

2021 Hazardous Waste Scanning Project

File Form Naming Convention.

(File_Type).(Program).(Site_Number).(YYYY-MM-DD).(File_Name).pdf

Note 1: Each category is separated by a period "."

Note 2: Each word within category is separated by an underscore "_"

Specific File Naming Convention Label:

report.HW.932008.1984-09-01.Phase 1 - Summary - Report.pdf

932008 -

EA Report DEC31A

PRELIMINARY INVESTIGATION OF THE
CAYUGA ISLAND SITE
TOWN OF CAYUGA ISLAND, NIAGARA COUNTY, NEW YORK

PHASE I. SUMMARY REPORT

Prepared for

New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233

Prepared by

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Middletown, New York 10940

September 1984

RECEIVED

SEP 27 1984

BUREAU OF HAZARDOUS SITE CONTROL
DIVISION OF EROSION AND
HAZARDOUS WASTE

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EXECUTIVE SUMMARY

The Cayuga Island Site (New York ID No. 932008, EPA ID No. NYD980507925) occupies the western tip and portions of the southern shore of Cayuga Island, City of Niagara Falls, Niagara County, New York. The site consists of manmade island extensions. Construction began prior to 1930, additional filling was performed between the years 1958 and 1962. It is not known exactly when construction ended; records indicate that construction had ceased at least by 1980. Fill material was clean fill and industrial materials (sand, abrasives, broken concrete). New York State Department of Environmental Conservation (NYSDEC) files indicate Union Carbide, Hooker, Olin, Carborundum, and Pittsburg Metallurgical as having supplied fill. It is believed they are part of a larger list of companies.

There is no evidence of any hazardous waste being dumped onsite. NYSDEC records indicate the fill material as being innocuous. Due to the lack of any evidence supporting hazardous waste disposal onsite the HRS of 0.00 is to be considered final. On the basis of the HRS no further work under this program is warranted for this site. Also supporting this conclusion is the absence of groundwater use on the island, and the fact that no surface water contamination which could threaten the city of Niagara Falls water supply intake located 1.5 miles downstream in the Niagara River, has been indicated in the available records.

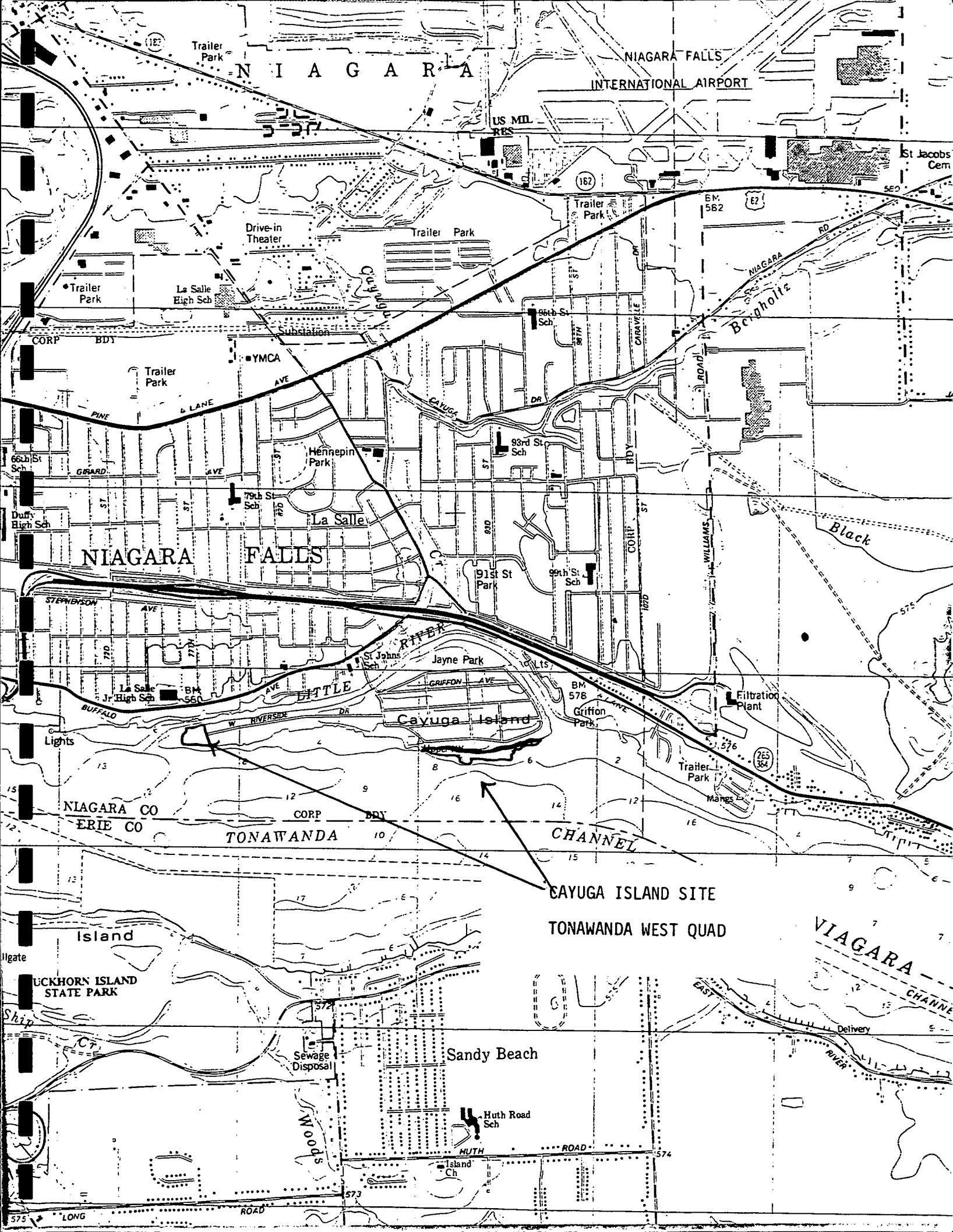
SECTION 1

CAYUGA ISLAND

The Cayuga Island Site (New York ID No. 932008, EPA ID No. NYD980507925) occupies the western tip and portions of the southern shore of Cayuga Island, Niagara County, New York. The site consists of manmade island extensions. The western tip was extended 250 yards into the Niagara River prior to 1930 and later widened between the years 1958 and 1962. Comparison of 1927 and 1980 Niagara Falls maps indicate that the southern shore has been extended up to 100 feet.

The fill material was clean fill and industrial materials (sand, abrasives, broken concrete). Union Carbide, Hooker, Olin, Carborundum, and Pittsburg Metallurgical are a few of the companies which supplied fill material.





NIAGARA

NIAGARA FALLS
INTERNATIONAL AIRPORT

US MIL
RES

St Jacobs
Cem

Drive-in
Theater

Trailer Park

La Salle
High Sch

YMCA

Trailer
Park

Hennepin
Park

La Salle

NIAGARA FALLS

Cayuga Island

CAYUGA ISLAND SITE
TONAWANDA WEST QUAD

VIAGARA
CHANNE

Sandy Beach

Huth Road
Sch

Island
Ch

Sewage
Disposal

WOODS

BUCKHORN ISLAND
STATE PARK

LONG ROAD



Friday
July 16, 1982

CAYUGA ISLAND

Part V

Environmental Protection Agency

National Oil and Hazardous Substances
Contingency Plan

Great Lakes

Facility name: CAYUGA ISLAND

Location: CAYUGA ISLAND, NIAGARA FALLS, NIAGARA CTP

EPA Region: II NY

Person(s) in charge of the facility: CITY OF NIAGARA FALLS

Name of Reviewer: Ecological Analysts, Inc. Date: 9/1/83

General description of the facility:
(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

The site consists of manmade island extensions of the island. Sand fill and refuse was used as fill material. No evidence of hazardous waste exists.

Scores: $S_M = 0$ ($S_{gw} = 0$, $S_{sw} = 0$, $S_a = 0$)

$S_{FE} = N/A$

$S_{DC} = 0$

FIGURE 1
HRS COVER SHEET

BILLING CODE 6560-60-C

Max $S_M = 0$ unless hazardous wastes can be identified

Ground Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	<u>0</u> 45	1	<u>0</u>	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 <u>3</u>	2	<u>6</u>	6		
Net Precipitation	0 1 <u>2</u> 3	1	<u>2</u>	3		
Permeability of the Unsaturated Zone	0 1 2 <u>3</u>	1	<u>3</u>	3		
Physical State	0 <u>1</u> 2 3	1	<u>1</u>	3		
Total Route Characteristics Score			<u>12</u>	15		
3 Containment	0 1 2 <u>3</u>	1	<u>3</u>	3	3.3	
4 Waste Characteristics					3.4	
Toxicity/Persistence	<u>0</u> 3 6 9 12 15 18	1	<u>0</u>	18		
Hazardous Waste Quantity	<u>0</u> 1 2 3 4 5 6 7 8	1	<u>0</u>	8		
Total Waste Characteristics Score			<u>0</u>	26		
5 Targets					3.5	
Ground Water Use	0 <u>1</u> 2 3	3	<u>3</u>	9		
Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	<u>0</u>	40		
Total Targets Score			<u>3</u>	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			<u>0</u>	57,330		
7 Divide line 6 by 57,330 and multiply by 100			$S_{gw} = 0$			

FIGURE 2
GROUND WATER ROUTE WORK SHEET

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	1	3		
Distance to Nearest Surface Water	0 1 2 3	2	6	6		
Physical State	0 1 2 3	1	1	3		
Total Route Characteristics Score			8	15		
3 Containment	0 1 2 3	1	2	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			0	26		
5 Targets					4.5	
Surface Water Use	0 1 2 3	3	9	9		
Distance to a Sensitive Environment	0 1 2 3	2	0	6		
Population Served/Distance to Water Intake Downstream	0 4 6 8 10 12 16 18 20 24 24 30 32 35 40	1	30	40		
Total Targets Score			39	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			0	64,350		
7 Divide line 6 by 64,350 and multiply by 100			S _{sw} = 0			

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

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 Quantity	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				35,100		
5 Divide line 4 by 35,100 and multiply by 100				$S_a = 0$		

FIGURE 9
AIR ROUTE WORK SHEET

four-mile radius as well as transients such as workers in factories, offices, restaurants, motels, or students. It excludes travelers passing through the area. If aerial photography is used in making the count, assume 3.0 individuals per dwelling unit. Select the highest value for this rating factor as follows:

DISTANCE TO POPULATION FROM HAZARDOUS SUBSTANCE

Population	0-4 miles	0-1 mile	0-1/2 mile	0-1/4 mile
0	0	0	0	0
1 to 100	9	12	15	18
101 to 1,000	12	15	18	21
1,001 to 3,000	15	18	21	24
3,001 to 10,000	18	21	24	27
More than 10,000	21	24	27	30

Distance to sensitive environment is an indicator of the likelihood that a region that contains important biological resources or that is a fragile natural setting would suffer serious damage if hazardous substances were to be released from the facility. Assign a value from Table 10.

Land use indicates the nature and level of human activity in the vicinity of a facility. Assign highest applicable value from Table 13.

6.0 Computing the Migration Hazard Mode Score, S_M

To compute S_M , complete the work sheet (Figure 10) using the values of S_{gw} , S_{sw} , and S_a obtained from the previous sections.

7.0 Fire and Explosion

Compute a score for the fire and explosion hazard mode, S_{pe} , when either a state or local fire marshal has certified that the facility presents a significant fire or explosion threat to the public or to sensitive environments or there is a demonstrated fire and explosion threat based on field observations (e.g., combustible gas indicator readings). Document the threat.

7.1 Containment. Containment is an indicator of the measures that have been taken to minimize or prevent hazardous substances at the facility from catching fire or exploding. Normally it will be given a value of 3 on the work sheet (Figure 11). If no hazardous substances that are individually ignitable or explosive are present and those that may be hazardous in combination are segregated and isolated so that they cannot come together to form incompatible mixtures, assign this factor a value of 1.

7.2 Waste Characteristics. Direct evidence of ignitability or explosion potential may exist in the form of measurements with appropriate instruments. If so, assign this factor a value of 3; if not, assign a value of 0.

TABLE 13.—VALUES FOR LAND USE (AIR ROUTE)

Assigned value =	0	1	2	3
Distance to Commercial-Industrial	>1 mile	1/2 to 1 mile	1/4 to 1/2 mile	< 1/4 mile
Distance to National/State Parks, Forests, Wildlife Reserves, and Residential Areas	>2 miles	1 to 2 miles	1/2 to 1 mile	< 1/2 mile
Distance to Agricultural Lands (in Production within 5 years):				
Ag land	>1 mile	1/2 to 1 mile	1/4 to 1/2 mile	< 1/4 mile
Prime Ag Land ¹	>2 miles	1 to 2 miles	1/2 to 1 mile	< 1/2 mile
Distance to Historic/Landmark Sites (National Register of Historic Places and National Natural Landmarks)				Within view of site or if site is subject to significant impacts

¹ Defined in the Code of Federal Regulations, 7 CFR 657.5, 1981.

	S	S ²
Groundwater Route Score (S_{gw})	0	0
Surface Water Route Score (S_{sw})	0	0
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		0
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		0
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M$		0

FIGURE 10
WORKSHEET FOR COMPUTING S_M

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	0	15	8.3	
4 Waste Characteristics Toxicity	0 1 2 3	5	0	15	8.4	
5 Targets					8.5	
Population Within a 1-Mile Radius	0 1 2 3 4 5	4	16	20		
Distance to a Critical Habitat	0 1 2 3	4	0	12		
Total Targets Score			16	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			0	21,600		
7 Divide line 6 by 21,600 and multiply by 100			SDC = 0			

FIGURE 12
DIRECT CONTACT WORK SHEET

DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM

INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME:

CAYUGA ISLAND SITE

LOCATION:

NIAGARA FALLS, NIAGARA COUNTY, NY

GROUND WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

NONE

(NO DATA ARE AVAILABLE)

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifers(s) of concern:

UNKNOWN

No persons known to have wells.

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

Assume 0-20 feet due to proximity and level of Niagara River.

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

UNKNOWN

Assume ≤ 20 ft

Net Precipitation

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

36 in.

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

26 in.

Net precipitation (subtract the above figures):

10 in.

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

CONSTRUCTION DEBRIS

Permeability associated with soil type:

estimated $10^{-2} - 10^{-4}$ cm/sec
course debris, fairly permeable

Physical State

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

SOLIDS

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

LINER EVALUATED

Method with highest score:

RESULT: NO LINER

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

NONE

(NO DATA ARE AVAILABLE)

Compound with highest score:

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):

NONE KNOWN

Basis of estimating and/or computing waste quantity:

* * *

5 TARGETS

Ground Water Use

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

NOT USED. GROUND WATER DISPERSES INTO NIAGARA RIVER

Distance to Nearest Well

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

RESIDENCES ON CAYUGA ISLAND ARE ONLY RESIDENCES AFFECTED BY GROUNDWATER, HOWEVER, THEY DO NOT HAVE WELLS. ∴ NO WELLS IN AQUIFER OF CONCERN

Distance to above well or building:

N/A

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

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

0

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):

N/A

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

0

SURFACE WATER ROUTE

1 OBSERVED RELEASE

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

NONE DETECTED

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

0

Name/description of nearest downslope surface water:

NIAGARA RIVER

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

0%

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

No. Completely surrounded by Niagara River

Is the facility completely surrounded by areas of higher elevation?

NO

1-Year 24-Hour Rainfall in Inches

2.0 INCHES

Distance to Nearest Downslope Surface Water

< 1000'

Physical State of Waste

SOLID

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

COVER EVALUATED

RESULT: ADEQUATE COVER

Method with highest score:

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

NONE

Compound with highest score:

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):

NONE KNOWN

Basis of estimating and/or computing waste quantity:

* * *

5 TARGETS

Surface Water Use

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

DRINKING WATER

Is there tidal influence?

NO

Distance to a Sensitive Environment

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

NONE

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

NONE

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

NONE

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:

Surface water intake located 1 1/2 mile west of Cayuga Island
in direction of flow of Niagara River.

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

N/A

Total population served:

100,000 PEOPLE

Name/description of nearest of above water bodies:

NIAGARA RIVER

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

1 1/2 MILES

AIR ROUTE

1 OBSERVED RELEASE

NO DATA

Contaminants detected:

Date and location of detection of contaminants

Methods used to detect the contaminants:

Rationale for attributing the contaminants to the site:

* * *

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Most incompatible pair of compounds:

Toxicity

Most toxic compound:

Hazardous Waste Quantity

Total quantity of hazardous waste:

Basis of estimating and/or computing waste quantity:

* * *

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

Distance to a Sensitive Environment

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

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

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

Land Use

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

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

1 3/4 MILES TO BUCKHORN ST. PARK

Distance to residential area, if 2 miles or less:

site is residential

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

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

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

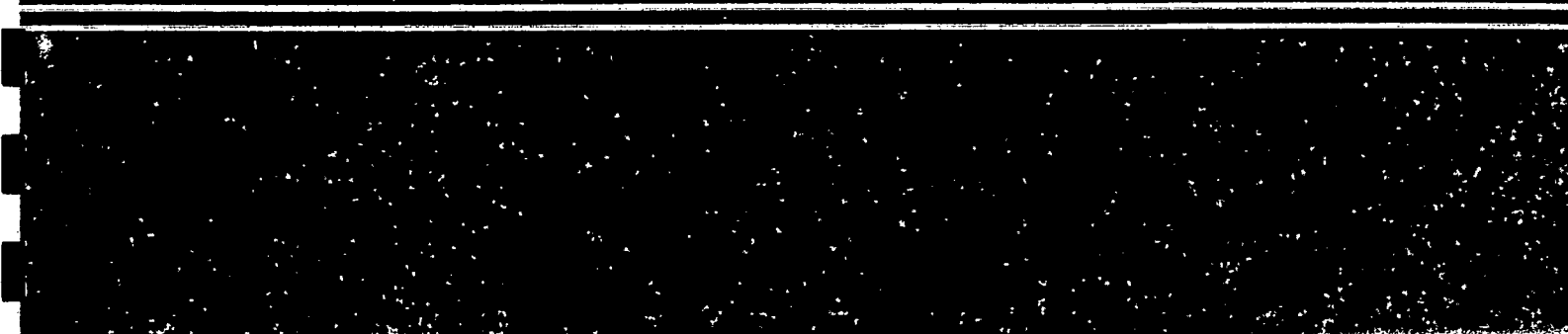
No

5.1



Potential Hazardous Waste Site

Preliminary Assessment





Preliminary Assessment



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NYD 980507925

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) CAYUGA ISLAND LF		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER RIVERSHORE DRIVE				
03 CITY NIAGARA FALLS	04 STATE NY	05 ZIP CODE	06 COUNTY NIAGARA		07 COUNTY CODE	08 CONG DIST
09 COORDINATES LATITUDE		LONGITUDE				

10 DIRECTIONS TO SITE (Starting from nearest public road)
Western end of Rivershore drive on Cayuga Island
South of Rivershore drive.

III. RESPONSIBLE PARTIES

01 OWNER (If known)		02 STREET (Business, mailing, residential)			
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER		
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 ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: RESIDENTIAL (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 (RCRA 103 G) DATE RECEIVED: MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES DATE 7/20/83 BY (Check all that apply)
☐ NO MONTH DAY YEAR ☐ A. EPA ☒ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: CONTRACTOR NAME(S): ECOLOGICAL ANALYSTS, INC. (Specify)

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

03 YEARS OF OPERATION
BEGINNING YEAR 1930 ENDING YEAR 1980 ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
HARD FILL MATERIAL, CONSTRUCTION DEBRIS (SAND, ABRASIVES, BROKEN CONCRETE)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

NONE KNOWN

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 (Inspect on time available basis) ☒ D. NONE (No further action needed, complete current disposition forms)

VI. INFORMATION AVAILABLE FROM

01 CONTACT RAYMOND KAPP	02 OF (Agency/Organization) ECOLOGICAL ANALYSTS		03 TELEPHONE NUMBER 914 1692-6706
04 PERSON RESPONSIBLE FOR ASSESSMENT PAUL FLEMING	05 AGENCY	06 ORGANIZATION EA	07 TELEPHONE NUMBER 1914 1692-6706
			08 DATE 8/22/83 MONTH DAY YEAR

NYD	980507925
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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NVD 980507925

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

NONE Reported

01 ☐ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

NONE Reported

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

NONE Reported

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

NA. No hazardous wastes exposed.

01 ☐ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: _____

(Acres)

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

NONE Reported

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

NA



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NY 980507925

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills, runoff, standing liquids, leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NA

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None reported

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: NONE

IV. COMMENTS

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

NYS DEC Files

5.2



Potential Hazardous Waste Site

Site Inspection Report



Site Inspection Report



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 980507925

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

CAYUGA ISLAND LF

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

RIVERSHORE DRIVE

03 CITY

NIAGARA FALLS

04 STATE

05 ZIP CODE

NY

06 COUNTY

NIAGARA

07 COUNTY
CODE

08 CONG
DIST

09 COORDINATES
LATITUDE

LONGITUDE

10 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION

7 20 83
MONTH DAY YEAR

02 SITE STATUS

☐ ACTIVE
☒ INACTIVE

03 YEARS OF OPERATION

1930 1980
BEGINNING YEAR ENDING YEAR

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR
☐ E. STATE ☒ F. STATE CONTRACTOR ECOLOGICAL ANALYSTS, INC. ☐ G. OTHER IAK

05 CHIEF INSPECTOR

WILLIAM GOING

06 TITLE

SCIENTIST

07 ORGANIZATION

EA

08 TELEPHONE NO.

(914) 692-6706

09 OTHER INSPECTORS

IAN JONES

10 TITLE

SCIENTIST

11 ORGANIZATION

EA

12 TELEPHONE NO.

() ()

13 SITE REPRESENTATIVES INTERVIEWED

14 TITLE

15 ADDRESS

16 TELEPHONE NO.

17 ACCESS GAINED BY
(Check one)

☐ PERMISSION
☐ WARRANT

18 TIME OF INSPECTION

19 WEATHER CONDITIONS

IV. INFORMATION AVAILABLE FROM

01 CONTACT

RAYMOND KAPP

02 OF (Agency/Organization)

ECOLOGICAL ANALYSTS, INC.

03 TELEPHONE NO.

(914) 692-6706

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM

PAUL FLEMING

05 AGENCY

06 ORGANIZATION

EA

07 TELEPHONE NO.

"

08 DATE

8 22 83
MONTH DAY YEAR

NYD 980 507925



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 980507923

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

NONE Reported

01 ☐ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

NONE Reported

01 ☐ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

NONE Reported

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

NA

01 ☐ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

No exposed wastes.

01 ☐ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: _____ (Acres)

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

NONE REPORTED

01 ☐ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

NA

01 ☐ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

NA

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

None reported



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 980507925

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/Runoff/Standing liquids, Leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

None observed

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None reported

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None reported

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None reported

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)

NYSDEC REGIONAL FILE
EPA FILE

New York Atlas of Community Water
System Sources 1982.



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 980507925

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	04 TREATMENT (Check all that apply)	05 OTHER
☐ A. SURFACE IMPOUNDMENT			☐ A. INCENERATION	☒ A. BUILDINGS ON SITE
☐ B. PILES			☐ B. UNDERGROUND INJECTION	
☐ C. DRUMS, ABOVE GROUND			☐ C. CHEMICAL/PHYSICAL	
☐ D. TANK, ABOVE GROUND			☐ D. BIOLOGICAL	
☐ E. TANK, BELOW GROUND			☐ E. WASTE OIL PROCESSING	
☐ F. LANDFILL			☐ F. SOLVENT RECOVERY	
☐ G. LANDFARM			☐ G. OTHER RECYCLING/RECOVERY	
☐ H. OPEN DUMP			☐ H. OTHER (Specify)	
☒ I. OTHER MANMADE FILL (Specify)				

06 AREA OF SITE

10 (Acres)

07 COMMENTS

SITE IS MANMADE ISLAND EXTENSION; MATERIAL USED IS HARD FILL

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.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO

02 COMMENTS

RIP-RAP EXPOSED

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

DEC ? EPA FILE



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 980 507925

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY
(Check as applicable)

SURFACE

WELL

COMMUNITY

A. ☒

B. ☐

NON-COMMUNITY

C. ☐

D. ☐

02 STATUS

ENDANGERED

A. ☐

AFFECTED

B. ☐

MONITORED

C. ☐

D. ☐

E. ☐

F. ☐

03 DISTANCE TO SITE

A. 1 1/2 (mi)

B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING

☐ B. DRINKING

(Other sources available)

☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION

(Limited other sources available)

☒ D. NOT USED, UNUSEABLE

COMMERCIAL, INDUSTRIAL, IRRIGATION
(No other water sources available)

02 POPULATION SERVED BY GROUND WATER 0

03 DISTANCE TO NEAREST DRINKING WATER WELL NA (mi)

04 DEPTH TO GROUNDWATER

(ft)

05 DIRECTION OF GROUNDWATER FLOW

06 DEPTH TO AQUIFER
OF CONCERN

(ft)

07 POTENTIAL YIELD
OF AQUIFER

(gpd)

08 SOLE SOURCE AQUIFER

☐ YES ☐ NO

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

NO DRINKING WATER WELLS ON ISLAND

10 RECHARGE AREA

☐ YES

COMMENTS

☐ NO

11 DISCHARGE AREA

☐ YES

COMMENTS

☐ NO

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:

NIAGARA RIVER

AFFECTED

DISTANCE TO SITE

☐

2 1/4 (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

02 DISTANCE TO NEAREST POPULATION

A. _____
NO. OF PERSONS

B. _____
NO. OF PERSONS

C. _____
NO. OF PERSONS

2 1/4 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

04 DISTANCE TO NEAREST OFF-SITE BUILDING

2 1/4 (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)

SUBURBAN AREA - ALL RESIDENTIAL, WITH ONE VACANT LOT ON SITE



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 980507925

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

Unknown (m)

04 DEPTH OF CONTAMINATED SOIL ZONE

Unknown (m)

05 SOIL pH

06 NET PRECIPITATION

10 (in)

07 ONE YEAR 24 HOUR RAINFALL

2.0 (in)

08 SLOPE
SITE SLOPE

0 %

DIRECTION OF SITE SLOPE

TERRAIN AVERAGE SLOPE

%

09 FLOOD POTENTIAL

10

SITE IS IN YEAR FLOODPLAIN

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

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE

NONE
OTHER

A. (mi)

B. (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

None Known (mi)

ENDANGERED SPECIES:

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

RESIDENTIAL AREAS, NATIONAL/STATE PARKS,
FORESTS, OR WILDLIFE RESERVES

AGRICULTURAL LANDS
PRIME AG LAND AG LAND

A. $< 1/4$ (mi)

B. < 0.1 (mi)

C. (mi) D. (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

SITE IS ENTIRELY RESIDENTIAL, SIMILAR TO REST
OF CAYUGA ISLAND.

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



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 1980-507925

II. SAMPLES TAKEN

NONE

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

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL	02 IN CUSTODY OF <u>EA</u> (Name of organization or individual)
03 MAPS ☐ YES ☐ NO	04 LOCATION OF MAPS

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

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



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

1140 980307925

II. CURRENT OWNER(S)

PARENT COMPANY (If applicable)

01 NAME RESIDENTIAL	02 D+B NUMBER	08 NAME	09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.) CITY OF NIAGARA FALLS	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE		
05 CITY	06 STATE NY	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
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		
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)



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 1980507925

II. CURRENT OPERATOR (Provide if different from owner)

OPERATOR'S PARENT COMPANY (If applicable)

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					

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

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					

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)



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 980 507925

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

III. OFF-SITE GENERATOR(S)

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

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

IV. TRANSPORTER(S)

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

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

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

DEC REG. 9 FILE



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 0980507925

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ D. SPILLED MATERIAL REMOVED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ E. CONTAMINATED SOIL REMOVED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ F. WASTE REPACKAGED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ G. WASTE DISPOSED ELSEWHERE
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ H. ON SITE BURIAL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ I. IN SITU CHEMICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ J. IN SITU BIOLOGICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ K. IN SITU PHYSICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ L. ENCAPSULATION
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ M. EMERGENCY WASTE TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ N. CUTOFF WALLS
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ P. CUTOFF TRENCHES/SUMP
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ Q. SUBSURFACE CUTOFF WALL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 2980507925

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ S. CAPPING/COVERING
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ T. BULK TANKAGE REPAIRED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ U. GROUT CURTAIN CONSTRUCTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ V. BOTTOM SEALED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ W. GAS CONTROL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ X. FIRE CONTROL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ Y. LEACHATE TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ Z. AREA EVACUATED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ 1. ACCESS TO SITE RESTRICTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ 2. POPULATION RELOCATED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ 3. OTHER REMEDIAL ACTIVITIES
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

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



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY 980507925

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)

5.3 SITE INSPECTION SUMMARY

On 20 July 1983, Mr. William Going, and Mr. Ian Jones representatives of Ecological Analysts, Inc., visited the Cayuga Island site. The site is located just off Rivershore Drive on Cayuga Island in Niagara Falls, New York. Cayuga Island is completely residential, with currently only 1 vacant lot along Rivershore Drive. The westernmost tip of Cayuga Island, and of Rivershore Drive itself, is obviously built up of concrete and other industrial debris and clean fill. There are some 21 homes established along Rivershore Drive on this manmade tip of the island. These homes are well kept and landscaped. There are several small areas further east, along the south shoreline of the island, where fill might have been used to extend or stabilize the shore. Photographs were taken from different vantage points on the island of the filled areas and concrete rip-rap, and of the homes which have been built on this material.

6. SITE HISTORY

~~The site consists of the western tip and southern shore areas of Cayuga Island.~~
These areas were extended into the Niagara River with refuse and assorted fill material.

Prior to 1930, the western end of the island was extended 250 yards; the fill material was described as "refuse and hard fill." ~~The area was widened with clean fill and industrial wastes between the years 1958 to 1962.~~ Some of the ~~known contributors of industrial waste (sand, abrasives, broken concrete, and similar materials) were Carborundum, Union Carbide, Hooker, Olin, and Pittsburgh Metallurgical.~~ ~~No hazardous or drummed waste is known to have been disposed in the fill.~~ South shore areas are believed to have been extended with clean fill sometime between 1927 and 1980.

The island extensions are completely residential, with the exception of one vacant lot. Information was provided by an NYSDEC summary report contained in the Region 9 file (Attachment 6.1).

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NAME

CAYUGA ISLAND (DEC #932005)

LOCATION

The western 250 yards of Cayuga Island in the City of Niagara Falls and scattered areas along the south shore of the island have been filled.

A sketch is attached.

OWNERSHIP

The former disposal area is owned by numerous homeowners and private landowners.

HISTORY

It has been reported that prior to 1930 the western end of Cayuga Island was extended roughly 250 yards into the Niagara River by depositing refuse and hard fill. It is not known if any industrial wastes were disposed of at this time.

From 1958 to 1962 the western end of the island was widened by placing clean fill and industrial wastes here. The industrial material included sand, abrasives, broken concrete and similar materials. The Inter Agency Task Force lists Carborundum, Union Carbide, Hooker, Olin and Pittsburg Metallurgical, as sources of these wastes. No drummed wastes or hazardous material is known to have been disposed of here.

Numerous small areas along the south shore of the island may have received fill material to extend yards and fill low areas. Many of these areas could have been filled with clean fill material. Pieces of concrete rubble have commonly been used to riprap the shoreline.

An inspection by Niagara County Health Department personnel was made in November, 1981. The island is now near completely residential. There are few vacant lots anywhere on the island. The only visible waste material was concrete rubble used as riprap. The western extension is noticeably treeless and the homes here are of more recent construction than the rest of the island. Twenty-one homes are now built on the extended area. One vacant lot remains between 7630 and 7702 Rivershore Drive.

A comparison of 1927 and 1980 City of Niagara Falls maps revealed that the area south of East Rivershore Drive has been extended into the river up to 100 feet in some areas. The nature of the fill material used in this area is not known.

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REVIEW OF AERIAL PHOTOGRAPHS

USDA aerial photographs (1':660') ARE 2V-33 (1958) and ARE 2G0-16 (1966) were examined. The 1958 photo indicates that the western 250 yards of Cayuga Island was submerged, but shallow at this time. 1966 photography illustrating the western end of the island was not available. The south eastern corner of the island was relatively unchanged during the period of 1958 to 1966, although some minor filling may have occurred.

PREVIOUS SAMPLING

There is no record of any previous sampling being done in either the western or southern areas.

SOILS/GEOLOGY

A detailed soil survey for the area is unavailable. Soils in the filled areas are generally composed of fill material to below river level. As the composition of the fill is unknown, the properties of the soil are unknown. The properties of the soil below river level are felt to be inconsequential.

The bedrock is Lockport Dolomite, however, the Dolomite and all the water bearing zones within it are below river level.

GROUNDWATER

There are no known wells on Cayuga Island. Any contamination of groundwater here could directly effect water quality in the Niagara River, but probably would not effect groundwater anywhere other than on the island.

The uppermost aquifer is expected to be at or near river level. This aquifer may be perched above bedrock. Bedrock aquifers are well below river level and are not likely to be effected by infiltration of leachate from this site.

RIFFACE WATER

The Niagara River is adjacent to all suspected disposal sites. Apparently, much of the waste material was placed directly into the river. If soluble compounds were present they may have already washed away from the site. Groundwater is suspected to be an extension of the river and any effect on groundwater would effect the river water.

The City of Niagara Falls water intakes are located 1½ miles downstream. Up to 100,000 people use the water from this source. Industrial intakes are located two to four miles downstream.

Much of Cayuga Island is subject to frequent flooding and high water tables.

There are no wetlands on Cayuga Island or within one mile of the disposal site.

AIR

~~There are no reports of odors or air quality problems at this site. If the description of the wastes disposed of here is accurate, no problems are expected.~~

At least 21 homes have been built upon the filled area. Over 10,000 people live within one mile. Land use within two miles is almost entirely residential or commercial. All of Cayuga Island is residential.

FIRE/EXPLOSION

Due to the suspected types of waste present and the high water table, the possibility of fire is remote.

Roughly 1,000 homes are found on Cayuga Island. Over 10,000 people live within two miles. There are buildings directly atop the fill.

DIRECT CONTACT

~~All wastes appear to be covered. Excavations or shoreline erosion could expose wastes. Access to the site is unrestricted.~~

CONCLUSIONS

~~Sampling is needed to confirm the presence or absence of hazardous materials. Wells could be placed in yards or vacant lots. Hand dugger holes may be difficult or impossible to dig due to the suspected large size of some of the wastes (concrete rubble, etc.) Areas along the southshore which contain large trees need not be sampled.~~

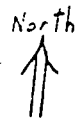
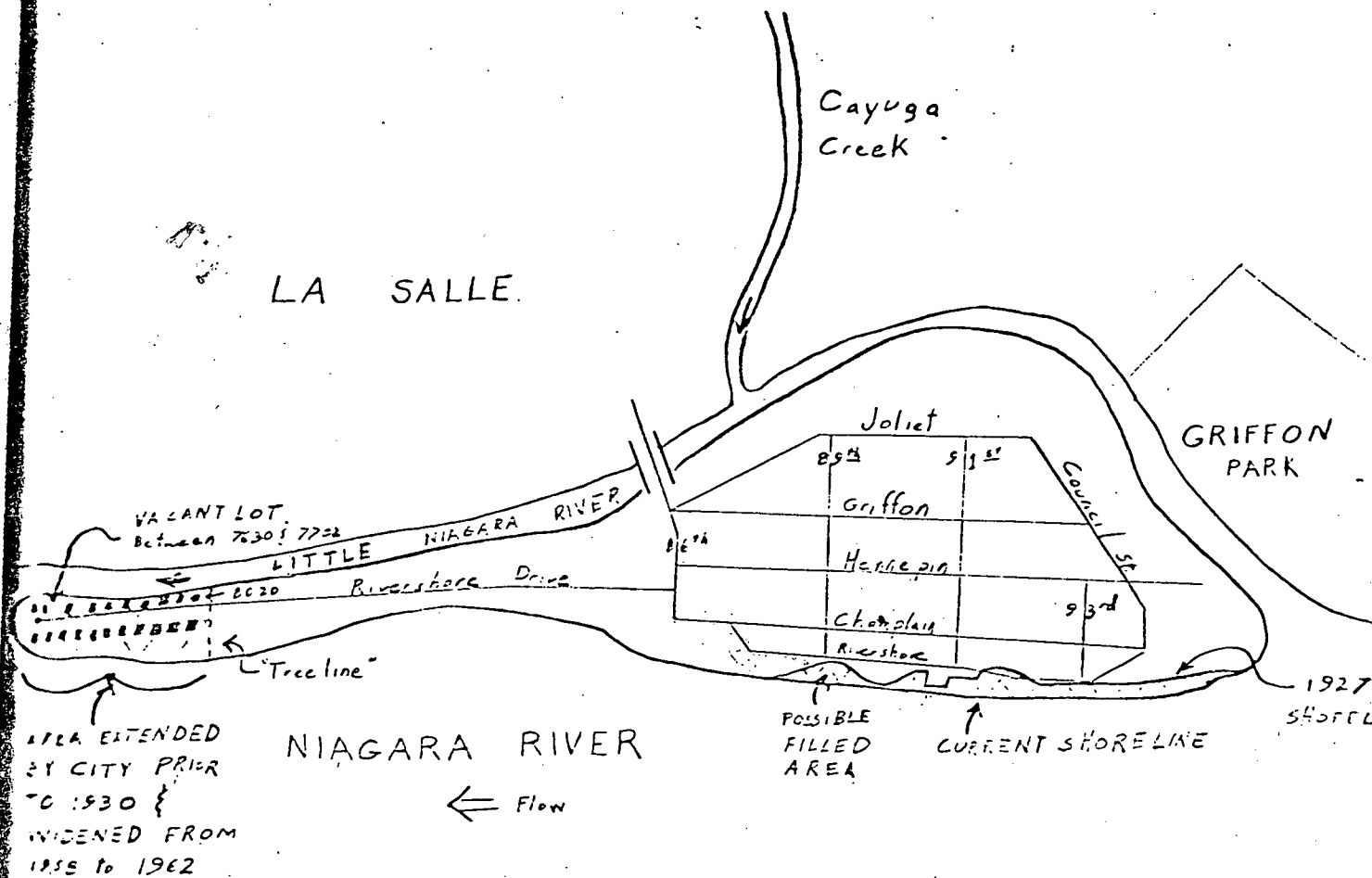
~~The potential for contamination of the Niagara River is high if hazardous materials are present. The impact of this site on public health could be serious if hazardous materials are present, due to the number of people living on or near the filled area.~~

Any excavation done in this area should be monitored by the Niagara County Health Department or the DEC.

CAYUGA 'ISLAND'

932008

4/4/4



Not to Scale

Michael E. Higgins

12/21/81

revised 2/23/82



7. SITE DATA

7.1 SITE AREA SURFACE FEATURES

Cayuga Island, situated in the Niagara River, within the city limits of the City of Niagara Falls, New York, is completely residential today. Homes have been established across the island. The terrain is flat; trees and shrubs are interspersed between the houses, which gives the neighborhood a neat and well landscaped appearance. The Niagara River and the Little Niagara River flow past the island toward the west. The westernmost tip of the island (approximately 10 acres) has been extended using concrete debris and other landfill. Evidence of this can be seen at the water's edge. In addition to the island has been graded and compacted to the same general elevation as the rest of the island, approximately 6-8 feet above the level of the Niagara River. Rivershore Drive provides access to the western end of the island. There are some 21 homes and 1 vacant lot on the extended tip of the island. A site sketch is provided (Attachment 7.1-1).

7.2 SITE HYDROGEOLOGY

The site is located on Cayuga Island in the southwestern corner of Niagara County. The site is a manmade extension of the western tip and southern shore areas of Cayuga Island. The soil in the extended areas consists entirely of fill material and is, therefore, of unknown composition. The depth of the fill material reaches below the Niagara River level.

The site is within the Eastern Lake section of the Central Lowland physiographic province. The consolidated material underneath the site area is Lockport Dolomite, a Silurian Era carbonate rock. In the vicinity of the island this formation is totally submerged, hence, all its water bearing zones are, too. These water bearing zones are expected to be unaffected by leachate infiltration (Attachment 6.1).

Ground-water movement beneath the site is into the river. An aquifer is believed to exist above the bedrock, beneath the site. This aquifer is thought to be the only potentially affected ground water body, due to the river severing mainland and island ground-water bodies.

7.3 SUMMARY OF PAST SAMPLING AND ANALYSIS

Ground Water

No data are available.

Surface Water

No data are available.

Air

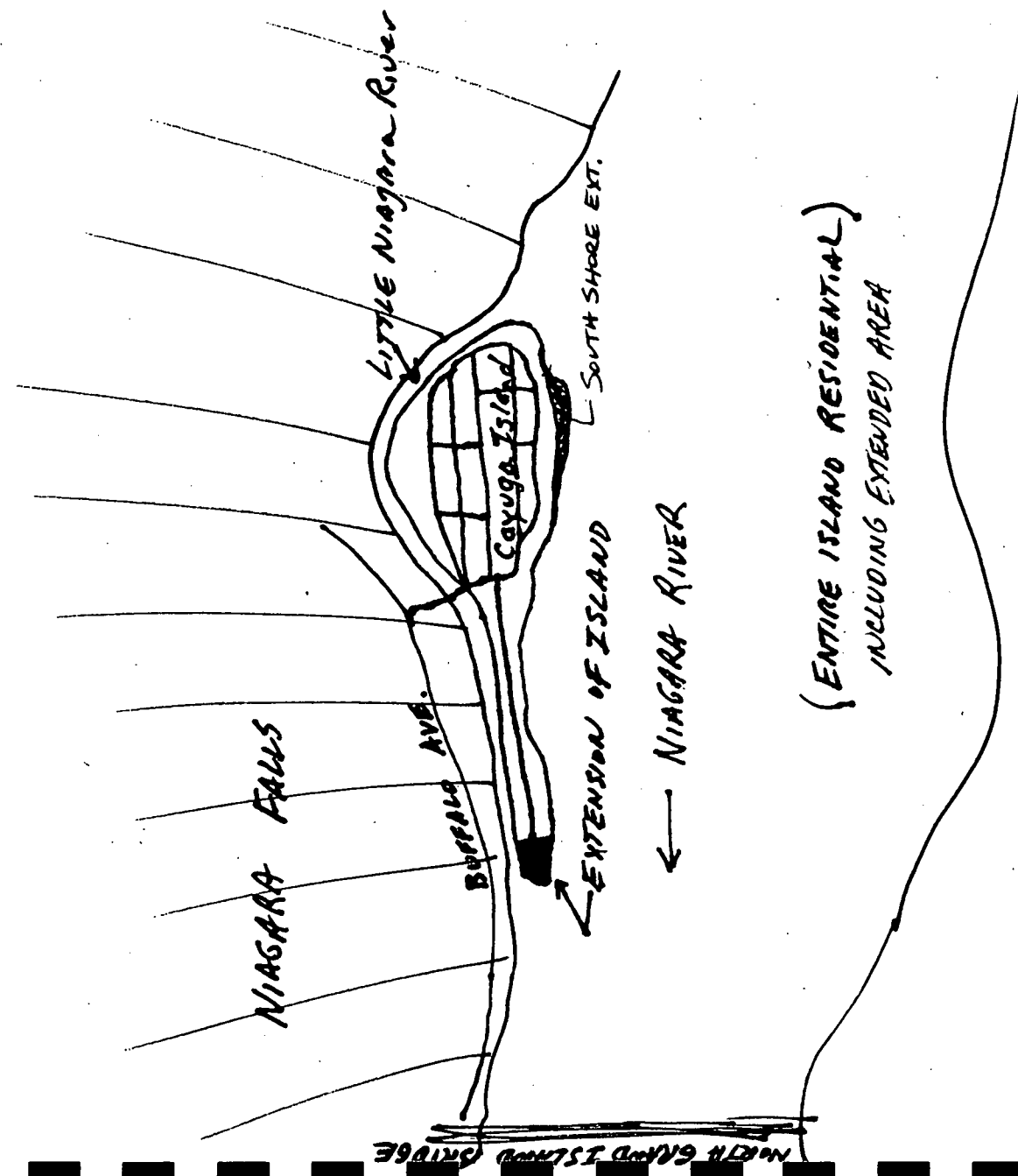
No data are available.

Soil

No data are available.

SITE SKETCH: CAYUGA ISLAND

20 JULY 1983



8. ADEQUACY OF AVAILABLE DATA TO PREPARE FINAL

The available data are adequate for the purposes of preparing a final HRS. Therefore, the HRS of 0.00 should be considered final. Because no specific hazardous waste types or quantities have been identified, groundwater and surface water migration scores are currently zero. Further, because residents of Cayuga Island are on a city water supply, the HRS score would be low even if waste types were defined. It is recognized that the City of Niagara Falls' water supply intake is located approximately 1.5 miles downstream. However, the records do not indicate that this supply is potentially threatened by Cayuga Island.

9. PHASE II WORK PLAN

No additional investigations of the Cayuga Island site under this program are warranted on the basis of the available data.

APPENDIX

HAZARDOUS WASTE DISPOSAL SITES REPORT,
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

HAZARDOUS WASTE DISPOSAL SITES REPORT
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

47-15-11(2/80)

Code: _____
Site Code: 932008
Name of Site: CAYUGA ISLAND Region: 9
County: NIAGARA Town/City: NIAGARA FALLS
Street Address: RIVER ROAD

Status of Site Narrative:

THE SITE CONSISTS OF TWO AREAS OF MANMADE ISLAND EXTENSIONS. THE WESTERN TIP WAS EXTENDED 250 YARDS PRIOR TO 1930. IT WAS WIDENED BETWEEN THE YEARS 1958 AND 1962. THE SECOND EXTENDED AREA IS ALONG THE SOUTH SHORE. A COMPARISON OF 1927 AND 1980 NIAGARA FALLS MAPS INDICATES UP TO 100 FEET OF EXTENDED SOUTH SHORELINE. HARD FILL AND INDUSTRIAL DEBRIS (SAND, ABRASIVES, RUBBLE) WAS REPORTEDLY USED FOR EXTENSIONS. UNION CARBIDE, OLIN, AND HOOKER ARE LISTED BY NYSDC AS A FEW OF THE COMPANIES WHICH SUPPLIED FILL.

Type of Site: Open Dump ☐ Treatment Pond(s) ☐ Number of Ponds _____
Landfill ☒ Lagoon(s) ☐ Number of Lagoons _____
Structure ☐

Estimated Size ~10 Acres.

Hazardous Wastes Disposed? Confirmed ☐ Suspected ☐

*Type and Quantity of Hazardous Wastes:

TYPE	QUANTITY (Pounds, drums, tons, gallons)
<u>NO HAZARDOUS MATERIAL</u>	
<u>BELIEVED TO BE ON SITE</u>	

* Use additional sheets if more space is needed.

Name of Current Owner of Site: RESIDENTIAL / CITY OF NIAGARA FALLS

Address of Current Owner of Site: RIVERSHORE DRIVE - CAYUGA ISLAND

Time Period Site Was Used for Hazardous Waste Disposal:

_____, 19 58 To _____, 19 62

Is site Active ☐ Inactive ☒

(Site is inactive if hazardous wastes were disposed of at this site and site was closed prior to August 25, 1979)

Types of Samples: Air ☐ Groundwater ☐ None ☒
Surface Water ☐ Soil ☐

Remedial Action:	Proposed ☐	Under Design ☐
	In Progress ☐	Completed ☐
Nature of Action:		

Status of Legal Action: State ☒ Federal ☐

Permits Issued: Federal ☐ Local Government ☐ SPDES ☐
Solid Waste ☐ Mined Land ☐ Wetlands ☐ Other ☐

X Assessment of Environmental Problems:

NONE KNOWN

Assessment of Health Problems:

RECEIVED
JUN 27 1985
N.Y.S.D.E.C.

X Persons Completing this Form:

PAUL FLEMING

for: ECOLOGICAL ANALYSTS, INC.

New York State Department of Environmental
Conservation

Date 8-25-83

New York State Department of Health