION

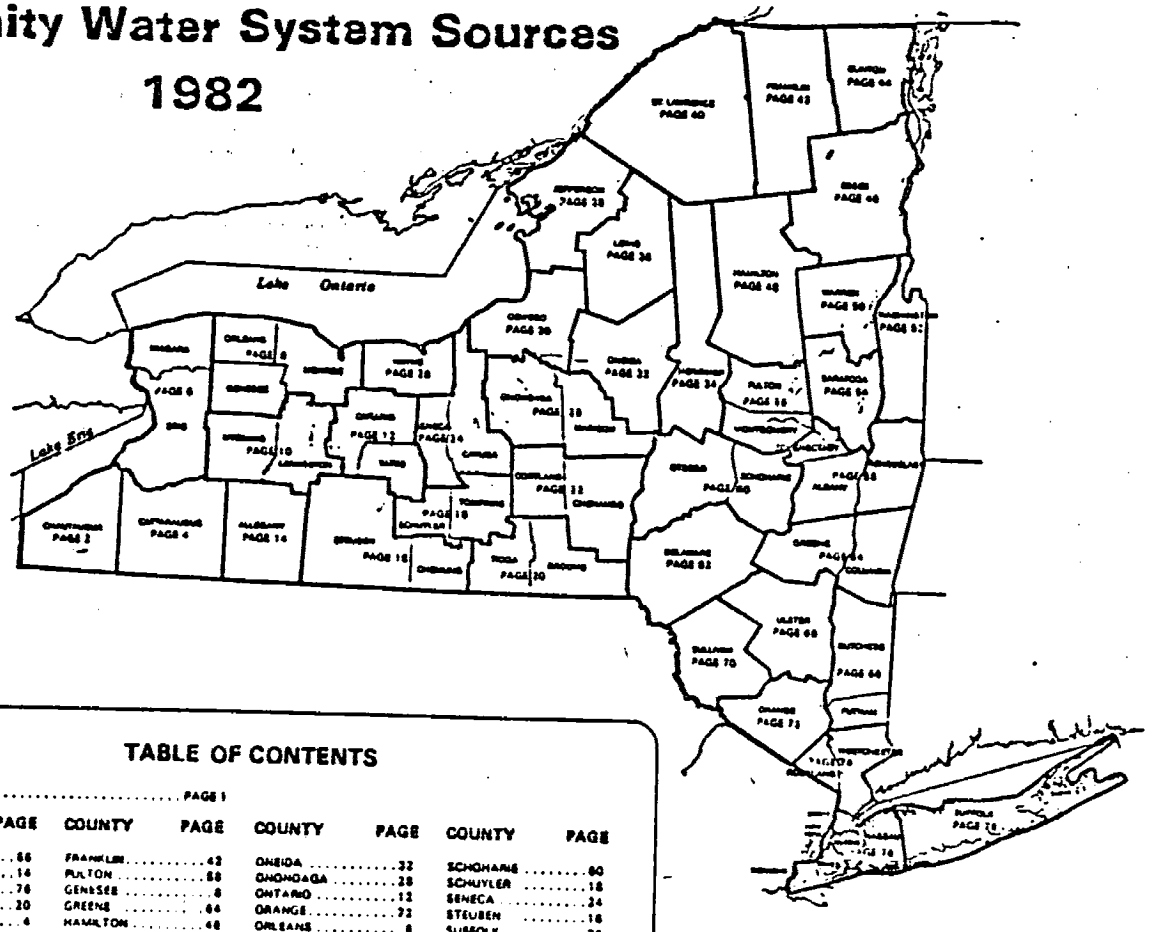
BULLETIN GW-53

1964

New York State Atlas of Community Water System Sources

1982

NEW YORK STATE DEPARTMENT OF HEALTH



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BRONX	76	GENESEE	8	ONTARIO	12	SENECA	24
BROOME	20	GREENE	64	ORANGE	72	STEUBEN	16
CATTARAUGUS	4	HAMILTON	48	ORLEANS	8	SUFFOLK	76
CAYUGA	24	HERKIMER	34	OSWEGO	30	SULLIVAN	70
CHAUTAUQUA	2	JEFFERSON	38	OTSEGO	60	TIOGA	20
CHEMUNG	18	KINGS	76	PUTNAM	68	TOMPKINS	18
CHENANGO	22	LEWIS	36	QUEENS	76	ULSTER	68
CLINTON	44	LIVINGSTON	10	RENSSELAER	58	WARREN	50
COLUMBIA	84	MADISON	28	RICHMOND	76	WASHINGTON	52
CORTLAND	23	MONROE	8	ROCKLAND	74	WAYNE	26
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LEGEND

BOUNDARIES AND PLACES

International
State
County
Town
Indian Reservation
City
Village
Unincorporated Place
Federal Reservation
Built-up Area (Over 25,000 population including any contiguous city or village)

CLASSIFICATION OF POPULATED PLACES

100,000 or more ..... YONKERS
50,000 to 100,000 ..... Levittown
12,500 to 50,000 ..... Poughkeepsie
2,500 to 12,500 ..... Harrison Bay
250 to 2,500
250 or less

TRANSPORTATION

Highways
- Divided Highways
  - Full Control of Access
  - Partial or No Control of Access
- Undivided Highways
- Interchange
- Touring Route (State, U.S., Interstate or State Parkway)
- Touring Route Markers
  - State
  - U.S.
  - Interstate

Railroads
- Operating Line
- Service Discontinued
- Operator
- Owner (If Other than Operator)
- Company Having Trackage Rights

Airports (Open to the Public, Military)
- Runway under 4000'
- Runway over 4000'

Rest Areas
- Food, Gas, Rest Rooms
- Rest Rooms
- Gas, Rest Rooms
- Parking Only

RECREATION FACILITIES

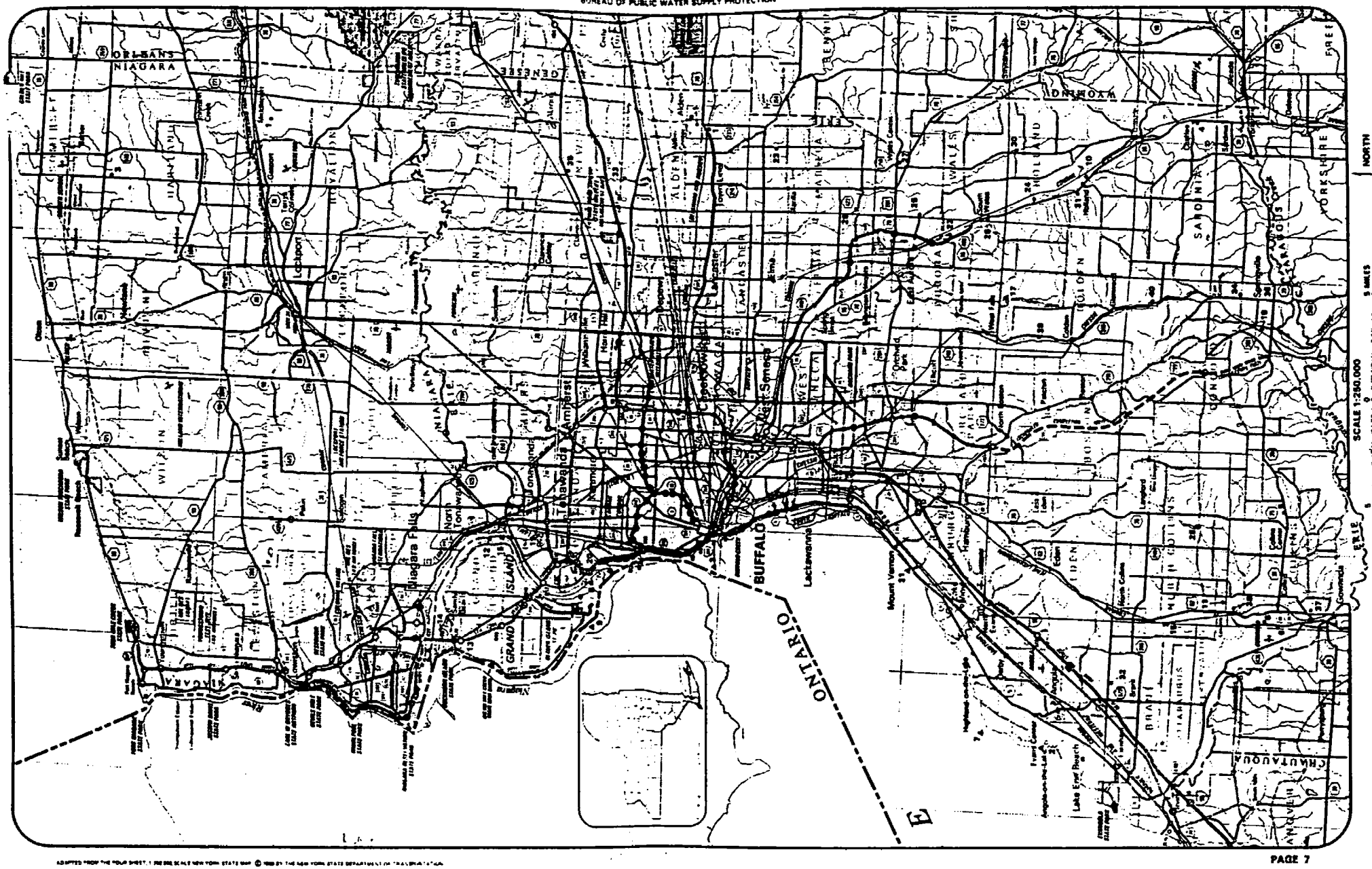
- State or National Recreation Area
- State Campground
- State Boat Launching Site
- State Canal Park
- State Fish Hatchery
- Other State Recreation Site

REF-5

LOCATION OF COMMUNITY WATER SYSTEM SOURCES-1982

DIVISION OF ENVIRONMENTAL PROTECTION
BUREAU OF PUBLIC WATER SUPPLY PROTECTION

ERIE and NIAGARA COUNTIES



GEOLOGIC MAP OF NEW YORK

1970

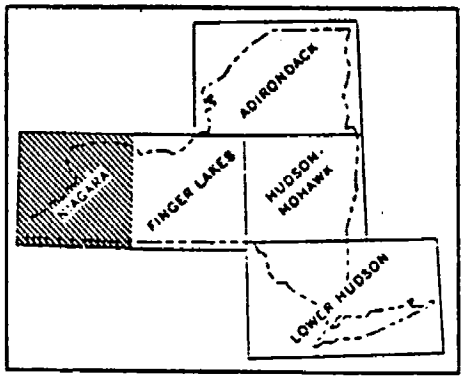
Niagara Sheet

Scale 1:250,000

5 0 5 10 15 Statute Miles 20

5 0 5 10 15 20 25 Kilometers 30

CONTOUR INTERVAL 100 FEET



Topographic Base from AMS Quadrangles 1:250,000 scale.

NEW YORK STATE MUSEUM AND SCIENCE SERVICE

MAP AND CHART SERIES NO. 15

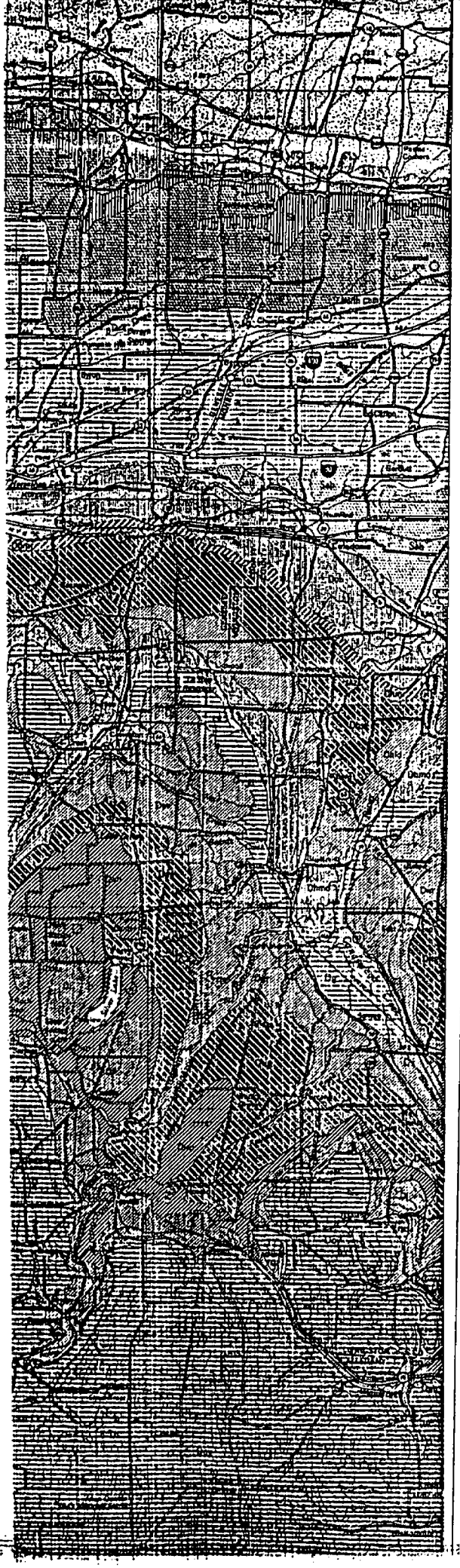
COMPILED AND EDITED BY

Lawrence V. Rickard

Donald W. Fisher

March, 1970

REF-6



PALEOZOIC

Upper Ordovician

Lower Silurian

Upper Silurian

Lower Devonian

Middle Devonian

Upper Devonian

Lower Mississippian

Lower Pennsylvanian

POTTSVILLE GROUP

Pp — Conneaut Creek Formation—sandstone, shale; Sharon Formation—shale, sandstone, conglomerate; Olean Conglomerate 50-100 ft. (15-30 m.)

POCONO GROUP

Mp — Cuyahoga Formation—shale, sandstone; Corry Sandstone; Knapp Formation 60-100 ft. (20-30 m.)—shale, conglomerate.

CONEWANGO GROUP
450-650 ft. (140-200 m.)

Dco — Oswayo and Venango Formations—shale, siltstone, sandstone; replaced eastwardly by Cattaraugus Formation—shale, sandstone, conglomerate.

CONNEAUT GROUP
250-600 ft. (75-200 m.)

Dct — In west: Ellicott and Dexterville Formations—shale, siltstone.
In east: Germania Formation—shale, sandstone; Whitesville Formation—shale, sandstone; Hinsdale Sandstone; Wellsville Formation—shale, sandstone; Cuba Sandstone.

CANADAWAY GROUP
700-1200 ft. (210-370 m.)

Dcys — Northeast Shale; Shumla Siltstone.
Dcyl — Westfield Shale; Laona Siltstone.
Dcyd — Gowanda, South Wales, and Dunkirk Shales.
Dcy — Machias Formation—shale, siltstone; Rushford Sandstone; Canadea, Canisteo, and Hume Shales; Canaseraga Sandstone; South Wales and Dunkirk Shales.

JAVA GROUP
100-200 ft. (30-60 m.)

Dj — Hanover Shale; Wiscoy Formation—sandstone, shale; Pipe Creek Shale.

WEST FALLS GROUP
400-950 ft. (120-290 m.)

Dwl — Angola and Rhinestreet Shales.
Dwn — Nunda Formation—sandstone, shale.
Dwg — West Hill and Gardeau Formations—shale, siltstone; Rorieks Glen Shale; upper Beers Hill Shale; Grimes Siltstone.
Dwr — lower Beers Hill Shale; Dunn Hill, Millport, and Moreland Shales.

SONYEA GROUP
50-200 ft. (15-60 m.)

Ds — Cashaqua and Middlesex Shales.

GENESEE GROUP
10-250 ft. (3-45 m.)

Dg — West River Shale; Genundewa Limestone; Penn Yan and Geneseo Shales; North Evans Limestone.

HAMILTON GROUP
200-500 ft. (60-150 m.)

Dhmo — Moscow Formation—Windom and Kashong Shales, Menteth Limestone Members.
Dhld — Ludlowville Formation—Deep Run Shale, Tichenor Limestone, Wanakah and Ledyard Shales, Centerfield Limestone Members.
Dhsk — Skaneateles Formation—Levanna Shale, Stafford Limestone Members.
Dhmr — Marcellus Formation—Oatka Creek Shale Member.

ONONDAGA AND BOIS BLANC LIMESTONES
150 ft. (45 m.)

Dob — In New York: Onondaga Limestone—Seneca, Moorehouse (cherty), and Clarence Limestone Members, Edgecliff cherty Limestone Member, local coral bioherms; Bois Blanc Limestone—sandy, thin, discontinuous.
In Ontario: Dundee Limestone; Lucas Formation—dolostone, limestone (Anderdon); Amherstburg Formation—limestone, dolostone, sandstone (Sylvania); Bois Blanc Formation—dolostone, limestone, sandstone (Springvale).

Do — Oriskany Sandstone.

AKRON DOLOSTONE AND SALINA GROUP
400-700 ft. (120-210 m.)

Sab — Akron Dolostone; Bertie Formation—dolostone, shale.
Scv — Camillus, Syracuse, and Vernon Formations—shale, dolostone, salt, and gypsum.

LOCKPORT GROUP
150-200 ft. (45-60 m.)

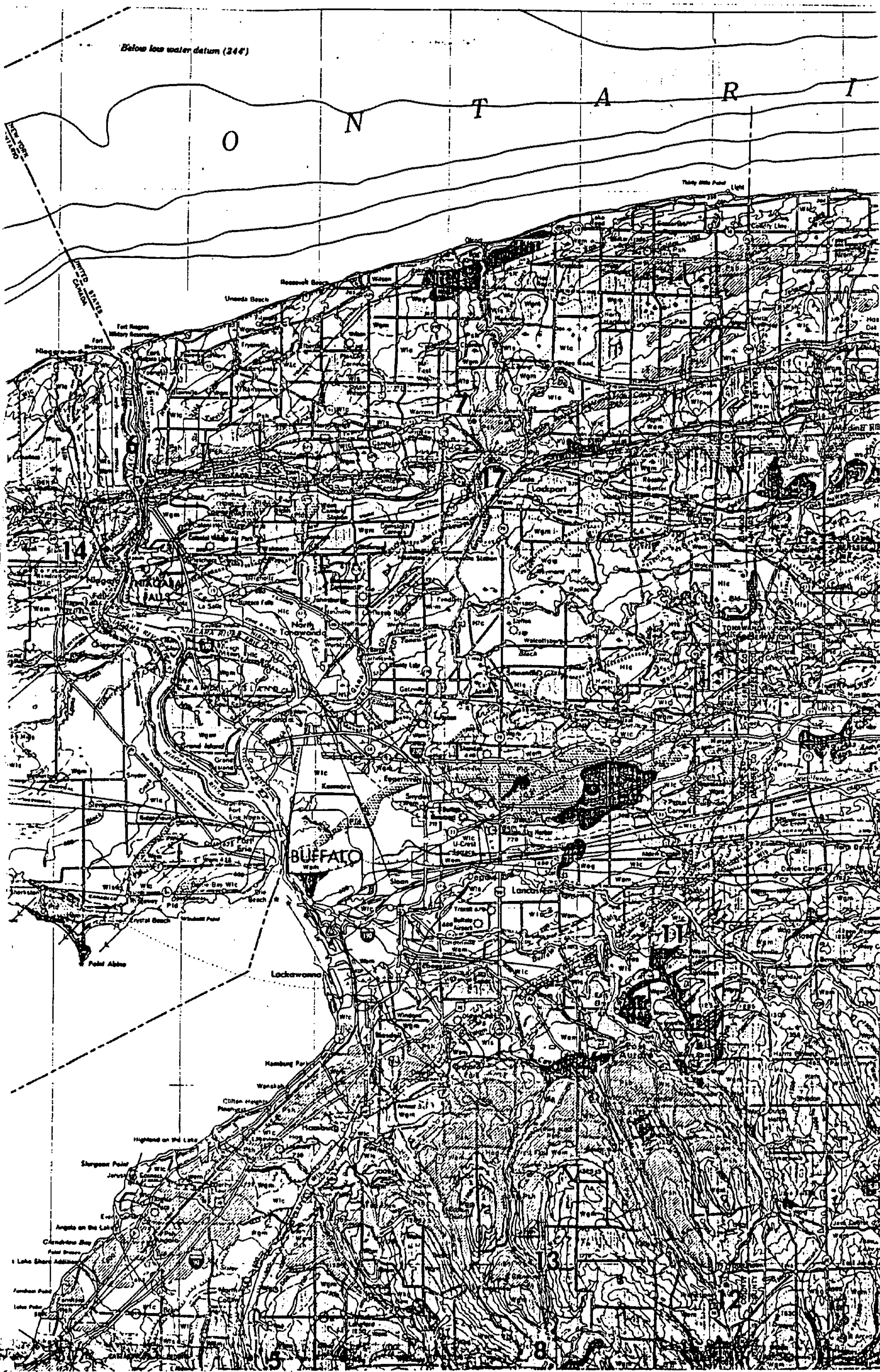
Sl — Guelph, Oak Orchard, Eramosa, and Goat Island Dolostones; Gasport Limestone—local bioherms.

CLINTON GROUP
100-150 ft. (30-45 m.)

Scl — Decew Dolostone; Rochester Shale; Irondequoit and Merriton Limestones.
Sr — Decew Dolostone; Rochester Shale.
Sik — Irondequoit Limestone; Rockway Dolostone; Hickory Corners Limestone; Neahga Shale; Kodak Sandstone.

MEDINA GROUP AND QUEENSTON FORMATION
800 ft. (250 m.)

Sm — Thorold Sandstone; Grimsby Formation—sandstone, shale; Power Glen and Cabot Head Shales; Whirlpool Sandstone.
Oq — Queenston Shale


Below low water datum (244')
O N T A R I
Lockport
North Tonawanda
Tonawanda
Grand Island
BUFFALO
Kenmore
Lancaster
Lackawanna
Fort Erie
Point Abino
Crystal Beach
Hamburg
Roosevelt Beach
Unceda Beach
Highland on the Lake
Sturgeon Point
Angola on the Lake
14
7
17
6
11
13
12
8
5

NYS WETLANDS MAPS

NYS Wetlands Maps were reviewed during the Phase I investigation. Individual maps for each site were not obtained and are, therefore, not included in the Phase I reports. Site specific information collected concerning the location of a wetland within 1 mile of a given site is recorded in the documentation section of each report.

REF-8

INTERVIEW FORM

INTERVIEWEE/CODE Jim Snider Mike Wilkenson /

TITLE - POSITION NYSDEC, Div of Fish & Wildlife

ADDRESS Delaware Ave.

CITY Buffalo STATE NY ZIP

PHONE ( ) RESIDENCE PERIOD TO

LOCATION in DEC office INTERVIEWER Eileen Milligan

DATE/TIME 1/10/85 & 1/11/85 /

SUBJECT: Phase I site information

REMARKS: The above-named interviewees provided us with the following information regarding our Phase I site. (see attached list)

1) Wetlands in Niagara Co. & proximity to sites
2) Types of fish & wildlife in Erie/Niagara area
3) Use by fish & wildlife of Niagara River & tributaries
4) Sensitive environments & proposed wetlands in the Erie/Niagara area

. J&T SALVAGE site
- there are no critical habitats of an endangered species within one mile of the site

I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:

SIGNATURE: James R. Snider - Sr. Wildlife Biologist
Michael A. Wilkinson - Conservation Biologist (Aq. Biol.)

COMMENTS: No discussion of wetlands/wildlife regarding Mina Landfill site - referred to Olean Office.

(47-15-11 (10/83)

REF-9

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID AND HAZARDOUS WASTE

INACTIVE HAZARDOUS WASTE DISPOSAL SITE REPORT

PRIORITY CODE: 2a SITE CODE: 932074

NAME OF SITE: J.T. Salvage REGION: 9

STREET ADDRESS: Balmer Road

TOWN/CITY: Porter COUNTY: Niagara

NAME OF CURRENT OWNER OF SITE: Charles Boos

ADDRESS OF CURRENT OWNER OF SITE: 1209 Balmer Rd, Youngstown, NY 14174

TYPE OF SITE: OPEN DUMP ☐ STRUCTURE ☐ LAGOON ☐

LANDFILL [X] TREATMENT POND ☐

ESTIMATED SIZE: 6 + ACRES

SITE DESCRIPTION:

Area used for automobile salvage yard. Oil from vehicles on and in ground. Fill material to absorb oil and grade property consisted of "non-hazardous" material; i.e., SiC, Al_2O_3, graphite, coal and dirt mixture, flyash, grinding wheels.

HAZARDOUS WASTE DISPOSED: CONFIRMED ☐ SUSPECTED [X]

TYPE AND QUANTITY OF HAZARDOUS WASTES DISPOSED:

TYPE	QUANTITY (POUNDS, DRUMS, TONS, GALLONS)
Oils (crankcase)(transmission)	Unknown

TIME PERIOD SITE WAS USED FOR HAZARDOUS WASTE DISPOSAL:

_____, 19 ___ TO _____, 19 ___

OWNER(S) DURING PERIOD OF USE: Boos

SITE OPERATOR DURING PERIOD OF USE: Boos

ADDRESS OF SITE OPERATOR: 1209 Balmer Rd., Youngstown, NY 14174

ANALYTICAL DATA AVAILABLE: AIR ☐ SURFACE WATER ☒ GROUNDWATER ☒
SOIL ☒ SEDIMENT ☐ NONE ☐

CONTRAVENTION OF STANDARDS: GROUNDWATER ☐ DRINKING WATER ☐
SURFACE WATER ☐ AIR ☐

SOIL TYPE: Lacustrian Lake deposits

DEPTH TO GROUNDWATER TABLE: Unknown

LEGAL ACTION: TYPE: _____ STATE ☐ FEDERAL ☐
STATUS: IN PROGRESS ☐ COMPLETED ☐
REMEDIAL ACTION: PROPOSED ☐ UNDER DESIGN ☐
IN PROGRESS ☐ COMPLETED ☐
NATURE OF ACTION: _____

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

No apparent environmental problems noted.

ASSESSMENT OF HEALTH PROBLEMS:

INSUFFICIENT INFORMATION

PERSON(S) COMPLETING THIS FORM:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

NAME John S. Tybert, PE
TITLE Sr. Sanitary Eng.
NAME Robert A. Olazagasti
TITLE Solid Waste Management Spec.
DATE: 11/4/83

NEW YORK STATE DEPARTMENT OF HEALTH

NAME R. Tramontano
TITLE Bur. Tox. Subst. Assess.
NAME
TITLE
DATE: 12/83

REF-10

NAME OF LANDFILL: J.T. Salvage

LOCATION: Bulmer Road, Niagara County

CURRENT OWNER: J.T. Salvage

HISTORY

Carborundum used this site to dispose of fly ash, fire brick, dust collection fines, kiln furniture, and broken grinding wheels. This material was deposited on-site and filled into low areas throughout the junkyard. The last truck load of material was delivered to the site in late 1981.

INVESTIGATION

A representative sample was taken on-site where foundry sands, broken grinding wheels, and fire brick were stockpiled and leveled out in a low area. This sample was analyzed as indicated; water sample (phenol) and the soil's sample (phenol, TOH, PCB, and PNA).

SOILS AND GEOLOGICAL INFORMATION

(1) This site is the Raynham series, which consists of deep, somewhat poorly drained medium-textured soils. These soils formed in dominantly calcereous, silty sediments that were deposited in glacial Lake Tonawanda. They are level to gently sloping and occur within the glacial Lake area.

(2) Most commonly included with this soil are areas of poorly drained Canandaigua soils. Also included are areas of coarser textured Minoa soils and finer texture Rhinebeck soils.

(3) The rock is classified in the Queenstone Formation formed in the Upper Ordovician Period of the Paleozoic Era. This formation consists of red shale, localized green shale and red siltstone.

SAMPLE ANALYSES

At a single station a soil sample was taken and analyzed for metals, THO, phenols, and PCBs. The water analyses from the same sampling location was analyzed for both phenols and PNA. The soils sampled indicated a high concentration of zinc, and antimony. Also, in the soils sample a detectable amount of THO and phenols were also noted. The water sample indicated a detectable amount of phenols and a moderate amount of PNA.

DISCUSSION OF RESULTS

The material in question at this site is general construction debris, which is used to fill in low spots throughout the junk yard site. The sample results did not indicate any abnormally high concentrations of THO, PCBs and phenols.

RECOMMENDATION

The material in question at this site exhibited no abnormal high concentrations of phenols and THO. The material should be allowed to remain as fill.

J. T. SALVAGE - Soil Analyses (4/29/82)

PARAMETER	UNITS OF MEASURE	SAMPLE IDENTIFICATION (Station #1)
Arsenic	ug/g dry	1.6
Beryllium	ug/g dry	<0.4
Cadmium	ug/g dry	1.2
Chromium	ug/g dry	5.7
Copper	ug/g dry	22
Lead	ug/g dry	26
Mercury	ug/g dry	<0.2
Nickel	ug/g dry	57
Selenium	ug/g dry	0.83
Silver	ug/g dry	<0.4
Thallium	ug/g dry	<4
Antimony	ug/g dry	99
Zinc	ug/g dry	✓ 53,000
Calcium	ug/g dry	37,000
Dry Weight	%	48
Halogenated Organic Scan	ug/g dry as Cl_2 Lindane Standard	2.8
Phenolics	ug/g dry	0.88
Total Polychlorinated Biphenyls	ug/g dry as Aroclor 1242	<1

J.T. SALVAGE - Water Analyses

Phenolics	mg/l	0.32

J. T. SALVAGE - Polynuclear Aromatic Hydrocarbon (4/27/82)

COMPOUND	UNITS OF MEASURE	SAMPLE IDENTIFICATION Station #1
Acenaphthene	ug/g dry	<40
Acenaphthylene	ug/g dry	<70
Anthracene	ug/g dry	5.8
Benzo(a)anthracene	ug/g dry	29
Benzo(a)pyrene	ug/g dry	69
Benzo(b)fluoranthane	ug/g dry	57
Benzo(g,h,i)perylene	ug/g dry	57
Benzo(k)fluoranthene	ug/g dry	36
Chrysene	ug/g dry	42
Dibenzo(a,h)anthracene	ug/g dry	66
Fluoranthene	ug/g dry	53
Fluorene	ug/g dry	2.9
Indeno(1,2,3-cd)pyrene	ug/g dry	27
Naphthalene	ug/g dry	1.3
Phenanthrene	ug/g dry	17
Pyrene	ug/g dry	58

REF-11

NAME

J & T SALVAGE (DEC #932074)

LOCATION

This site is operated as an automotive wrecking yard under the name of J & T Salvage and Recycling. The site is located at 1209 Balmer Road in Porter, New York. The property is four acres in area and is enclosed by fencing.

A site sketch is attached.

OWNERSHIP

J & T Auto Salvage and Recycling is owned by Mr. Charles Boos, 1209 Balmer Road, Youngstown, New York 14174 (745-3973 or 745-7079).

HISTORY

This property has been used as an automotive junk yard since the 1960's. Prior to 1976, cinders and other materials were used to stabilize the soil in wet areas to provide access. When the property was acquired by Mr. Boos, the area was filled with "hard" industrial wastes such as broken grinding wheels, abrasives, brick, collector fines and similar materials. The purpose was to provide dry access ways within the junk yard. The wastes came from Carborundum. The use of such materials for fill was approved by the Town of Porter and the Niagara County Health Department in 1976. Wastes were accepted, at least to a limited extent, until 1981.

Inspections were made in June 1981 by Mr. M. Hopkins, Niagara County Health Department, and in April 1982 by DEC personnel.

AERIAL PHOTOGRAPHS

A review of aerial photographs revealed no relevant information except to verify the presence of a junk yard in 1966. The facility has expanded since that time.

PREVIOUS SAMPLING

Soil and water were sampled in April 1982 by the DEC. The analytical results show elevated levels of zinc (53,000 ppm) and antimony (99 ppm) in a soil sample taken from within the site. A water sample showed low level (0.32 mg/l) phenolics. The results of the sample analyses are attached.

SOILS/GEOLOGY

According to the Soil Conservation Service, Soil Survey for Niagara County, the soils in the area of this site are of the Rhinebeck-Red-Hamlin Association. These soils are notably flat and somewhat poorly to very poorly drained. Drainage problems dominate use on these soils unless artificially drained. This would account for the access problems prior to placing fill.

It is noted that a letter from Mr. Boos to the Niagara County Health Department (February 1, 1976) states that some of the top soil was removed from the site. The extent of removal and any effect on soil characteristics is unknown.

Experience with nearby facilities indicates that permeable lenses may exist below the surface at random locations. It is not known if such lenses occur beneath the J & T site. The Soil Survey does indicate gravel and sand spots in this area.

Bedrock is Queenston Shale. The shale is typically overlain with a band of gravel and fractured shale. Groundwater occurs principally in this region with very little yield within the unfractured shale. The water bearing zone may be less than one foot in thickness. The shale may be up to 1200 feet thick.

GROUNDWATER

Groundwater is used locally for domestic and farm use. Large diameter wells are often required to obtain sufficient yields. Groundwater is often of poor quality due to salt, hydrogensulfide and hardness. This condition is typical of wells in the Queenston Shale.

Several wells are located within one mile. The residence 1000 feet east of the site uses well water for drinking. This well is known to contain hydrogen sulfide. As many as 100 people within one mile may use groundwater.

SURFACE WATER

The nearest surface water is Four Mile Creek located 5500 feet west of the site. However, the area between the site and the creek is flat and poorly drained. It does not appear likely that runoff from the J & T property could enter the Creek.

Four Mile Creek enters Lake Ontario two miles downstream. There are no users of water from the Creek.

Much of the area within one mile of the site is wetlands.

AIR/FIRE/EXPLOSION

The possibility of noticeable air emissions is very low due to the inert nature of the wastes. Likewise, the potential for fire occurring in the fill material is slim, except where contaminated with oil or gasoline from junked cars.

The nearest residence is 1000 feet away. This residence is the nearest off-site structure. Nearly all the land within a one mile radius is either industrial (USAF Plant 38 and SCA Chemical Services) or agricultural (corn, cabbage and orchards). A trailer park is located about one mile west. Except for this trailer park, less than 200 people live within one mile.

DIRECT CONTACT

The site is surrounded by fencing although portions of the fence need repair. There is no suspected hazard from contact with materials found here.

RECOMMENDATIONS/CONCLUSIONS

The material used as fill is largely inert and apparently non-hazardous. No problems were found during inspections. It appears that auto salvage operations have affected this site more than the disposal of wastes. No further action is recommended.

J. T. SALVAGE - Polynuclear Aromatic Hydrocarbon (4/27/82)

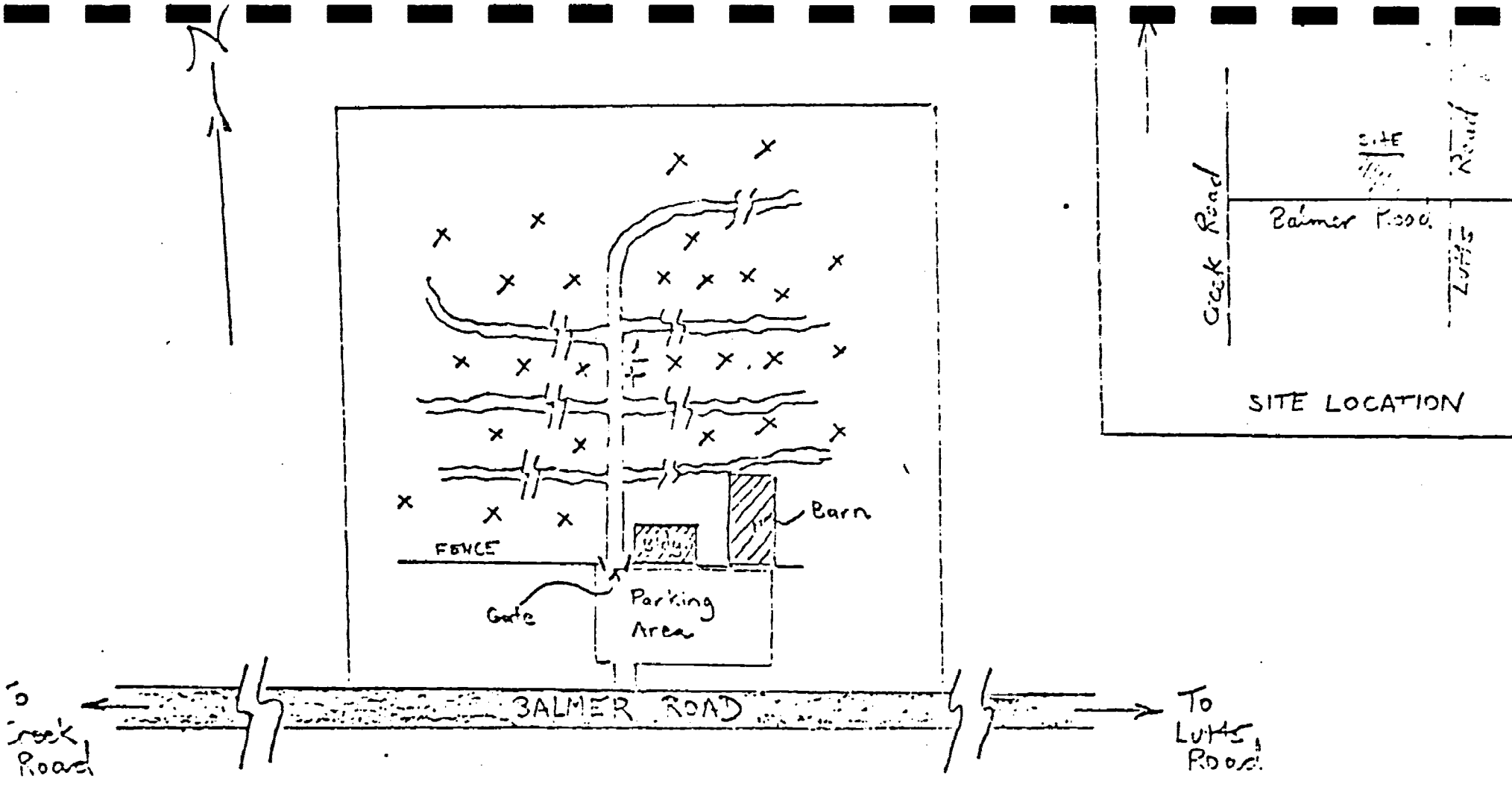
COMPOUND	UNITS OF MEASURE	SAMPLE IDENTIFICATION Station #1
Acenaphthene	ug/g dry	<40
Acenaphthylene	ug/g dry	<70
Anthracene	ug/g dry	5.8
Benzo(a)anthracene	ug/g dry	29
Benzo(a)pyrene	ug/g dry	69
Benzo(b)fluoranthane	ug/g dry	57
Benzo(g,h,i)perylene	ug/g dry	57
Benzo(k)fluoranthene	ug/g dry	36
Chrysene	ug/g dry	42
Dibenzo(a,h)anthracene	ug/g dry	66
Fluoranthene	ug/g dry	53
Fluorene	ug/g dry	2.9
Indeno(1,2,3-cd)pyrene	ug/g dry	27
Naphthalene	ug/g dry	1.3
Phenanthrene	ug/g dry	17
Pyrene	ug/g dry	58

J. T. SALVAGE - Soil Analyses (4/29/82)

PARAMETER	UNITS OF MEASURE	SAMPLE IDENTIFICATION (Station #1)
Arsenic	ug/g dry	1.6
Beryllium	ug/g dry	<0.4
Cadmium	ug/g dry	1.2
Chromium	ug/g dry	5.7
Copper	ug/g dry	22
Lead	ug/g dry	26
Mercury	ug/g dry	<0.2
Nickel	ug/g dry	57
Selenium	ug/g dry	0.83
Silver	ug/g dry	<0.4
Thallium	ug/g dry	<4
Antimony	ug/g dry	99
Zinc	ug/g dry	53,000
Calcium	ug/g dry	37,000
Dry Weight	%	48
Halogenated Organic Scan	ug/g dry as Cl_2 Lindane Standard	2.8
Phenolics	ug/g dry	0.88
Total Polychlorinated Biphenyls	ug/g dry as Aroclor 1242	<1

J.T. SALVAGE - Water Analyses

Phenolics	mg/l	0.32



LEGEND

x- Numerous Junked Automobiles

J.T. SALVAGE
Town of Porter
Niagara County

REF - 12

RECRA RESEARCH, INC.

Hazardous Waste And Toxic Substance Control

April 29, 1982

Mr. John Ryan
New York State Department of
Environmental Conservation
Division of Water Quality Research
Room 519
50 Wolf Road
Albany, NY 12233

Re: Analytical Results

Dear Mr. Ryan:

Please find enclosed Recra Research, Inc.'s results of the analyses of the samples received at our laboratories on March 19, 1982.

If you have any questions concerning these data, do not hesitate to contact the undersigned.

Sincerely,

RECRA RESEARCH, INC.

James A. Ploscyca
Laboratory Manager

DJT/JAP/skb
Enclosure
cc: Mr. Peter Buechi - NYSDEC

I.D. #82-270

4246 Ridge Lea Road Amherst, New York 14226 Telephone (716) 838-6200

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ATOMIC ABSORPTION

Report Date: 4/29/82
Date Received: 3/19/82

SOIL ANALYSIS

COMPOUND	UNITS OF MEASURE	SAMPLE IDENTIFICATION (DATE) R-186-02 (3/19/82) #2
Total antimony	µg/g dry	<8
Total arsenic	µg/g dry	1.6
Total beryllium	µg/g dry	<0.4
Total cadmium	µg/g dry	1.2
Total chromium	µg/g dry	5.7
Total copper	µg/g dry	22
Total lead	µg/g dry	26
Total mercury	µg/g dry	<0.2
Total nickel	µg/g dry	57
Total selenium	µg/g dry	0.83
Total silver	µg/g dry	<0.4
Total thallium	µg/g dry	<4
Total zinc	µg/g dry	99
Total aluminum	µg/g dry	53,000
Total calcium	µg/g dry	37,000

COMMENTS: Results of the analysis of soils are generally corrected for moisture content and reported on a dry weight basis.

FOR RECRA RESEARCH, INC. R. V. Finn

DATE 4/29/82

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
GAS CHROMATOGRAPHY

Report Date: 4/29/82
Date Received: 3/19/82

SOIL ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DATE	PARAMETER (UNITS OF MEASURE)	
		HALOGENATED ORGANIC SCAN - ECD (µg/g DRY AS CHLORINE; LINDANE STANDARD)	DRY WEIGHT (%)
R-184-01	3/19/82 #1	4.4	76
R-184-02	3/19/82 #2	3.1	79
R-186-02	3/19/82 #3	2.8	48

COMMENTS: Halogenated Organic Scan - ECD results are used for screening purposes only and are not designed for qualification or quantification of any specific organic compound. The results are calculated based upon the response factor and chlorine content of lindane, but do not imply either the presence or absence of the compound itself. Halogenated Organic Scan results generally do not include volatile organic constituents.

FOR RECRA RESEARCH, INC. Deborah J. Francis

DATE 4/29/82

RECRA RESEARCH INC.
I.D. #82-270

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Report Date: 4/29/82
Date Received: 3/19/82

SOIL ANALYSIS

PARAMETER	UNITS OF MEASURE	SAMPLE IDENTIFICATION (DATE) R-186-02 (3/19/82)
Total Polychlorinated Biphenyls	µg/g dry as Aroclor 1242	<1
Total Recoverable Phenolics	µg/g dry	0.88

COMMENTS: The sample chromatogram for Total Polychlorinated Biphenyls was qualitatively screened for the presence of nine PCB mixtures (Aroclors). These included Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262, and 1268.

FOR RECRA RESEARCH, INC. Deborah J. Travis

DATE 4/29/82

RECRA RESEARCH INC

I.D. #82-270

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Report Date: 4/29/82
Date Received: 3/19/82

WATER ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DATE	PARAMETER (UNITS OF MEASURE) TOTAL RECOVERABLE PHENOLICS (mg/l)
R-186-01 #2	3/19/82	0.32

→ standard
GW 0.001 PPM
Surface water 0.001 PPM

COMMENTS: All values reported as "less than" (<) indicate the working detection limit for the particular sample and/or parameter.

All analyses were performed according to U.S. Environmental Protection Agency methodologies where applicable.

FOR RECRA RESEARCH, INC. R. V. Zinn

DATE 4/29/82

RECRA RESEARCH INC
I.D. #82-270

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HIGH PRESSURE LIQUID CHROMATOGRAPHY

Report Date: 4/29/82
Date Received: 3/19/82

SOIL ANALYSIS

COMPOUND	UNITS OF MEASURE	SAMPLE IDENTIFICATION (DATE) R-186-02 (3/19/82)
acenaphthene	µg/g dry	<40
acenaphthylene	µg/g dry	<70
anthracene	µg/g dry	5.8
benzo(a)anthracene	µg/g dry	29
benzo(a)pyrene	µg/g dry	69
benzo(b)fluoranthene	µg/g dry	57
benzo(g,h,i)perylene	µg/g dry	57
benzo(k)fluoranthene	µg/g dry	36
chrysene	µg/g dry	42
dibenzo(a,h)anthracene	µg/g dry	66
fluoranthene	µg/g dry	53
fluorene	µg/g dry	2.9
indeno(1,2,3-cd)pyrene	µg/g dry	27
naphthalene	µg/g dry	1.3
phenanthrene	µg/g dry	17
pyrene	µg/g dry	58

COMMENTS: Polynuclear Aromatic Hydrocarbon (PAH's) analysis of soils was performed by mixing equal portions of sample (by weight) with anhydrous sodium sulfate prior to sixteen-hour extraction with 1:1 hexane:acetone in a Soxhlet apparatus. All extracts were subjected to Silica Gel column cleanup according to EPA Method 610 prior to High Pressure Liquid Chromatographic (HPLC) analysis using ultra-violet detection at 254 nm.

FOR RECRA RESEARCH, INC. Stephen T Frost

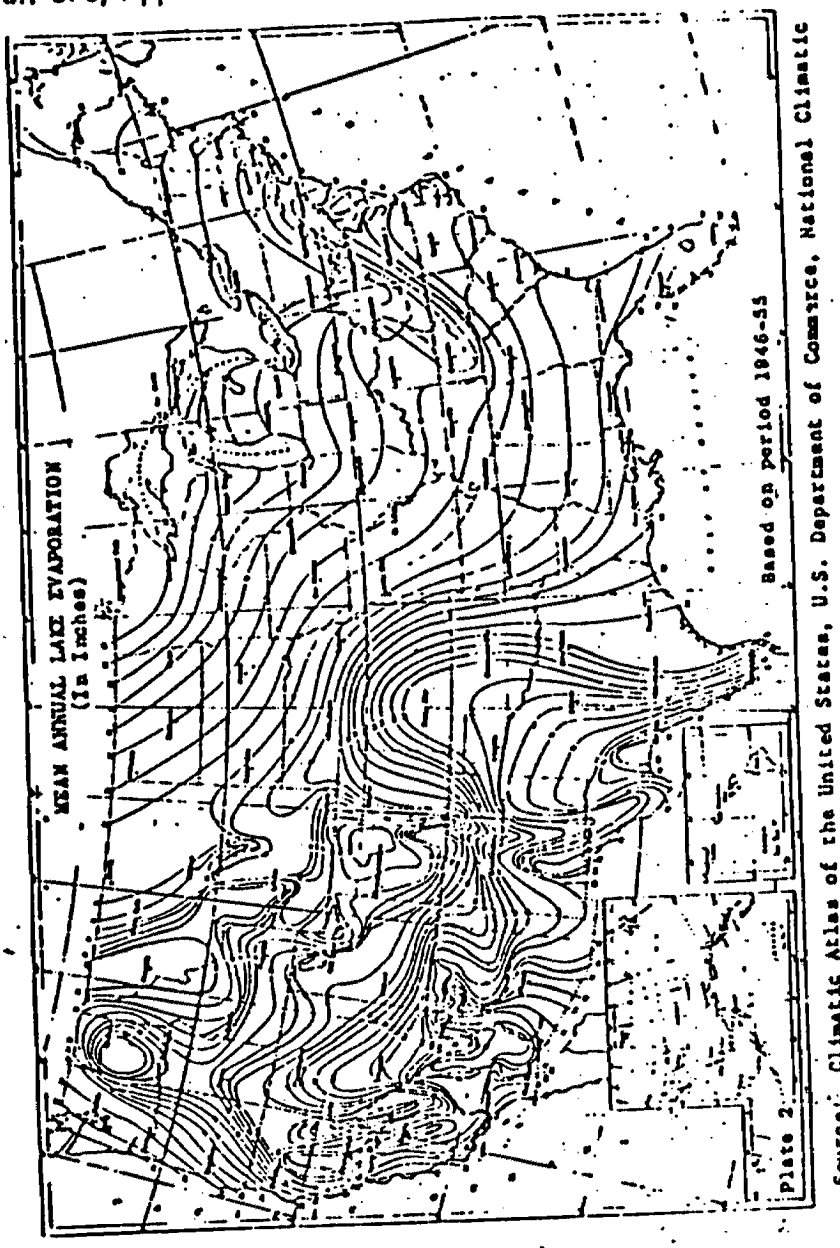
DATE 4/30/82

RECRA RESEARCH INC
D. 082-270

US CENSUS DATA, 1980

US Census Data used in the HRS scoring was obtained from various County Planning Offices. This data was not obtained from a report. The raw census data combined with County Planning Maps was used to estimate the population within 1, 2, 3, and 4 miles of the Phase I site being investigated. Because of the voluminous amount of data used, the data is not provided in this Appendix.

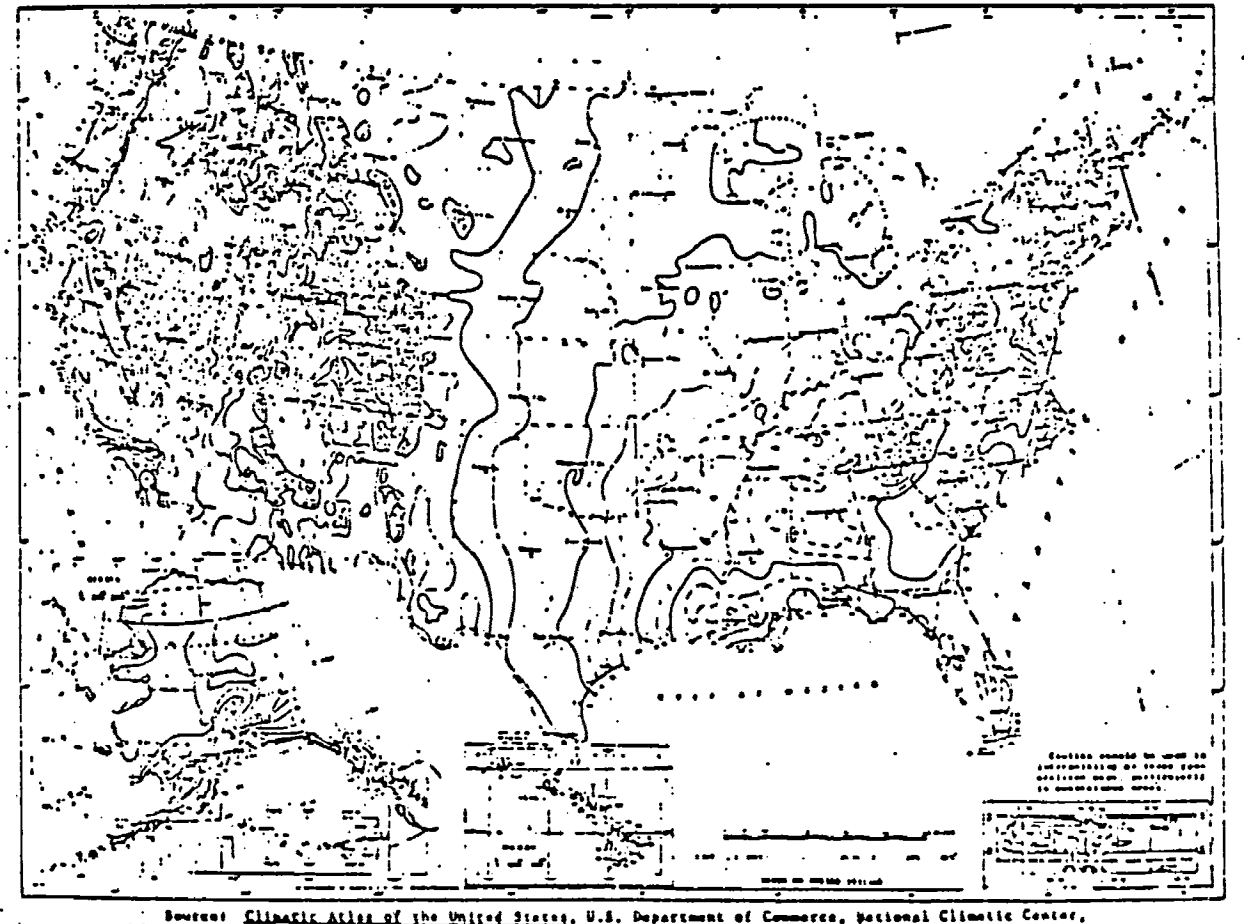
REF-15



Source: Climatic Atlas of the United States, U.S. Department of Commerce, National Climatic Center, Ashville, N.C., 1979.

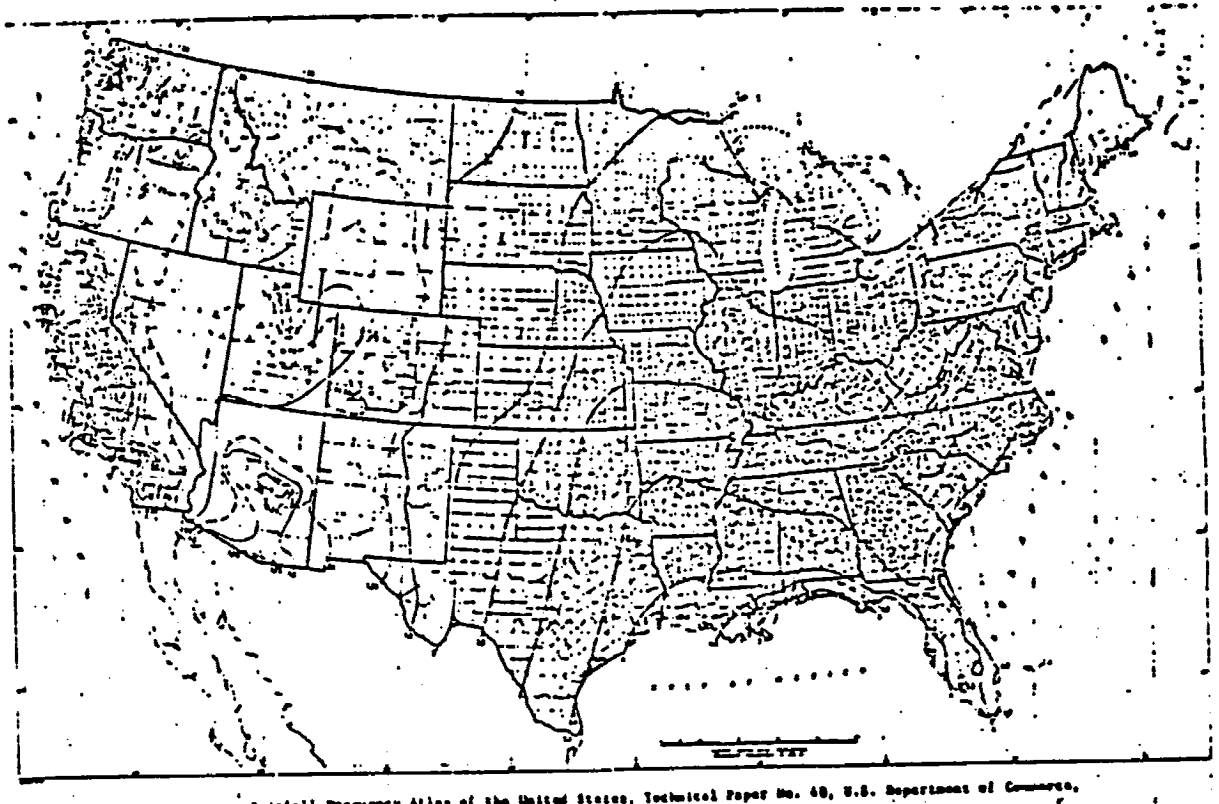
Figure 4

Mean Annual Lake Evaporation (In Inches)



Source: Climatic Atlas of the United States, U.S. Department of Commerce, National Climatic Center, Asheville, N.C., 1979.

Figure 5
Normal Annual Total Precipitation (inches)

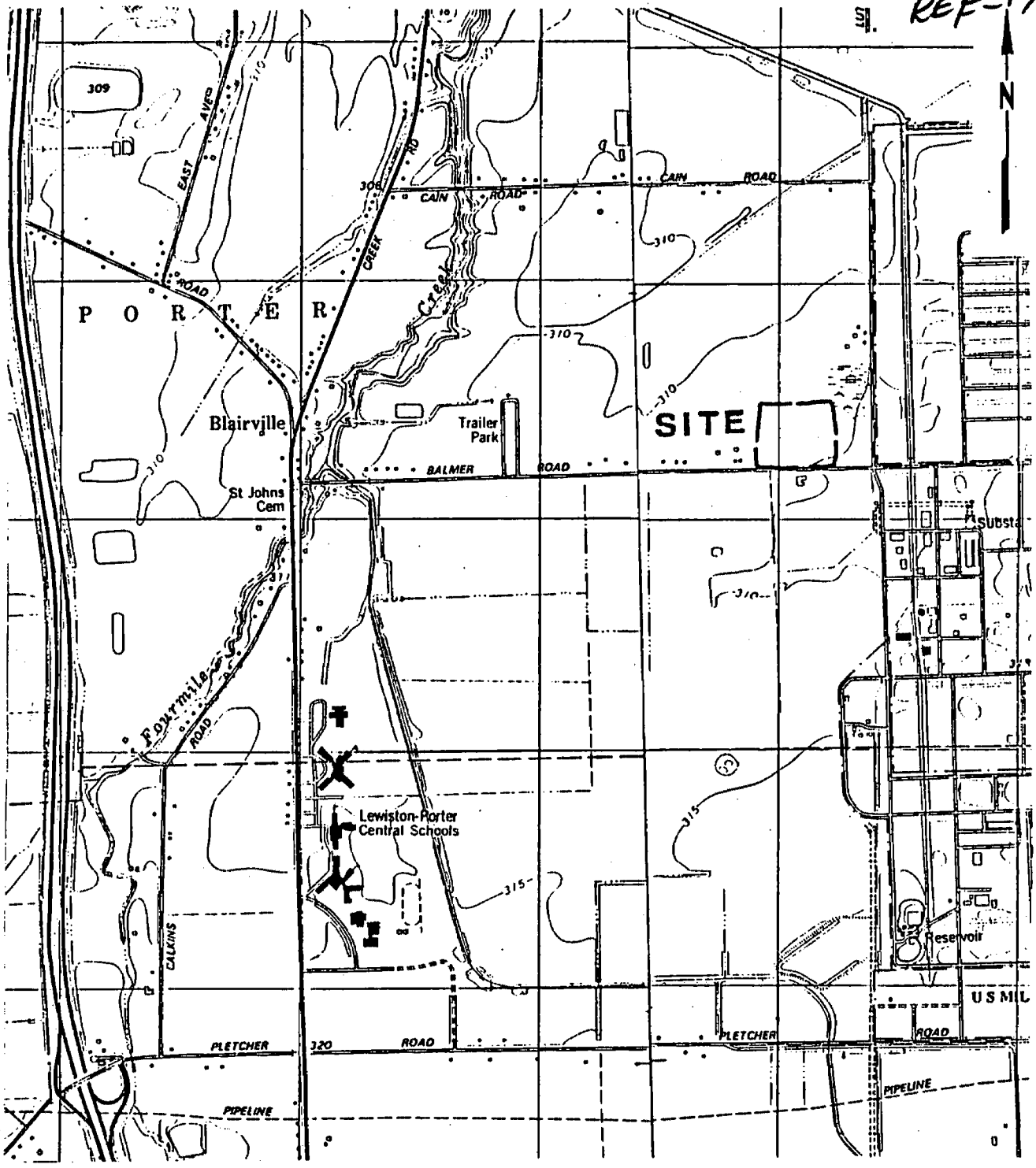


Source: Rainfall Frequency Atlas of the United States, Technical Paper No. 40, U.S. Department of Commerce, U.S. Government Printing Office, Washington, D.C., 1963.

Figure 8

1-Year 24-Hour Rainfall (Inches)

REF-17



LATITUDE: 43°13'56"
LONGITUDE: 79°00'36"

SCALE

0 1000 2000 3000 4000 FEET

ENGINEERING-SCIENCE, INC.
IN ASSOCIATION WITH
DAMES & MOORE

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

SITE LOCATION MAP

J.T. SALVAGE

FIGURE I-1

REFERENCE: U.S.G.S. 7.5' Topographic Map
Lewiston, NY-ONT. (1980) and Ransomville,
NY (1980) Quadrangles

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

EPA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 000141573

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
J&T Auto Salvage	1209 Balmer Rd				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
Porter (Youngstown for mail)	NY	14174	Niagara	063	36
09 COORDINATES LATITUDE: 43° 13' 56"	LONGITUDE: 79° 00' 36"				

10 DIRECTIONS TO SITE (Starting from nearest public road)
North on Creek Rd (Rte 18) from Lewiston. Turn Right on Balmer Rd after passing thru Olairsville. Site is at 1209 Balmer Rd, on north side, between Creek Rd & Lutts Rd.

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)			
Charles Boos	1209 Balmer Rd			
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 TELEPHONE NUMBER**	
Youngstown	NY	14174	(716) 745-3973 7079	
07 OPERATOR (If known and different from owner)	**08 STREET** (Business, mailing, residential)			
09 CITY	**10 STATE**	**11 ZIP CODE**	**12 TELEPHONE NUMBER**	
			( )	

13 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES ☐ NO DATE 3 / 19 / 82 (MONTH DAY YEAR)

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
~1960 (BEGINNING YEAR) | 1984 (?) (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
fill: 40% materials from demolished brick buildings
50% bottom ash
5% road construction debris
5% fused Al_2O_3, silicon ——, furnace sand, coal.
Also: oil, etc. from junked cars

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☒ C. LOW (Inspection on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
S. Robert STEELE, II	Engineering-Science	(703) 591-7575

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
SA Tiffany		Engineering-Science	(703) 591-7575	3 / 8 / 85 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	800743

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A. SOLID
- [X] B. POWDER, FINES
- [ ] C. SLUDGE
- [ ] D. OTHER (Specify)
- [ ] E. SLURRY
- [ ] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS
CUBIC YARDS 5,350
NO. OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- [ ] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [X] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [ ] G. FLAMMABLE
- [ ] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	5,350	CY	Wastes disposed on site include construction debris, furnace & some aluminum oxide fire brick, grinding wheels. Also waste oil on site from junked cars
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	copper	7440-50-8	contained in fill material	22;	mg/g dry
MES	lead	7439-92-1	"	26;	"
MES	nickel	7440-02-0	"	57;	"
MES	mercury	7439-97-6	"	<0.2	"
MES	zinc	7440-66-6	"	99;	"
OCC	benzo-a-pyrene	50-32-8	"	69	"
OCC	benzo-b-fluoranthene	205-99-2	"	57	"
OCC	benzo-g,h,i-perylene	191-24-2	"	57	"
OCC	dibenzo-a,h-anthracene	53-70-3	"	66	"
OCC	fluoranthene	206-44-0	"	53	"
OCC	pyrene	129-00-00	"	58	"
OCC	chrysene	218-01-9	"	42	"
MES	aluminum	7429-90-5	"	53,000	"
MES	chromium, total	7440-47-9	"	5.7	"

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- letter from Charles Boos, Surrey, to Charles Goddard, NYDEC 11/14/84
- site inspection by ES/DFM on 2/13/85
- RECRA Research, Inc. 4/29/82

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
UT	8902418

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	0320414158

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

UNKnown

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

unknown

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

UNKnown

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNline fill area

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NO

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NO

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NO

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

NONE

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

- letter from Charles Buck, owner, to Charles Goddard, NYSDEC 11/14/84
- Niagara County ~~Dept~~ Health Dept Profile 1982/83(?)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: D000141158

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
J & T Auto Salvage	1209 Balmer Rd				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
Porter (Youngstown for mail)	NY	14174	Niagara	063	36

09 COORDINATES		10 TYPE OF OWNERSHIP (Check one)
LATITUDE	LONGITUDE	☒ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER _____ ☐ G. UNKNOWN
43° 13' 56.__	78° 00' 36.__	

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
3 / 18 / 85 (MONTH DAY YEAR)	☒ ACTIVE ☐ INACTIVE	~1960 (BEGINNING YEAR) / 1984 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR Engineering - Science (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR Ecology & Environment (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
S. Robert Steele II	Environmental Scientist	ES	(703) 591-7575
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Eileen Gilligan	Geologist	NEM	(315) 638-2572
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Mr Charles Goos	OWNER	1209 Balmer Road Youngstown, NY 14174	(716) 278-6072
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	11:30 AM	COLD & SUNNY

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
S. Robert STEELE, II	Engineering — Science (ES)	(703) 591-7575

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
S. ROBERT STEELE, II		ES	703(591-7575	3 / 18 / 85 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	0001415B

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A. SOLID
- [X] B. POWDER, FINES
- [ ] C. SLUDGE
- [ ] D. OTHER (Specify) _____
- [ ] E. SLURRY
- [ ] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS 5,350
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- [ ] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [X] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [ ] G. FLAMMABLE
- [ ] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	5350	Cubic yards	WASTES disposed on-site include construction debris, furnace sand, Aluminum oxide fire brick, grinding wheels. Also waste oil on site from junked cars.
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	Copper	7440-50-8	Contained in fill material and/or soil	22;	ug/g dry
MES	lead	7439-92-1	"	26;	"
MES	nickel	7440-02-0	"	57;	"
MES	mercury	7439-97-6	"	<0.2	"
MES	zinc	7440-66-6	"	99;	"
OCC	benzo-a-pyrene	50-32-8	"	69	"
OCC	benzo-b-fluoranthene	205-99-2	"	57	"
OCC	benzo-ghi-perylene	191-24-2	"	57	"
OCC	dibenzo-ah-anthracene	53-70-3	"	66	"
OCC	fluoranthene	206-44-0	"	53	"
OCC	pyrene	129-0-00	"	58	"
OCC	chrysene	218-01-9	"	42	"
MES	aluminum	7429-90-5	"	53,000	"
MES	chromium, total	7440-47-3	"	5.7;	"

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- letter from Charles Boos, owner, to Charles Goddard, NYDEC 11/14/84
- Site Inspection by ES and OEM on 3/18/85
- Peirce Research Inc. 4/29/82

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	20204158

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ______ — 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ______ — 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ______ — 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ______ — 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ______ — 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: ______ (Acres) — 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ______ — 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: ______ — 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ______ — 04 NARRATIVE DESCRIPTION

UNKNOWN

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	0004158

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

UNKNOWN

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNLINE fill area

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NO

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NO

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NO

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

NONE

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- letter from Charles Bucks, [illegible] to Charles Goddard, NYSDEC 11/14/84
- Niagara County ~~Dept~~ Health Dept profile 1982/83(?)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	2000[illegible]75

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☒ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☒ I. OTHER (Specify) fill operation	5350	cubic yards

04 TREATMENT (Check all that apply)
- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify) N/A

05 OTHER
- ☒ A. BUILDINGS ON SITE

06 AREA OF SITE
10 (Acres)

07 COMMENTS
The junk yard is a 10 acre site of which approximately 1/3 or 3.5 acres has been filled with inert materials including demolition material, fire brick, furnace sand aluminum oxide, bottom ash, road construction material ect. Waste volume estimated is: 3.5 x 43,560 SF x 1' of fill x 1/27 = Approx. 5,350 cubic yards

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☒ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.
All materials were placed directly on the ground and spread as fill.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO

02 COMMENTS
The junk yard site is fenced on three sides.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

- NY State DEC Site Inspection Report
- Letter from Charles Ross, owner, to Niagara County Health Dept 2/1/76.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 0000 4158

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A. ☒	B. ☐
NON-COMMUNITY	C. ☐	D. ☒

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ☐
D. ☐	E. ☐	F. ☐

03 DISTANCE TO SITE
A. > 2 (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☒ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER ~ 40

03 DISTANCE TO NEAREST DRINKING WATER WELL 0.19 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
Unknown (ft)	Unknown	Unknown (ft)	Unknown (gpd)	☐ YES ☐ NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings)

Numerous private water wells are in this rural area, located in the low yield shale aquifer

10 RECHARGE AREA		11 DISCHARGE AREA	
☐ YES ☐ NO	COMMENTS: Unknown	☐ YES ☐ NO	COMMENTS: Unknown

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☐ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☒ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Four Mile	☐	1.0 (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 972 NO. OF PERSONS	B. 3042 NO. OF PERSONS	C. 7860 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: 1 mile (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE: ~ 800 — Topo map

04 DISTANCE TO NEAREST OFF-SITE BUILDING: 1 mile (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Rural area with homes widely spaced. A trailer park is located one mile west of the site.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 0000 14158

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☒ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☒ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
unknown (ft)	(ft)		

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
9 (in)	2.1 (in)	0.0 %	N/A	< 1.0 %

09 FLOOD POTENTIAL: SITE IS IN > 100 YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. > 2 (mi)	B. < 1.0 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

MIGRATORY BIRDS > 1 (mi)

ENDANGERED SPECIES: HALIAEETUS LEUCOCEPH AQUILA CHRYSAETOS FALCO PEREGRENES

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A. < 1.0 (mi)	B. < 1.0 (mi)	C. unknown (mi)	D. < 1.0 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Natural ground surface was flat-lying & poorly drained. Area is very flat; site is level with surrounding property

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site visit 1985
USGS topo sheets

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	0000141582

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
HNu meter	All readings for volatile organics were less than 1 ppm

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF Engineering - Science
(Name of organization or individual)

03 MAPS ☐ YES ☐ NO

04 LOCATION OF MAPS

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

SITE MAP WAS verified and updated during site inspection

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- Site Inspection Conducted by ES and OEM, 3/13/85

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	00004153

II. CURRENT OWNER(S) / PARENT COMPANY *(if applicable)*

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Charles Boos			
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	**04 SIC CODE**	**10 STREET ADDRESS** *(P.O. Box, RFD #, etc.)*	**11 SIC CODE**
1209 Balmer Rd			
05 CITY / 06 STATE / 07 ZIP CODE		**12 CITY / 13 STATE / 14 ZIP CODE**	
Youngstown / NY / 14174			

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	**04 SIC CODE**	**10 STREET ADDRESS** *(P.O. Box, RFD #, etc.)*	**11 SIC CODE**
05 CITY / 06 STATE / 07 ZIP CODE		**12 CITY / 13 STATE / 14 ZIP CODE**	

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	**04 SIC CODE**	**10 STREET ADDRESS** *(P.O. Box, RFD #, etc.)*	**11 SIC CODE**
05 CITY / 06 STATE / 07 ZIP CODE		**12 CITY / 13 STATE / 14 ZIP CODE**	

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	**04 SIC CODE**	**10 STREET ADDRESS** *(P.O. Box, RFD #, etc.)*	**11 SIC CODE**
05 CITY / 06 STATE / 07 ZIP CODE		**12 CITY / 13 STATE / 14 ZIP CODE**	

III. PREVIOUS OWNER(S) *(List most recent first)* / IV. REALTY OWNER(S) *(If applicable; list most recent first)*

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
John S. Kulck			
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	**04 SIC CODE**	**03 STREET ADDRESS** *(P.O. Box, RFD #, etc.)*	**04 SIC CODE**
05 CITY / 06 STATE / 07 ZIP CODE		**05 CITY / 06 STATE / 07 ZIP CODE**	

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	**04 SIC CODE**	**03 STREET ADDRESS** *(P.O. Box, RFD #, etc.)*	**04 SIC CODE**
05 CITY / 06 STATE / 07 ZIP CODE		**05 CITY / 06 STATE / 07 ZIP CODE**	

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	**04 SIC CODE**	**03 STREET ADDRESS** *(P.O. Box, RFD #, etc.)*	**04 SIC CODE**
05 CITY / 06 STATE / 07 ZIP CODE		**05 CITY / 06 STATE / 07 ZIP CODE**	

V. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

- NYS DEC Site Inspection Report
- Charles Boos, owner - Telephone interview 3/11/85

EPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	2009141?3

II. CURRENT OPERATOR (Provide if different from owner) / OPERATOR'S PARENT COMPANY (If applicable)

01 NAME: Mr. Charles Boos		02 D+B NUMBER:	10 NAME:		11 D+B NUMBER:	
03 STREET ADDRESS (P.O. Box, RFD #, etc.): 1209 Balmer Road		04 SIC CODE:	12 STREET ADDRESS (P.O. Box, RFD #, etc.):		13 SIC CODE:	
05 CITY: Youngstown	06 STATE: NY	07 ZIP CODE: 14174	14 CITY:	15 STATE:	16 ZIP CODE:	
08 YEARS OF OPERATION: 1975-present	09 NAME OF OWNER: SAME					

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner) / PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

01 NAME: John S. Kulak		02 D+B NUMBER:	10 NAME:		11 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.):		04 SIC CODE:	12 STREET ADDRESS (P.O. Box, RFD #, etc.):		13 SIC CODE:
05 CITY:	06 STATE:	07 ZIP CODE:	14 CITY:	15 STATE:	16 ZIP CODE:
08 YEARS OF OPERATION: 1963-1975	09 NAME OF OWNER DURING THIS PERIOD: Same				
01 NAME:		02 D+B NUMBER:	10 NAME:		11 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.):		04 SIC CODE:	12 STREET ADDRESS (P.O. Box, RFD #, etc.):		13 SIC CODE:
05 CITY:	06 STATE:	07 ZIP CODE:	14 CITY:	15 STATE:	16 ZIP CODE:
08 YEARS OF OPERATION:	09 NAME OF OWNER DURING THIS PERIOD:				
01 NAME:		02 D+B NUMBER:	10 NAME:		11 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.):		04 SIC CODE:	12 STREET ADDRESS (P.O. Box, RFD #, etc.):		13 SIC CODE:
05 CITY:	06 STATE:	07 ZIP CODE:	14 CITY:	15 STATE:	16 ZIP CODE:
08 YEARS OF OPERATION:	09 NAME OF OWNER DURING THIS PERIOD:				

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- NYS DEC SITE Inspection Report
- Interview of Mr Boos during Site Inspection conducted by ES and DEM, 3/18/85

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	200?4158

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**
05 CITY / **06 STATE** / **07 ZIP CODE**	

NO Off-site waste materials (ie, foundry sands, construction debris, grinding wheels) are presently used as fill on-site. Generator listed to left is for the period 1977-1980

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
The Carborundum Co.			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**04 SIC CODE**
Buffalo Ave			
05 CITY / **06 STATE** / **07 ZIP CODE**		**05 CITY** / **06 STATE** / **07 ZIP CODE**	
Niagara Falls / NY			
01 NAME	**02 D+B NUMBER**	**01 NAME**	**02 D+B NUMBER**
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**04 SIC CODE**
05 CITY / **06 STATE** / **07 ZIP CODE**		**05 CITY** / **06 STATE** / **07 ZIP CODE**	

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
The Carborundum Co			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**04 SIC CODE**
Buffalo Ave			
05 CITY / **06 STATE** / **07 ZIP CODE**		**05 CITY** / **06 STATE** / **07 ZIP CODE**	
Niagara Falls / NY			
01 NAME	**02 D+B NUMBER**	**01 NAME**	**02 D+B NUMBER**
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**04 SIC CODE**
05 CITY / **06 STATE** / **07 ZIP CODE**		**05 CITY** / **06 STATE** / **07 ZIP CODE**	

V. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

Site Inspection conducted by E.S and GZM, 3/18/85

Letter from Mr Charles Boos, J.T. Salvage Company to Charles Goddard, NYS DEC, Bureau of Hazardous Site Control

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: D000141158

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: Used motor oil contained in tank

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NO

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 0.000/41158

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No remedial activities have been performed

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site Visit 85/Dem 3/18/85

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	000014158

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

NYSDEC, ENVIRONMENTAL ENFORCEMENT DIVISION.

NYS, ATTORNEY GENERALS OFFICE

SECTION VI

ASSESSMENT OF DATA ADEQUACY AND RECOMMENDATIONS

ASSESSMENT OF DATA ADEQUACY

A summary assessment of the adequacy of existing data for completion of the HRS score is presented in Table VI-1. Based on this assessment, the following Phase II work plan and cost estimate has been prepared.

PHASE II WORK PLAN

Objectives

The objectives of the Phase II activities are:

- To collect additional field data necessary to identify the occurrence and extent of contamination and to determine if any imminent health hazard exists.
- To perform a conceptual evaluation of remedial alternatives and estimate budgetary costs for the most likely alternative.
- To prepare a site investigation report including final HRS score.

The additional field data required to complete this investigation should be conducted following a two step approach. Step 1 is intended to characterize the wastes on-site. If contaminants are detected during this portion of the study, additional monitoring, as outlined below, will be conducted.

Phase II - Step 1

Waste Characterization - A monitoring system consisting of 6 auger test pits should be placed at various locations within the filled portion of the site. Test pit samples will be taken at a depth of 2-3 feet and analyzed for priority pollutants.

Phase II - Step 2

Geophysical Survey - A geophysical study consisting of an electrical resistivity survey is recommended. The electrical resistivity survey will be performed at various locations within and beyond the perimeter of the site to investigate site stratigraphy and delineate significant discontinuities.

Groundwater - A groundwater monitoring system consisting of 3 wells is recommended. Borings will be drilled to a maximum depth of 30 feet; soil samples will be taken every 5 feet or more frequently if a change in soil lithology is encountered. The wells will be placed in the aquifer of concern and constructed of 2" PVC pipe. The groundwater samples will be analyzed for priority pollutants. In addition, sieve and hydrometer analyses will be performed on representative samples of the subsurface soils. Finally, an in-situ permeability test will be performed on each well.

Surface Water and Sediment - A surface water and sediment monitoring system consisting of one monitoring station is recommended. One station (S-1) will be downgradient of the site in the unnamed swamp northeast of the site. The surface water and sediment samples will be analyzed for priority pollutants.

Air - An air monitoring survey with an HNU meter is recommended to test the air quality during site activities.

TASK DESCRIPTION

The proposed Phase II tasks are described in Table VI-2 as required under the site specific health and safety plan and quality assurance plan which must be submitted prior to initiation of field activities. The proposed monitoring well and sampling locations are presented in Figure VI-1.

COST ESTIMATE

The estimated man-hours required for the Phase II project are presented in Table VI-3 and the estimated project costs by tasks are presented in Table VI-4. The estimate total cost for this project is $65,694.

TABLE VI-1

ASSESSMENT OF DATA ADEQUACY

HRS Data Requirement	Comments on Data
Observed Release	
Groundwater	Inadequate to score observed release
Surface Water	Inadequate to score observed release
Air	Adequate, no observed release
Route Characteristics	
Groundwater	Inadequate for HRS score
Surface Water	Adequate for HRS score
Air	Not applicable, no observed release
Containment	Adequate for HRS score
Waste Characteristics	Total waste quantity assumed, additional sampling needed
Targets	Adequate for HRS score
Observed Incident	Adequate for HRS score
Accessibility	Adequate for HRS score

TABLE VI-2

PHASE II WORK PLAN - TASK DESCRIPTION

Tasks		Description of Task
II-A	Update Work Plan	Review the information in the Phase I report, conduct a site visit, and revise the Phase II work plan.
II-B	Conduct Geophysical Studies	Conduct resistivity survey.
II-C	Conduct Boring/Install Monitoring Wells	Install 1 upgradient and 2 downgradient wells. The borings will be drilled to a depth of approximately 30 feet. Wells will be constructed of 2" PVC pipe.
II-D	Construct Test Pits/Auger Holes	No further construction of test pits/auger holes necessary.
II-E	Perform Sampling & Analysis	
	Soil samples from borings	Soil samples collected at 5 ft. intervals during drilling and at changes in subsurface lithologies. Perform one grain size analysis and permeability test per subsurface lithology change.
	Soil samples from surface soils	One surface soil sample is to be collected and analyzed for priority pollutants.
	Soil samples from auger holes/test pits	6 test pit samples are to be collected and analyzed for priority pollutants.
	Sediment samples from surface water	1 sediment sample is to be collected and analyzed for priority pollutants.
	Groundwater samples	3 groundwater samples are to be collected and analyzed for priority pollutants.
	Surface water samples	1 surface water sample is to be collected and analyzed for priority pollutants.

TABLE VI-2 (Continued)

PHASE II WORK PLAN - TASK DESCRIPTION

Tasks		Description of Task
	Air samples	Using the HNU determine the presence of organics.
	Waste Samples	Waste characterization study - auger/test pits.
II-F	Calculate Final HRS	Based on the field data collected in Tasks II-B - II-E, complete the HRS form.
II-G	Conduct Site Assessment	Prepare final report containing significant Phase I information, additional field data, final HRS and HRS documentation records, and site assessments. The site assessment will consist of a conceptual evaluation of alternatives and a preliminary cost estimate of the most probable alternative.
II-H	Project Management	Project coordination, administration and reporting.

TABLE VI-3

PERSONNEL RESOURCES BY TASK

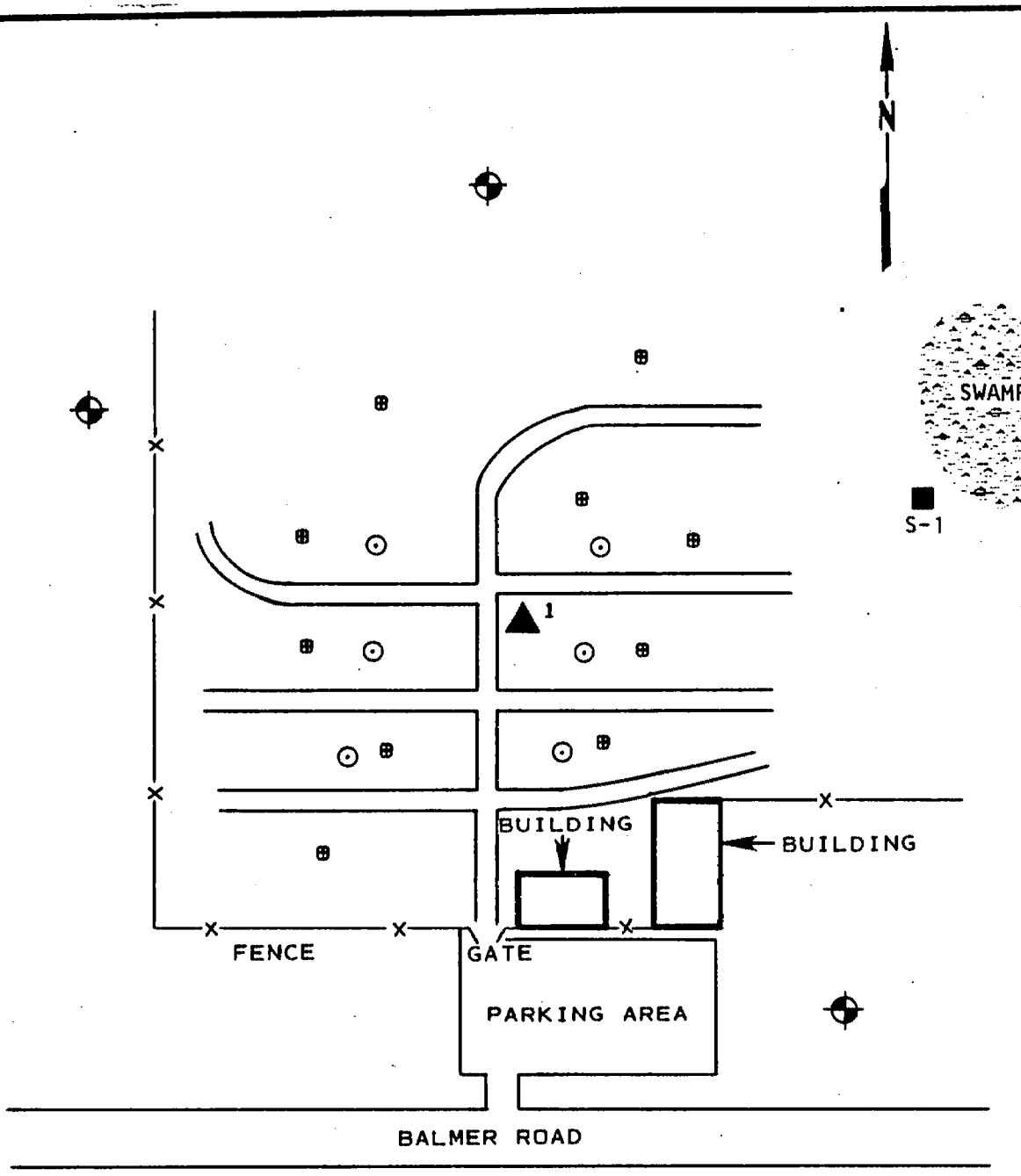
PHASE II HRS SITE INVESTIGATION (SITE: J & T AUTO SALVAGE)

TASK DESCRIPTION	TEAM MEMBERS, MANHOURS													
	PIC	TRB	PM	DPM	PCM	QAM	HSM	FTL	FT	RAAL	RAAT	SS	TOTAL HOURS	TOTAL $
II-A UPDATE WORK PLAN	1	1	8	4		4	4	16		8		28	74	1144.1
II-B CONDUCT GEOPHYSICAL STUDIES			4	4			4	12	160			40	224	2302.56
II-C CONDUCT BORING/INSTALL MONITORING WELLS			8	16		4	4	16	60			40	148	1946.12
II-D CONSTRUCT TEST PITS/AUGER HOLES			8	16		4	4	16	40			20	108	1611.72
II-E PERFORM SAMPLING AND ANALYSIS														
SOIL SAMPLES FROM BORINGS			4	4		2	2	4	16			16	48	614.5
SOIL SAMPLES FROM SURFACE SOILS			4	4		2	2	4	8				24	421.38
SOIL SAMPLES FROM TEST PITS AND AUGER HOLES			4	8		2	2	4	16			16	52	731.9
SEDIMENT SAMPLES FROM SURFACE WATER			4	4		1	1	4	16			8	38	529.19
GROUND-WATER SAMPLES			4	2		1	1	4	16			4	32	440.81
SURFACE WATER SAMPLES			4	4		1	1	4	16			8	38	529.19
AIR SAMPLES			2	2			1	2	4				11	199.77
WASTE SAMPLES													0	0
II-F CALCULATE FINAL HRS			4	4				4	4	2		4	22	394.56
II-G CONDUCT SITE ASSESSMENT	2	2	8	4				24	32	12	40	50	174	2275.72
II-H PROJECT MANAGEMENT	2		6	2	3	4	4					12	33	529.88
TOTALS	5	3	72	78	3	25	30	114	388	22	40	246	1026	13671.4

TABLE VI-4
COST ESTIMATE BREAKDOWN BY TASK
PHASE II HRS SITE INVESTIGATION (SITE: J & T AUTO SALVAGE)

TASK DESCRIPTION	DIRECT LABOR HOURS	DIRECT LABOR COST	OTHER DIRECT COSTS (ODC), $ LAB ANALYSIS	TRAVEL AND SUBSISTANCE	SUPPLIES	EQUIP. CHARGES	SUBCON-TRACTORS	MISC.	SUBTOTAL ODC	TOTAL ($)
II-A UPDATE WORK PLAN	74	$1,144.10		$200.00	$50.00	$50.00		$50.00	$350.00	$1,494.10
II-B CONDUCT GEOPHYSICAL STUDIES	224	$2,302.56		$1,750.00	$50.00	$350.00		$25.00	$2,175.00	$4,477.56
II-C CONDUCT BORING/INSTALL MONITORING WELLS	148	$1,946.12		$475.00	$300.00	$600.00	$3,600.00	$250.00	$5,225.00	$7,171.12
II-D CONSTRUCT TEST PITS/AUGER HOLES	108	$1,611.72		$750.00	$50.00	$200.00		$200.00	$1,200.00	$2,811.72
II-E PERFORM SAMPLING AND ANALYSIS										
SOIL SAMPLES FROM BORINGS	48	$614.50			$100.00	$150.00		$50.00	$300.00	$914.50
SOIL SAMPLES FROM SURFACE SOILS	24	$421.38	$1,600.00		$50.00	$50.00			$1,700.00	$2,121.38
SOIL SAMPLES FROM TEST PITS AND AUGER HOLES	52	$731.90	$7,200.00	$300.00	$300.00	$200.00		$100.00	$8,100.00	$8,831.90
SEDIMENT SAMPLES FROM SURFACE WATER	38	$529.19	$1,600.00	$85.00	$20.00	$75.00		$50.00	$1,830.00	$2,359.19
GROUND-WATER SAMPLES	32	$440.81	$3,600.00	$150.00	$60.00	$150.00		$50.00	$4,010.00	$4,450.81
SURFACE WATER SAMPLES	38	$529.19	$1,200.00	$85.00	$20.00	$75.00		$50.00	$1,430.00	$1,959.19
AIR SAMPLES	11	$199.77				$60.00			$60.00	$259.77
WASTE SAMPLES	0	$0.00							$0.00	$0.00
II-F CALCULATE FINAL HRS	22	$394.56			$150.00	$150.00		$20.00	$320.00	$714.56
II-G CONDUCT SITE ASSESSMENT	174	$2,275.72			$750.00	$300.00		$75.00	$1,125.00	$3,400.72
II-H PROJECT MANAGEMENT	33	$529.88	$400.00	$300.00	$150.00	$50.00		$50.00	$950.00	$1,479.88
TOTALS	1026	$13,671.40	$15,600.00	$4,095.00	$2,050.00	$2,460.00	$3,600.00	$970.00	$28,775.00	$42,446.40

OVERHEAD=	$19,522.76
SUBTOTAL=	$61,969.16
FEE=	$3,724.55
TOTAL PROJECT COST=	$65,693.71



NOT TO SCALE

EXPLANATION:

- ⊙ PROPOSED TEST PIT LOCATIONS
- ⊞ NUMEROUS JUNKED AUTOMOBILES
- ▲ WATER AND SOIL SAMPLE
- ⌖ PROPOSED GROUNDWATER MONITORING WELL
- ■ PROPOSED SURFACE WATER AND SEDIMENT SAMPLE

ENGINEERING-SCIENCE, INC.
IN ASSOCIATION WITH
DAMES & MOORE

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

PROPOSED SAMPLE LOCATIONS

J.T. SALVAGE

FIGURE VI-1

APPENDIX A

REFERENCES

Sources Contacted

Documentation

SOURCES CONTACTED FOR
J & T AUTOMOTIVE SALVAGE INVESTIGATION

CONTACT	DATE CONTACTED	PERSON CONTACTED	TELEPHONE NUMBER	LOCATION	INFORMATION COLLECTED
USEPA Headquarters, Superfund Office	4/2/85	Hamid Saebfed	(202) 382-4839	401 M Street, NW Washington, D.C. 20460	Reviewed list of sites to determine if additional information was available.
USEPA - Region II, OERR	3/22/85	Mel Hauptman	(212) 264-7681	Room 402 26 Federal Plaza NY, NY 10278	General information from site files.
NYSDEC - Division of Solid and Hazardous	12/19/84	Marsden Chen	(518) 457-0639	50 Wolf Road Albany, NY 12233	General information from site files.
NYSDEC - Division of Water	12/19/84	Sal Pagano	(518) 457-6675	50 Wolf Road Albany, NY 12233	Mr. Pagano set up meetings with three bureaus within Division of Water.
NYSDEC - Division of Water SPDES Files	12/20/84	Bob Hannaford	(518) 457-6716	50 Wolf Road Albany, NY 12233	Reviewed SPDES Files for permit numbers and conditions.
NYSDEC - Division of Water DMR Files	12/21/84	George Hansen	(518) 457-2010	50 Wolf Road Albany, NY 12233	Reviewed DMR files for discharge violations.
NYSDEC - Division of Air Toxics	12/21/84	Art Fossa	(518) 457-7454	50 Wolf Road Albany, NY 12233	Reviewed site list to identify sites with potential air emissions.
NYSDEC - Division of Monitoring and Assessment	12/21/84	Bill Berner Frank Estabrooks Fred Van Alstyne	(518) 457-7363 (518) 457-7363 (518) 457-7363	50 Wolf Road Albany, NY 12233	Reviewed geology and monitoring information for specific sites.

SOURCES CONTACTED FOR
J & T AUTOMOTIVE SALVAGE INVESTIGATION

CONTACT	DATE CONTACTED	PERSON CONTACTED	TELEPHONE NUMBER	LOCATION	INFORMATION COLLECTED
NYSDEC - Division of Environmental Enforcement	12/20/84	Kevin Walter	(518) 457-4346	50 Wolf Road Albany, NY 12233	Reviewed list of sites to determine if legal action has occurred in the past, is in progress, and/or is scheduled in the near future.
NYS - Attorney General's Office, Dept. of Law	1/7/85	Val Washington	(518) 473-3105	Empire State Plaza Justice Building Albany, NY 12233	Reviewed list of sites to determine if legal action has occurred in the past, is in progress, and/or is scheduled in the near future.
NYS - Attorney's Office	1/3/85	Albert Bronson	(716) 847-7196	Buffalo State Office Bldg. Buffalo, NY 14202	Reviewed list of sites to determine if legal action has occurred in the past, is in progress, and/or is scheduled in the near future.
NYSDEC - Division of Solid and Hazardous Waste	1/7/85	Ahmad Tayyebi Larry Clare Peter Buechi Jack Tygert	(716) 847-4615 (716) 847-4615 (716) 847-4590 (716) 847-4585	600 Delaware Ave. Buffalo, NY 14202	Collected information from site files.
NYSDEC - Region 9 Division of Air	1/8/85	Henry Sandonato Robert Armbrust	(716) 847-4565	600 Delaware Ave. Buffalo, NY 14202	Collected information concerning previous air emissions from inactive disposal sites.

SOURCES CONTACTED FOR
J & T AUTOMOTIVE SALVAGE INVESTIGATION

CONTACT	DATE CONTACTED	PERSON CONTACTED	TELEPHONE NUMBER	LOCATION	INFORMATION COLLECTED
NYSDEC - Regional Attorney	1/10/85	Peter J. Burke	(716) 847-4551	600 Delaware Ave. Buffalo, NY 14202	Reviewed list of sites to determine if legal action has occurred in the past, is in progress, and/or is scheduled in the near future.
NYS Dept. of Health, Buffalo Region, Public Health Engineering	1/8/85	Lou Violanti	(716) 847-4500	584 Delaware Ave. Buffalo, NY 14202	Collected information from site files.
NYSDEC - Region 9 Division of Fish and Wildlife	1/10/85 & 1/11/85	Mike Wilkinson Jim Sneider	(716) 847-4600 (716) 847-4600	600 Delaware Ave. Buffalo, NY 14202	Collected information from site files
Niagara County Dept. of Health	1/9/85	Mike Hopkins	(716) 284-3124	Tenth & East Falls Street Niagara Falls, NY 14302	Collected information from Niagara County site files. Obtained additional information through interview.
Niagara County Dept. of Planning and Industrial Development	2/22/85	Dave Urso	(716) 439-6033	59 Park Ave. Lockport, NY 14094	Obtained 1980 U.S. Census Data.
J & T Automotive Salvage (Owner)	3/11/85	Charles Boos	(716) 278-6072	1209 Balmer Rd. Youngstown, NY 14174	Conducted site inspection, reviewed ownership, and discussed the type and quantity of fill material on-site.

REFERENCES

18. Boos, C., Letter to NCDOH, Feburary 1, 1976.

19. Boos, C., Letter to NYSDEC, C. Goddard, November 14, 1984.

20. NYSDOT, Engineering Guide to Soil Series of New York, 1974.

21. Town of Porter, Water District, Dorothy Seefelt, Telephone Conversation, 1985.

REF-18

J & T AUTO SALVAGE AND RECYCLING
1209 BALMER ROAD
YOUNGSTOWN, NEW YORK 14174

Niagara County Health Dept.
17th and Elmwood Ave.
Niagara Falls, New York 14301

February 1, 1976
Re: PERMIT TOACCEPT SOLID WASTE FOR A DRY PARKING AREA

Sirs:

When I received a permit from the Town of Porter to operate a junk yard, I asked them if it would be okay to use inner fill,(cinders, brick, stone etc.) to build up a parking area where I could process, park and demolish junk cars and metals. They said it would be okay. On there approval I statted to bring in solid fill. The area I started to fill has been a junk yard for the past 10 years making the land unsuitable for farming because of the oil from the junk cars. The area in Fall and Spring cannot be used because of the mud. The former owner had cinders dumped and spread, but they sank in the mud. I pushed off the top soil and started filling the area with cinders, broken grinding wheeels, bricks and sand from the Carborundum Company, not knowing that I was in violation of Niagara County law.

#1 I would like to apply for a permit to accept solid refuse for the purpose of making a dry parking area. Materials accepted would be cinders, sand, bricks, broken grinding wheels and other solid refuse. There may be some wood in this refuse, this is separated and given to a poor family for fuel. Some cardboard may be in this material. This is separated and bailed for resale.

#2 Materials will be transported from time to the site by truck.

#3 The material will be leveled and packed down by two bulldozers.

#4 I have a 20 year permit for a junk yard, so the material will lay dormant for at least 20 years.

#5 The area to be covered is approximatley four acers. It is 500 feet off of Balmer Road and is inclosed by an 8 foot solid fence.

#6 The area is approximatley 1000 feet from any occupied dwelling. There will be no hazard to public health at no time.

Thank you,
Charles Boos
Owner: J&T Auto Salvage and Recycling

Charles Boos

J&T Auto Salvage
ID # 932074
Porter/Niagara Co.

REF-19

November 14, 1984

Charles Goddard, Chief
Bureau of Hazardous Site Control
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-0001

Dear Mr. Goddard:

In reply to your letter of October 31, 1984 re preliminary field investigation at inactive hazardous waste disposal sites, the above area is not an inactive hazardous waste disposal site. No chemicals, liquids, human waste, garbage have ever been dumped or stored on this site.

The site is a salvage yard which recycles cars for auto parts and metal (junk yard).

The material at the site which I used for a parking lot is construction type material. It is all hard fill, consisting of:

1. Approximately 40% - from demolished brick buildings from urban renewal in Niagara Falls.
2. Approximately 50% - bottom ash from The Carborundum Company in Niagara Falls. This is the same material Niagara County uses on their highways in winter time.
3. Approximately 5% from contractors - broken concret, black top, stone direct (road construction material).
4. Approximately 5% from Carborundum consisting of fused Al_2O_3 - chunks, SiC - in the form of broken vitrified grinding wheels, kiln furniture - broken fire brick (Refrax), Croq - crush fire brick, furnace sand - not foundry sand, coal - this material was contaminated with wood and stone and could not be used in Carborundum's Boiler Room.

Much of the above material was purchased which makes it an industrial product not an industrial waste.

There is nothing at this site that is listed in 6NYCRR - Part 371 that would make it a hazardous waste.

I received a permit from the Town of Porter, the Niagara County Health Department and DEC to build a parking lot.

The Niagara County Health Department and DEC have taken samples and found no hazardous materials. The Building Inspector for the Town of Porter also has inspected the site.

I had to invest in heavy equipment to handle the fill. Your Department than tells me I cannot receive this kind of material so I have to stop making a parking lot. Is there any way New York State can compensate me for losses incurred from the Superfund?

I would like my site removed from your list of hazardous waste sites. If this can not be done could you please send me a permit so I can start receiving this type of material or would you issue me a permit to receive solid construction type material that is not hazardous.

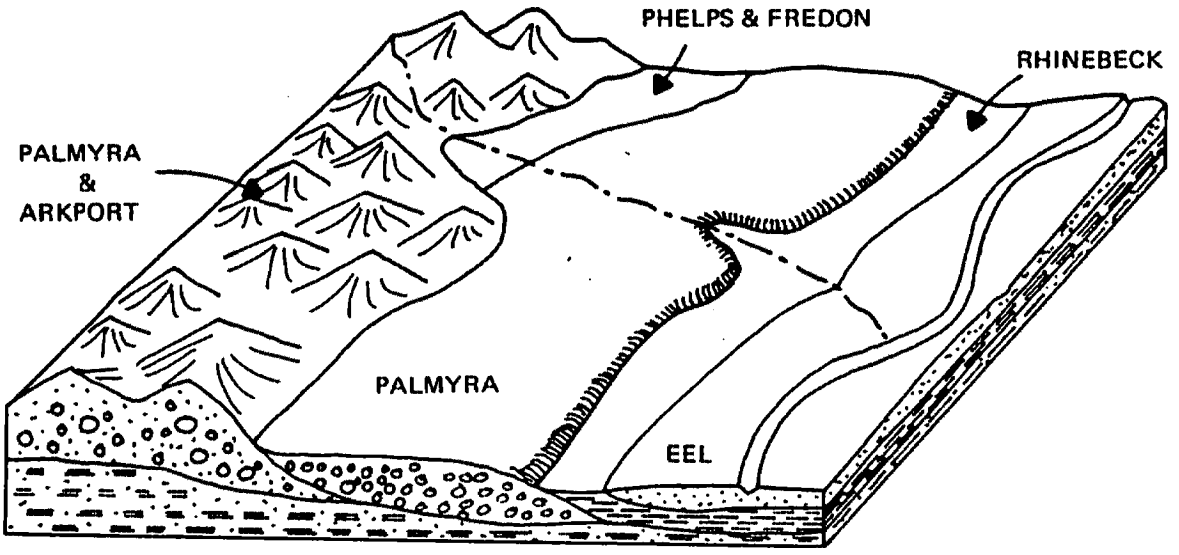
I believe I have answered most of your questions except:

C - 1977-80
D - Quantity 1000 tons?

Very truly yours,

Charles Boos

ENGINEERING GUIDE TO SOIL SERIES OF NEW YORK

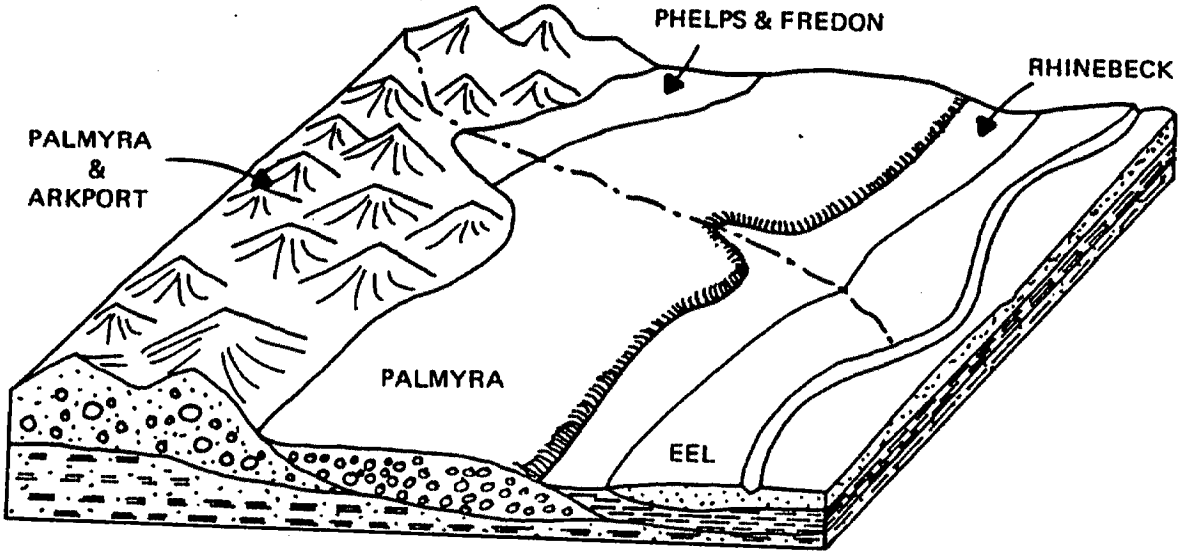


VOLUME I A-L

DEPARTMENT OF TRANSPORTATION
RAYMOND T. SCHULER, Commissioner

SOIL MECHANICS BUREAU
DECEMBER 1974

ENGINEERING GUIDE TO SOIL SERIES OF NEW YORK



VOLUME II M-Z

DEPARTMENT OF TRANSPORTATION
RAYMOND T. SCHULER, Commissioner

SOIL MECHANICS BUREAU
DECEMBER 1974

REF-21

INTERVIEW FORM

INTERVIEWEE/CODE Dorothy Seefeldt /

TITLE - POSITION Water Clerk

ADDRESS Town of Porter Public Works

CITY Town Porter STATE NY ZIP

PHONE (716) 791-3831 RESIDENCE PERIOD TO

LOCATION Phone Convers. D&M office INTERVIEWER JCBrod

DATE/TIME 10/31/85 / 10:50 AM

SUBJECT: J.T. Salvage Site

REMARKS: There is a new water line in the vicinity of J.T. Salvage, but it has not been approved yet. Currently the residents are still hooked to their private wells. The line will be approved for hook-up in approx. 2 wks.

I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:

SIGNATURE

COMMENTS:

APPENDIX B

PROPOSED UPDATED NYS REGISTRY SHEET

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
INACTIVE HAZARDOUS WASTE DISPOSAL SITE REPORT

CLASSIFICATION CODE: 2a REGION: 9 SITE CODE: 932074

NAME OF SITE : J.T. Salvage
STREET ADDRESS: Balmer Road
TOWN/CITY: COUNTY: ZIP:
Porter Niagara

SITE TYPE: Open Dump- Structure- Lagoon- Landfill-X Treatment Pond-
ESTIMATED SIZE: 6+ Acres

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: Charles Boos
CURRENT OWNER ADDRESS.: 1209 Balmer Road, Youngstown, NY 14174
OWNER(S) DURING USE...: Boos
OPERATOR DURING USE...: Boos
OPERATOR ADDRESS.....: 1209 Balmer Road, Youngstown, NY 14174
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From To

SITE DESCRIPTION:
Area used for automobile salvage yard. Oil from vehicles on and in ground. Fill material to absorb oil and grade property consisted of "non-hazardous" material; ie.e., SiC, Al2O3, graphite,coal and dirt mixture, flyash, grinding wheels.

HAZARDOUS WASTE DISPOSED: Confirmed- Suspected -X

TYPE	QUANTITY (units)
oils (crankcase, transmission)	Unknown

SITE CODE: 932074

ANALYTICAL DATA AVAILABLE:

Air- Surface Water-X Groundwater- Soil-X Sediment- None-

CONTRAVENTION OF STANDARDS:

Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE..: None State- Federal-
STATUS: In Progress- Completed-

REMEDIAL ACTION:

Proposed- Under Design- In Progress- Completed-
NATURE OF ACTION: None

GEOTECHNICAL INFORMATION:
SOIL TYPE: Lacustrian Lake deposits
GROUNDWATER DEPTH: Unknown

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Insufficient information.

ASSESSMENT OF HEALTH PROBLEMS:

Insufficient Information

PERSON(S) COMPLETING THIS FORM:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

NAME.: John S. Tybert, P.E.
TITLE: Sr. Sanitary Engineer

NAME.: Peter Buechi
TITLE: Assoc. Sanitary Engineer

DATE.: 01/24/85

NEW YORK STATE DEPARTMENT OF HEALTH

NAME.: R. Tramontano
TITLE: Bur. Tox. Subst. Assess.

NAME.:
TITLE:

DATE.: 01/24/85