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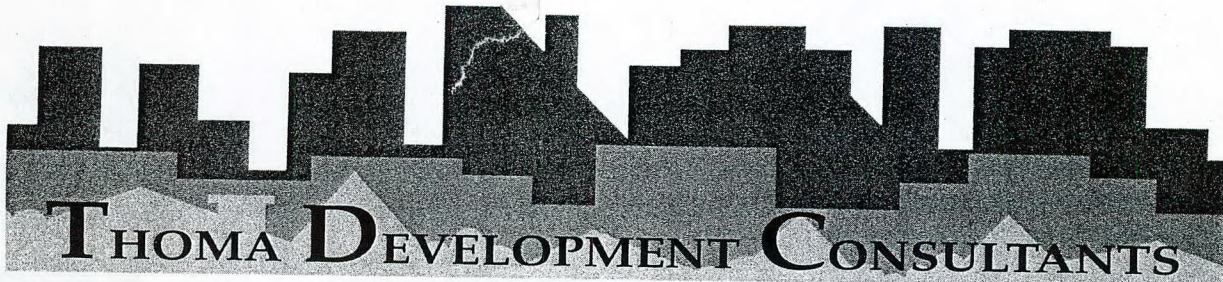
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Since 1980

June 24, 2004

C & S Engineers, Inc.
Attn: Robert Palladine, Jr., P.E.
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Dear Mr. Palladine:

Enclosed is a copy of the Phase I and Phase II Environmental Studies for the Noss Industrial Park site. In addition to these documents I have also enclosed an aerial photograph with parcel boundaries. Please note, the Noss Industrial Park site is outlined in **RED**.

Thank you for your participation in today's meeting and site visit. The City of Cortland looks forward to hearing from you regarding this project. Please contact me if you have any questions.

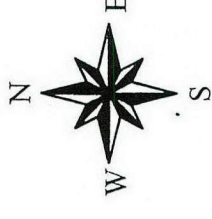
Sincerely,

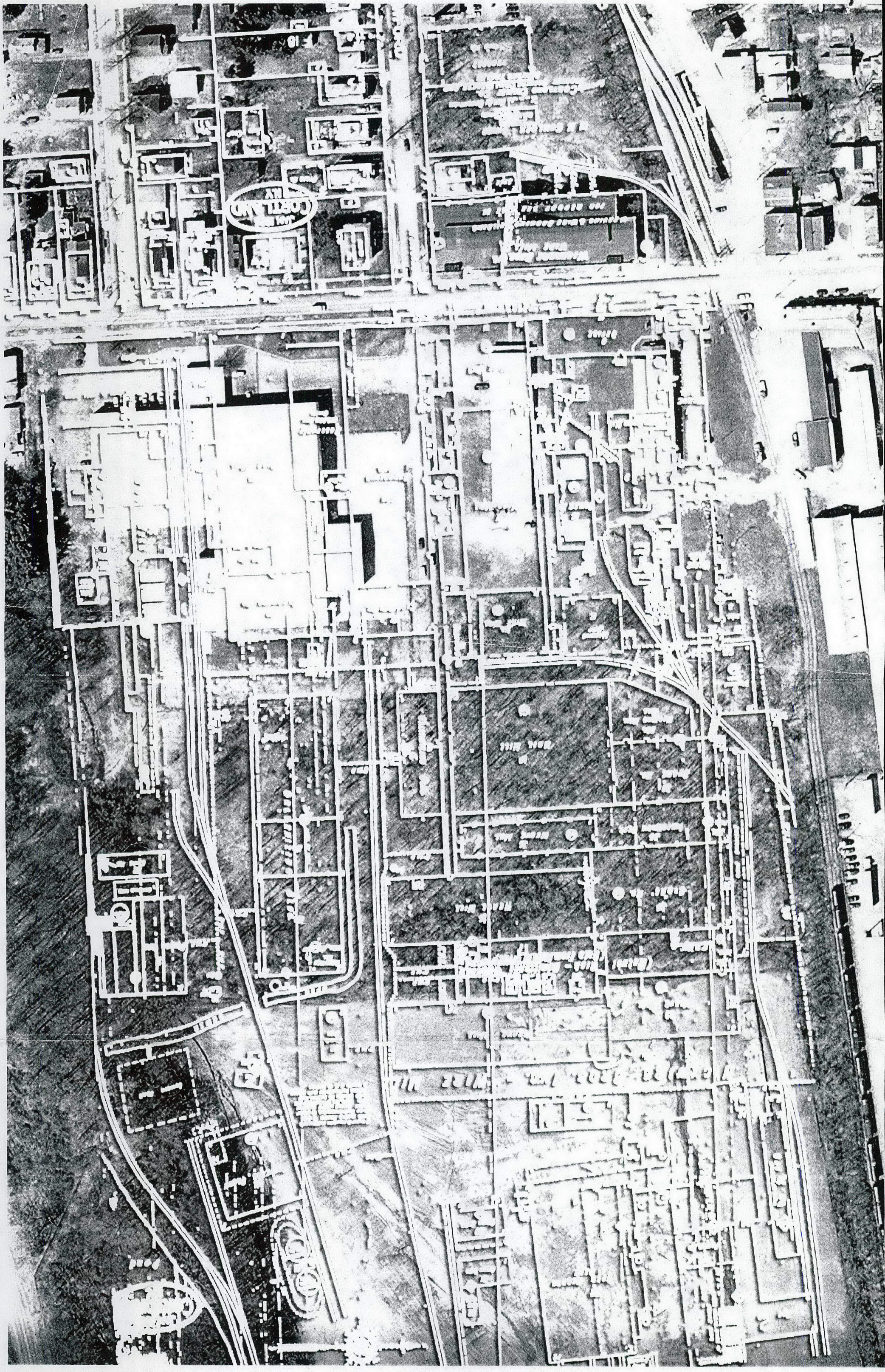
A handwritten signature in dark ink, appearing to read "Wesley A. Pettee". The signature is fluid and cursive, written over a light background.

Wesley A. Pettee
Program Manager/Planner

Enclosure

City of Cortland
Noss Park Industrial Site







MacNeill • Tagg Engineers

PHASE I

ENVIRONMENTAL RISK REPORT

SUBJECT SITE:

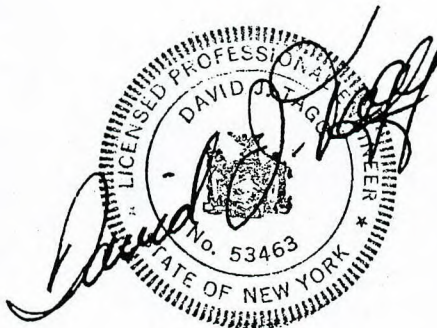
TAX MAP PARCEL #86.83-01-04.000

CITY OF CORTLAND
CORTLAND COUNTY
NEW YORK STATE

PREPARED FOR:

CITY OF CORTLAND
C/O THOMA DEVELOPMENT CONSULTANTS
34 TOMPKINS STREET
CORTLAND, NEW YORK 13045

AUGUST 1998



PROJECT #981022

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INTRODUCTION

Pursuant to a request by the City of Cortland, owner of the subject property, MacNeill -Tagg Engineers has performed and completed a Phase I Environmental Risk Investigation on the land identified as tax map parcel #86.83-01-04.000 located at the end of Noss Drive in the City of Cortland, New York. The purpose of this investigation is to evaluate the property for any potential adverse environmental risks for which the owner could be liable.

The report describes the site and its vicinity, and also provides findings, recommendations and conclusions as a result of this investigation.

David J. Tagg, P.E., is a Registered Engineer in New York State. He has provided more than twenty-five (25) years of environmental engineering services throughout New York State. He is familiar with federal, state, and local environmental laws and regulations that apply to this site. He is a member of several professional engineering and/or technical organizations. This report is a professional opinion covering the specific items included. The report includes a review of all environmental factors the engineer knows to be applicable. The engineer does not certify any environmental compliance beyond the specific scope of this report, but does certify that to the best of his knowledge the information provided is a true reflection of the information available to us.

PROCEDURE

A site visit was conducted on Friday, June 26, 1998 to investigate current environmental conditions at the site, and to view the surrounding area. In addition to the site visit, a review of various records, Freedom of Information Literature Search from the New York State Department of Environmental Conservation (NYSDEC) and Cortland County Health Department (CCHD) along with the United States Environmental Protection Agency (USEPA) records, was performed to gather data.

The combination of record review and site visit was designed to assess compliance with applicable rules and regulations and identify potential environmental liability.

SITE DESCRIPTION

The subject property is approximately 5.0 acres, and is located at the end of Noss Drive in the City of Cortland. (See **Figure 1** in Appendix A). The property is bounded on the north by the New York, Susquehanna and Western Railroad, on the west by a few businesses, on the south by Dowzer Electric and the east by the former site of the Rosen Brothers Scrapyard.

The property is basically flat. The site has been covered with vegetation for the past few years. **Figure 2** (see Appendix A) shows the soils found on-site and Appendix B gives a short description of these soils.

INVESTIGATIONS AND FINDINGS

Following by category are the findings of the investigations conducted.

PAST USE

We have been informed that the site was occupied by the former Wickwire Brothers Inc. wire factory approximately beginning about 1866 and ending in 1970. The site was formerly covered by the Nail Mill, Netting Mill, Glass Cloth Weave Mill and several storage buildings while the company was in existence. Approximately twenty years ago the site was prepared for use as an industrial site.

No buildings or structures were found on the subject property. It should be noted however, that past use as a wire and woven wire manufacturing site was likely to have caused oil and grease contamination of surface soils, use of asbestos was prevalent and at the time of demolition was not a controlled substance. Also chemical pickling of wire involved the use of strong acids that may have leaked from pits and vats through the flooring and into the soil. It was noted that a coal gasification plant was on or near the site that would have likely resulted in the generation of coal tars which, as a matter of convenience were commonly relegated to unlined surface pits.

ADJACENT PROPERTIES / LAND USES / ZONING

The land uses within one half mile of the site are largely commercial, consisting of stores and general commercial businesses; along with residential homes. It should be noted that there is a previous Wickwire Factory building adjacent to the site which may contain some unknown materials. The former Rosen Brothers Scrapyard site is located directly east of the site. The

Rosen site was classified in 1989 on the Superfund National Priorities List and is currently being monitored for future remediation.

The site is bordered on the north by the New York, Susquehanna and Western Railroad.

There is no reported contamination on the site from the railroad, however, it should be noted that the railroad has been in existence before records were kept of any possible contamination.

Only a groundwater investigation would identify contamination that has occurred. Also near the site are major local and through traffic corridors, U.S. Routes 41, 11 and 13.

According to the City of Cortland Zoning Map (See **Figure 4** in Appendix A) the property is located in the General Industrial District.

UNDERGROUND STORAGE TANKS

There are no known underground storage tanks on the site. The Cortland County Health Department (CCHD) is not aware of the existence of any underground storage tanks on or adjacent to the site.

ABOVE GROUND STORAGE TANKS

There are no known aboveground storage tanks on the site. Evidence of any above ground storage tanks was not observed on or adjacent to the property during the site visit. The Cortland County Health Department (CCHD) is not aware of the existence of any aboveground storage tanks on or adjacent to the site.

UTILITIES

The area is serviced by the City of Cortland public water supply and public sewer collection system. Common overhead power poles exist along South Main Street for power distribution to the area. New York State Electric and Gas supplies natural gas to the area for heating purposes. No other potential sources of environmental impairment were observed.

ENDANGERED SPECIES, HISTORIC, ARCHAEOLOGIC, & PALEONTOLOGIC SIGNIFICANCE, UNIQUE LAND FORMS, CRITICAL ENVIRONMENTAL AREAS, OTHER

Activities occurring at the site during recent years indicate this property seems to have no historic or environmental significance as it relates to endangered species, historic value, archaeological & paleontological significance, unique land forms, or critical environmental areas.

ASBESTOS

No evidence of any present sources or activities were observed at the site which would be linked to any asbestos contamination. However, past use may have caused asbestos to be released into surface soils.

RADON

According to the (CCHD), Cortland County has the highest average basement radon level readings in New York State. Attention should be given to possible radon at the site during building design.

LEAD PAINT / MISC. ISSUES

No evidence of any present sources or activities were observed at the site which would be linked to any lead paint contamination. However, past use may have caused lead based paint or its residuals to leach into the ground.

FLOODING, WETLANDS, STREAMS, GROUNDWATER

According to Figure 3 (See Appendix A) the property is not within the 100 year flood plain of the Tioughnioga River. The site is shown to be in Zone C, which is an area of minimal flooding. According to NYSDEC there is no wetland in close proximity to the site.

Groundwater flow is assumed to be in a northeasterly direction according to Figure 1.

SUB-SURFACE DISPOSAL SYSTEMS

Based on historical review the property has been served by public sewers since approximately 1900. Prior to this date it is likely that the buildings were served by subsurface disposal systems.

HAZARDOUS WASTE

In order to identify potentially hazardous sites, NYSDEC Spill Response Lists and Inactive Hazardous Waste Disposal Sites were referenced, CCHD records were reviewed, and our familiarity with the area was utilized. The following is a partial list of inactive hazardous waste sites in the general area:

- 1) Cortland County Landfill - Town Line Road, Town of Solon
- 2) Rosen Site - Pendleton Street, City of Cortland (Immediately adjacent to the site)
- 3) Cortland-Homer Coal Gas Plant - Rte. 11, Village of Homer

- 4) SCM Industries - Rte 13, South Cortlandville
- 5) South Hill Dump - South Hill Road, Cortlandville

It is noted that the only listed hazardous waste site in close proximity to the subject property is the former Rosen Brothers Scapyard which is currently being monitored for future remediation by the USEPA. It is our opinion that none of the other listed sites is likely to have any continuing detrimental environmental impact on the subject property.

According to the current NYSDEC Spill Response Lists there are several spill sites in the area, some of which were within one-half mile from the site. Based on our review, all were cleaned up to a point which would render them harmless to this site.

SUMMARY

The following is a summary of our significant findings and recommendations.

- 1) Based on our research and site visits, a Phase II investigation should be conducted. The initial investigation should include soil testing for the following:
 1. "Acids"
 2. Coal tars
 3. Lead
 4. Asbestos
 5. Oil and Grease
- 2) Results of the initial soil testing may indicate the need for additional soil tests and or ground water monitoring.
- 3) The NYSDEC Spill Response List revealed few recorded spills within one-half mile of the site. These sites could possibly affect the subject property, however, it is our opinion that they do not now pose any adverse environmental impacts to the subject property.
- 4) Radon testing should also be considered for the Phase II investigation.

Based on the findings described herein, it is our opinion that a Phase II site investigation is warranted at the time future development or site use is contemplated.

APPENDIX A

FIGURES

1. Location Map (USGS Quad: Cortland)
2. Soil Survey Map (Cortland County)
3. Flood Insurance Rate Map (City of Cortland)
4. Zoning Map (City of Cortland)
5. Tax Map (City of Cortland)

STATE OF NEW YORK
DEPARTMENT OF PUBLIC WORKS

LITTLE YORK 31 MI
0.6 MI TO N.Y. 90
(HOMER) 11 SYRACUSE 31 MI
TULLY 13 MI

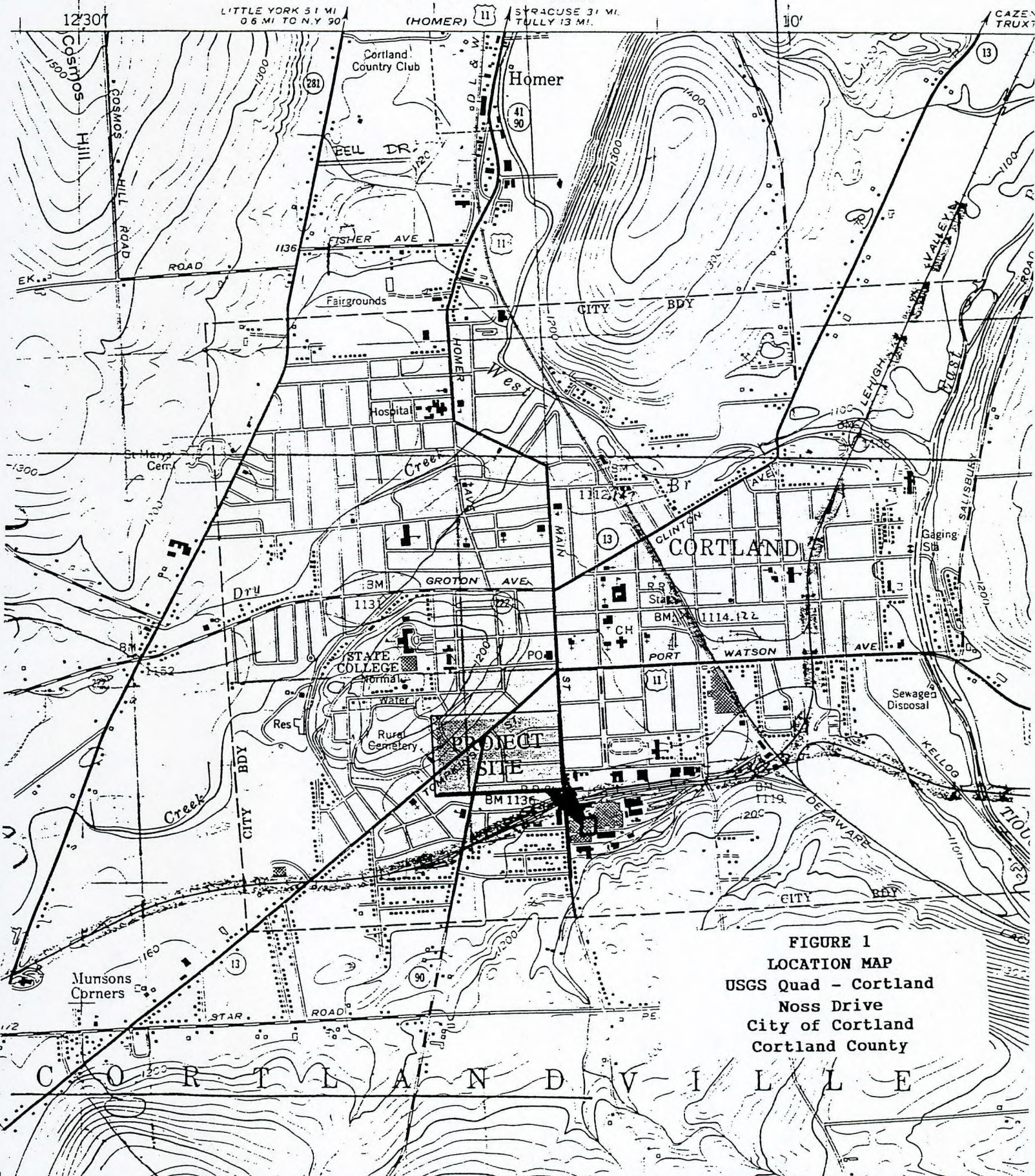


FIGURE 1
LOCATION MAP
USGS Quad - Cortland
Noss Drive
City of Cortland
Cortland County

C O R T L A N D V I L L E

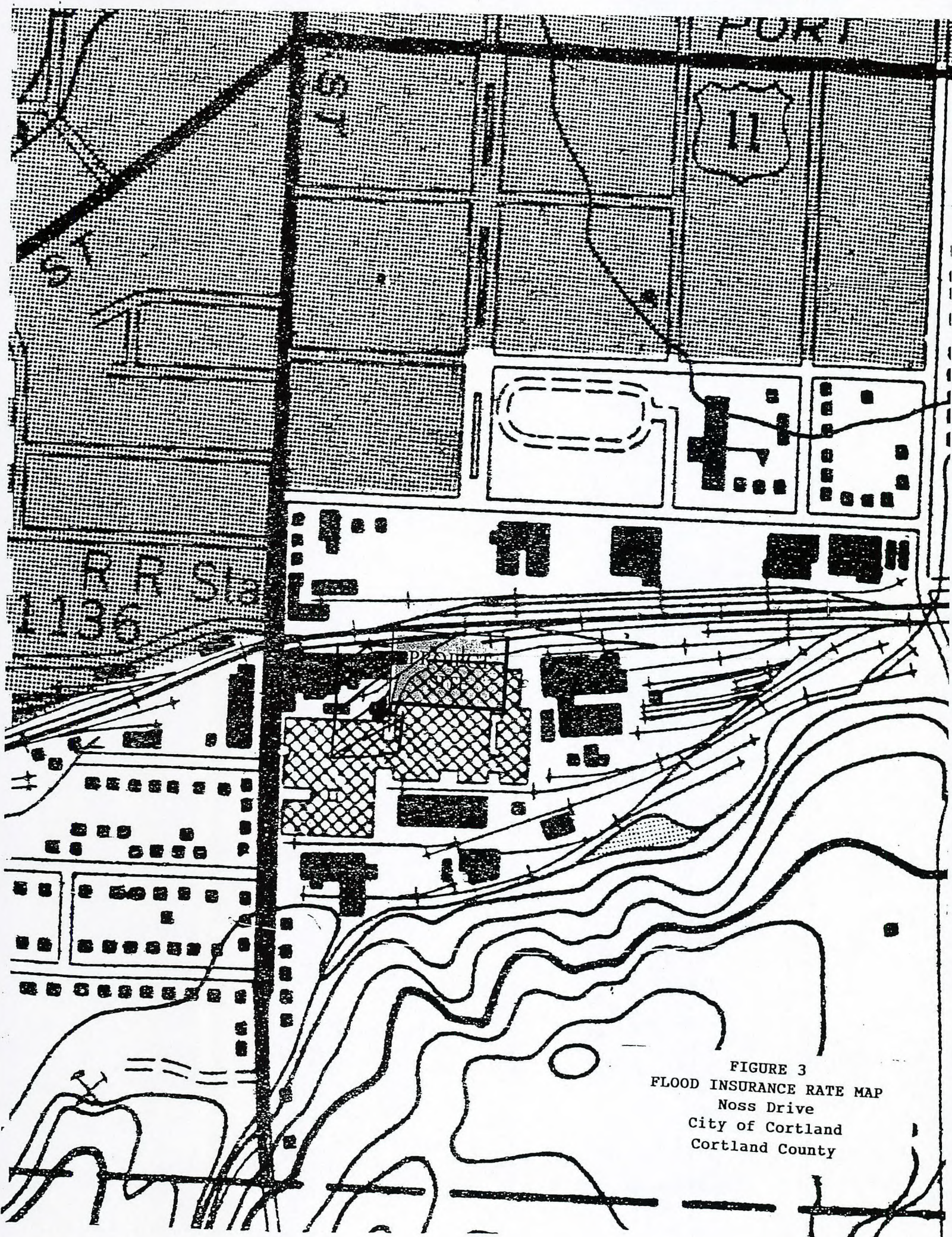
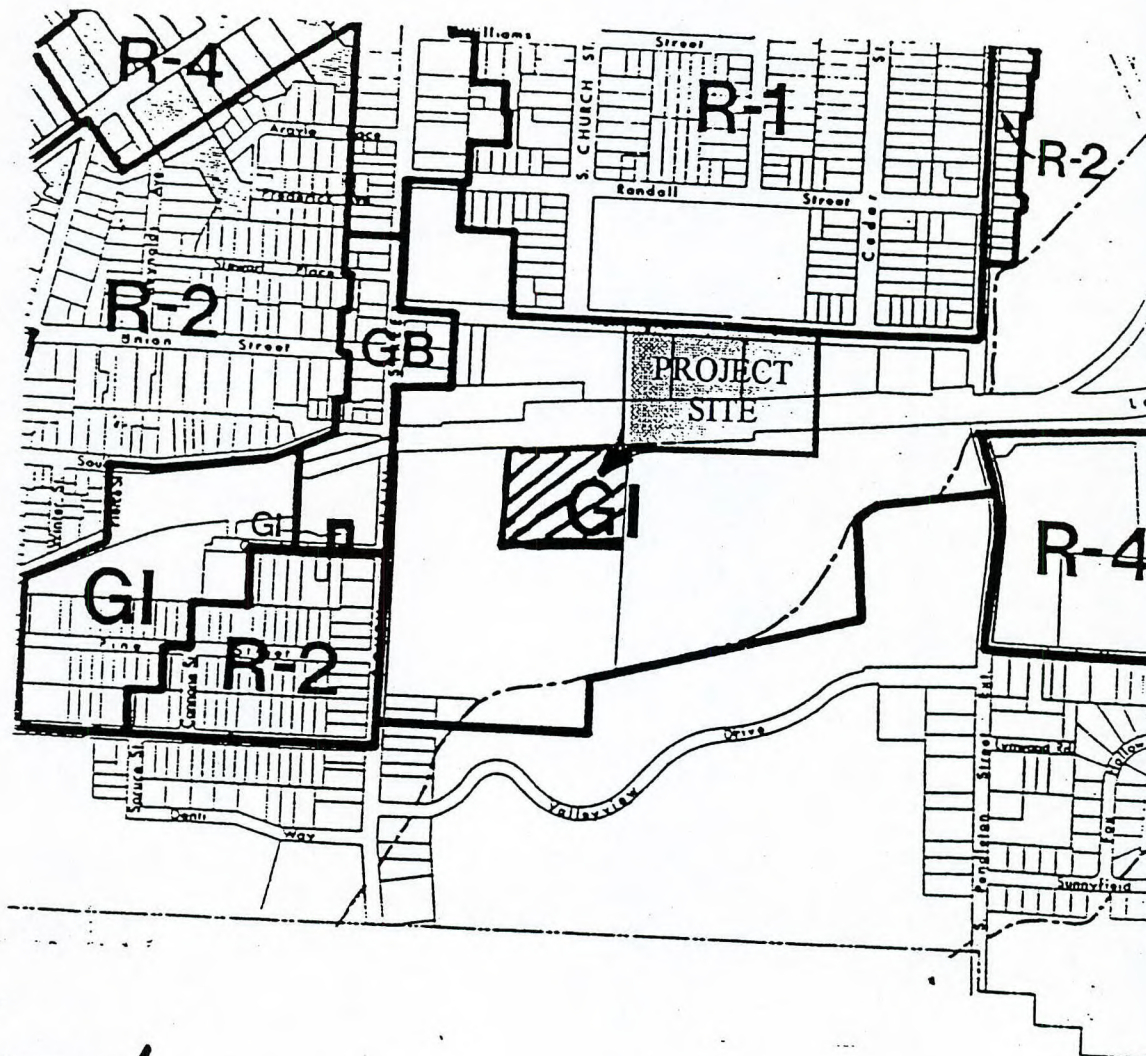


FIGURE 3
FLOOD INSURANCE RATE MAP
Noss Drive
City of Cortland
Cortland County



Legend:

RESIDENTIAL;

R-1	5.8 Dwelling Units/Acre
R-2	8.7 D.U./Acre
R-3	10.9 D.U./Acre
R-4	29.1 D.U./Acre

OTHER DISTRICTS;

PO	PROFESSIONAL OFFICE
SD	SERVICE DISTRICT
GB	GENERAL BUSINESS
CB	CENTRAL BUSINESS
GI	GENERAL INDUSTRIAL

SPECIAL DISTRICTS; (Overzones)

	FLOODWAY [1975] For current information consult map noted below.
	FLOOD HAZARD*
	HISTORIC/Architectural Design
	LANDMARK SITE

* LM

FIGURE 4
ZONING MAP (City of Cortland)
Noss Drive
City of Cortland
Cortland County

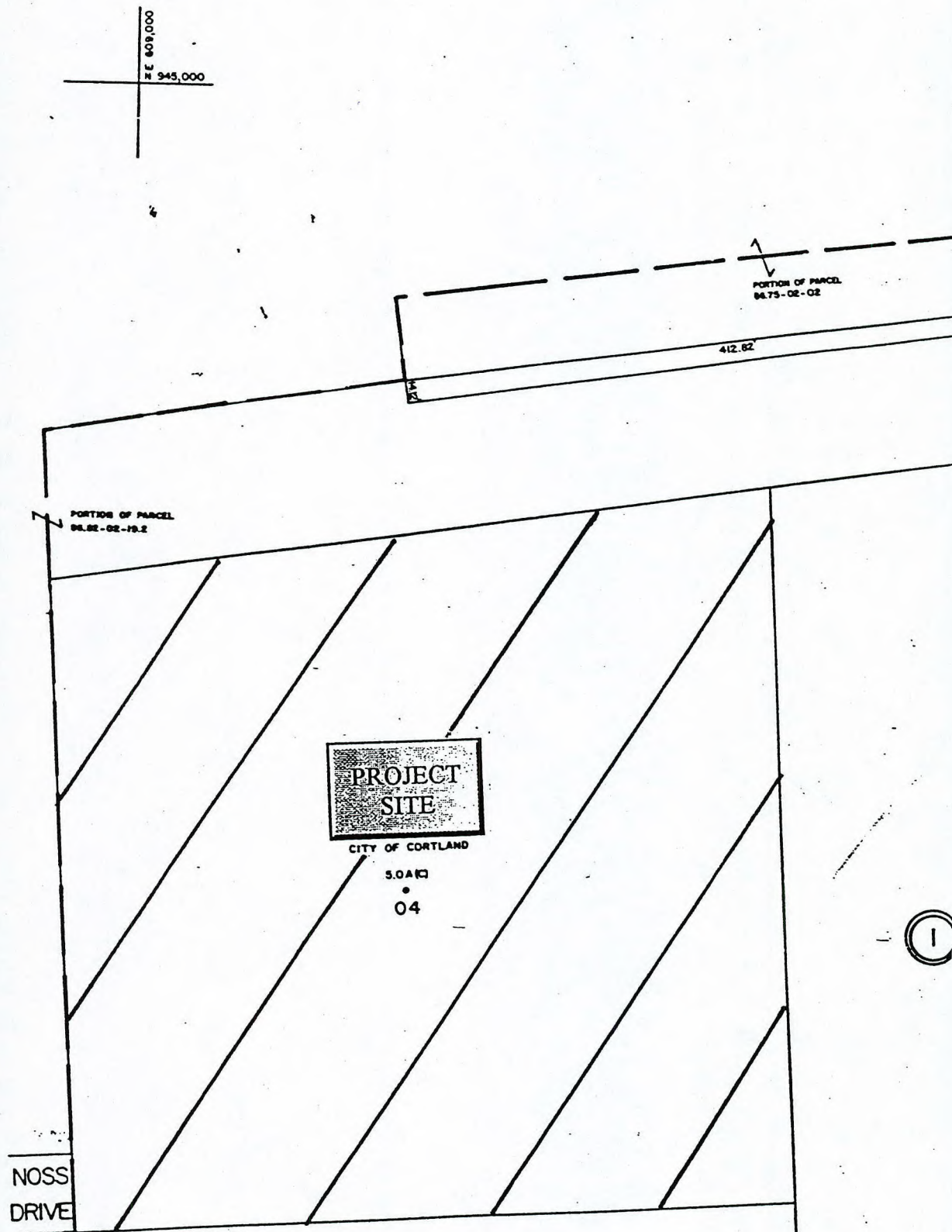


FIGURE 5
TAX MAP (City of Cortland)
Noss Drive
City of Cortland
Cortland County

APPENDIX B

SOILS DESCRIPTIONS

1. SCS On-Site Soils Description

SCS On-Site Soils Description

Palmyra Series

The Palmyra Series are found to be well drained and have formed in deep, gravelly outwash derived from siltstone, sandstone, shale and dark gray limestone.

Palmyra gravelly silt loam (0-3% slope) (PbA). This brownish medium-textured gravelly soil occupies relatively large areas in the broader valleys. This soil is readily permeable to water.



MacNeill • Tagg Engineers

PHASE II ENVIRONMENTAL AUDIT

Subject Site:
Tax Map Parcel #86-83-01-04.000

City of Cortland
Cortland County
New York State

City of Cortland
c/o Thoma Development Consultants
34 Tompkins Street
Cortland, NY 13045

September 1999

Project #991016

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General Background

Summary of Analysis

Findings

Recommendations

Exhibit 1 - Location Map

Exhibit 2 - Soil Boring Locations

Exhibit 3 - Laboratory Test Results

Exhibit 4 - Observations Report

GENERAL BACKGROUND

MacNeill-Tagg Engineers was retained to coordinate borings and perform a subsurface investigation of the property identified as tax map parcel #86.83-01-04.000 located at the end of Noss Drive in the City of Cortland, NY. See Location Map - Exhibit 1.

North Star Drilling was retained to perform soil borings at the locations indicated in Exhibit 2. The borings were conducted at six locations on the site on May 28, 1999. Each boring was completed to a depth of ten (10) feet. Split spoon samples were extracted by geoprobe.

Mr. Eric Monsen of Buck Environmental Laboratories, Inc., was on-site during the soil boring activities to observe the soil boring activities, survey soil samples with a photoionization detector (PID) for volatile organic compounds, and to collect samples for laboratory analysis. Subsequently, laboratory sampling of the grab samples and/or composite samples collected from each hole was conducted. Results are shown in Exhibit 3. A report of the borings (Exhibit 4) was prepared by Buck Environmental Laboratories, Inc.

SUMMARY OF ANALYSIS

As previously stated, samples of subsurface materials were collected by personnel of Buck Environmental Laboratories, Inc. With the exception of Sample S-4, which consisted of sand and gravel, the samples consisted of ash material which was visibly distinct from the soils encountered in the borings. The following laboratory testing was performed:

pH testing on "suspect metals" sample for each hole

Volatile Organic Compounds (VOC) analysis (EPA 8260) on the sample from each hole having the highest response on the PID

Polychlorinated biphenyls (PCB's) on a near surface sample at each hole (EPA 8082)

Target Analyte List (TAL) Metals (EPA 200.7), and Polycyclic Aromatic Hydrocarbons (PAH's) - (EPA 8270), on suspect sample, each hole

Test results are shown in Exhibit 3.

FINDINGS

The results of the testing performed by Buck Environmental Laboratories, Inc., were compared to the Recommended Soil Cleanup Objectives and Eastern USA Background Values documented in the New York State Department of Environmental Conservation's Technical and Administrative Guidance Memorandum 4046 (TAGM 4046) as revised January 24, 1994.

Volatiles by EPA 8260 and PCB's were not detected in any of the samples. PAH's (EPA 8270) were detected only in Boring #2. Heavy metals **are** present on the site. Recommended levels were exceeded by the following:

Soil Boring Sample S-1 exceeded the TAGM Recommended Soil Cleanup Objective (TAGM Value) by a factor of 3.1 for arsenic, 2.1 for barium, 5.0 for beryllium, 1.4 for calcium, 1.5 for chromium, 6.0 for copper, 13.3 for iron, 1.5 for mercury, 2.3 for nickel, and 21.3 for zinc

Soil Boring Sample S-1 exceeded the Eastern USA Background Levels by a factor of 2.0 for arsenic, 1.03 for barium, 1.4 for calcium, 1.8 for chromium, 3.0 for copper, 1.2 for nickel, and 8.5 for zinc.

Soil Boring Sample S-2 exceeded the TAGM Value by a factor of 1.3 for arsenic, 3.8 for beryllium, 1.1 for calcium, 3.1 for chromium, 3.5 for copper, 23.5 for iron, 1.7 for magnesium, 1.2 for manganese, 2.8 for mercury, 1.7 for nickel, 1.4 for vanadium, and 42.6 for zinc. Also, the TAGM Value for Benzo(a)pyrene was exceeded by a factor of 3.4, the TAGM Value for Benzo(b)fluoranthene by a factor of 1.1, and the TAGM Value for Benzo(k)fluoranthene by a factor of 1.1

Soil Boring Sample S-2 exceeded the Eastern USA Background Levels by a factor of 1.1 for calcium, 3.1 for chromium, 3.5 for copper, 1.7 for magnesium, 1.2 for manganese, 1.4 for mercury, and 17.0 for zinc

Soil Boring Sample S-3 exceeded the TAGM Value by a factor of 3.5 for beryllium, 2.6 for iron, and 8.4 for zinc

Soil Boring Sample S-3 exceeded the Eastern USA Background Levels by a factor of 3.4 for zinc

Soil Boring Sample S-4 exceeded the TAGM Value by a factor of 1.1 for arsenic, 4.4 for beryllium, 1.1 for cadmium, 5.2 for copper, 13.0 for iron, 1.7 for lead, 3.0 for mercury, 5.1 for nickel, and 448.5 for zinc

Soil Boring Sample S-4 exceeded the Eastern USA Background Levels by a factor of 11.2 for cadmium, 2.6 for copper, 1.4 for lead, 1.5 for mercury, 2.6 for nickel, and 179.4 for zinc

Soil Boring Sample S-5 exceeded the TAGM Value by a factor of 2.7 for beryllium, 2.0 for copper, 8.5 for iron, 4.9 for mercury, 1.4 for nickel, and 48.0 for zinc

Soil Boring Sample S-5 exceeded the Eastern USA Background Levels by a factor of 1.02 for copper, 2.4 for mercury, and 19.2 for zinc

Soil Boring Sample S-6 exceeded the TAGM Value by a factor of 1.02 for arsenic, 1.1 for chromium, 4.2 for copper, 13.6 for iron, 2.3 for mercury, 1.5 for nickel, and 26.9 for zinc

Soil Boring S-6 exceeded the Eastern USA Background Levels by a factor of 1.4 for chromium, 2.1 for copper, 1.2 for mercury, and 14.8 for zinc

RECOMMENDATIONS

Based on the results described, it is recommended the following actions be taken at the site.

1. Although the values that exceed the TAGM Values are of concern, a comparison of the results to TAGM values, Eastern USA Background Levels and Native Soil Concentrations (Dragun, 1988), the test results indicate that the greatest concern for TAL metals is from the following: arsenic, cadmium, chromium, copper, lead, mercury and zinc. The PAH of major concern is benzo(a)pyrene which is a carcinogen. The identified levels of TAL Metals and benzo(a)pyrene represent potential inhalation and ingestion risks. The risks occur when there is activity at the site that would cause direct contact with the soils of the site such as construction or equipment operation on an unprotected soil surface.

To mitigate risk, when construction occurs on the site, precautions need to be taken to prevent inhalation or ingestion. Based on the test results indicated herein, allowable exposure limits for personnel can be calculated to determine the precautions required to keep exposure at or below recommended levels as compared to the allowable exposure limits as per the OSHA Time-Weighted Average (TWA).

Recreational uses or other uses that result in disturbance of soil are **not** recommended because of the soil movement and potential dust generation by such activities.

For industrial or commercial use of the property, the portion of the site covered with structures or pavement would adequately protect against inhalation and ingestion. Remaining portions of the site should be covered with 3"-5" of topsoil and then seeded. Mowing would be acceptable once topsoil has been placed.

2. There is typically uptake of metals by vegetation. Therefore, it is recommended **not** to grow any vegetation for animal feed or vegetation to be used for human consumption.
3. The city should remain cognizant of the contamination levels at the site. The likelihood of migration of contamination off-site is relatively small unless on site activities generate large quantities of dust that blow off-site.
4. Groundwater was **not** present in the borings and no sampling of groundwater beneath the site was performed. However, because contamination exists above the groundwater, as evidenced by the findings, it is recommended that groundwater testing be performed prior to the use of groundwater for any purpose.

BUCK ENVIRONMENTAL

LABORATORIES, INC.

ACCREDITED ENVIRONMENTAL ANALYSIS
3845 ROUTE 11 SOUTH, P.O. BOX 5150
CORTLAND, N.Y. 13045 607-753-3403**Laboratory Report****Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99

Site: NOSS PARK

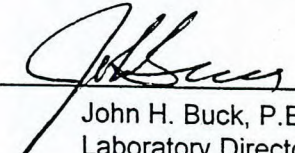
Sample ID: SOIL BORING S-6

ANALYTE	METHOD	ANALYZED	BY	UNITS	DL	RESULTS
Aluminum, total	200.7/6010	06/07/99	MB	ug/g	1	5000
Antimony, total	200.7/6010	06/07/99	MB	ug/g	1.1	5.99
Arsenic, total	200.7/6010	06/07/99	MB	ug/g	1	7.65
Barium, total	200.7/6010	06/07/99	MB	ug/g	1	68
Beryllium, total	200.7/6010	06/07/99	MB	ug/g	0.4	ND
Cadmium, total	200.7/6010	06/07/99	MB	ug/g	0.1	ND
Calcium, total	200.7/6010	06/07/99	MB	ug/g	1	11800
Chromium, total	200.7/6010	06/07/99	MB	ug/g	1	56
Cobalt, total	200.7/6010	06/07/99	MB	ug/g	1	5
Copper, total	200.7/6010	06/07/99	MB	ug/g	1	105
Digest	3050	06/03/99	VP	DATE	0	complete
pH	9045	06/03/99	IES	Units	0.1	7.451
Iron, total	200.7/6010	06/07/99	MB	ug/g	1	27100
Lead, total	200.7/6010	06/07/99	MB	ug/g	1	163
Magnesium, total	200.7/6010	06/07/99	MB	ug/g	1	2690
Manganese, total	200.7/6010	06/07/99	MB	ug/g	1	2170
Mercury, total	245.1/7471	06/10/99	MB	ug/g	0.01	0.231
Nickel, total	200.7/6010	06/07/99	MB	ug/g	1	20.1
Potassium, total	200.7/6010	06/07/99	MB	ug/g	1	349
Selenium, total	200.7/6010	06/07/99	MB	ug/g	0.4	ND
Silver, total	200.7/6010	06/07/99	MB	ug/g	0.3	ND
Sodium, total	200.7/6010	06/07/99	MB	ug/g	14.9	71
Thallium, total	200.7/6010	06/07/99	MB	ug/g	0.7	ND
Vanadium, total	200.7/6010	06/07/99	MB	ug/g	1	52.1
Zinc, total	200.7/6010	06/07/99	MB	ug/g	1	738

This laboratory analysis has been performed in accordance with generally accepted laboratory practices and requirements of the New York State Department of Health ELAP Program. Buck Environmental Laboratories, Inc. makes no recommendations, representations or warranties other than as specifically set forth in this report and shall not be responsible or liable for any action or the consequences of any action taken in connection with this report.

(ND => not detected above DL indicated)
(DL => detection limit)
(mg/L => ppm in water)
(ug/g => ppm in solid)

_LFILLA.FRX


John H. Buck, P.E.
Laboratory Director
ELAP ID: 10795

**BUCK ENVIRONMENTAL
LABORATORIES, INC.**
ACCREDITED ENVIRONMENTAL ANALYSIS3845 ROUTE 11 SOUTH.
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/10/99

Sample ID: SOIL BORING S-6

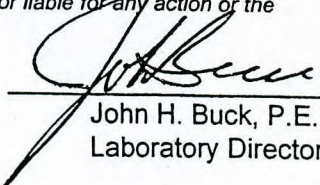
VOLATILES BY EPA 8260

ANALYTE	CAS #	UNITS	DL	RESULTS
Benzene	71-43-2	ug/kg	5	ND
Bromobenzene	108-86-1	ug/kg	5	ND
Bromochloromethane	74-97-5	ug/kg	5	ND
Bromodichloromethane	75-27-4	ug/kg	5	ND
Bromoform	75-25-2	ug/kg	5	ND
Bromomethane	74-83-9	ug/kg	10	ND
n-Butylbenzene	104-51-8	ug/kg	5	ND
sec-Butylbenzene	135-98-8	ug/kg	5	ND
tert-Butylbenzene	98-06-6	ug/kg	5	ND
Carbontetrachloride	56-23-5	ug/kg	5	ND
Chlorobenzene	108-90-7	ug/kg	5	ND
Chloroethane	75-00-3	ug/kg	10	ND
Chloroform	67-66-3	ug/kg	5	ND
Chloromethane	74-87-3	ug/kg	10	ND
2-Chlorotoluene	95-49-8	ug/kg	5	ND
4-Chlorotoluene	106-43-4	ug/kg	5	ND
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	25	ND
Dibromochloromethane	124-48-1	ug/kg	5	ND
1,2-Dibromoethane	106-93-4	ug/kg	5	ND
Dibromomethane	74-95-3	ug/kg	10	ND
1,2-Dichlorobenzene	95-50-1	ug/kg	5	ND
1,3-Dichlorobenzene	541-73-1	ug/kg	5	ND
1,4-Dichlorobenzene	106-46-7	ug/kg	5	ND
Dichlorodifluoromethane	75-71-8	ug/kg	5	ND
1,1-Dichloroethane	75-34-3	ug/kg	5	ND
1,2-Dichloroethane	107-06-2	ug/kg	5	ND
1,1-Dichloroethene	75-35-4	ug/kg	5	ND
cis-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
trans-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
1,2-Dichloropropane	78-87-5	ug/kg	5	ND
1,3-Dichloropropane	142-28-9	ug/kg	5	ND
2,2-Dichloropropane	594-20-7	ug/kg	5	ND
1,1-Dichloropropene	563-58-6	ug/kg	5	ND
Ethylbenzene	100-41-1	ug/kg	5	ND
Hexachlorobutadiene	87-68-3	ug/kg	5	ND
Isopropylbenzene	98-82-8	ug/kg	5	ND
p-Isopropyltoluene	99-87-6	ug/kg	5	ND
Methylene chloride	75-09-2	ug/kg	5	ND
Naphthalene	91-20-3	ug/kg	5	ND
n-Propylbenzene	103-65-1	ug/kg	5	ND
Styrene	100-42-5	ug/kg	5	ND
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	5	ND
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	5	ND
Tetrachloroethene	127-18-4	ug/kg	5	ND
Toluene	108-88-3	ug/kg	5	ND
1,2,3-Trichlorobenzene	87-61-6	ug/kg	5	ND
1,2,4-Trichlorobenzene	120-82-1	ug/kg	5	ND
1,1,1-Trichloroethane	71-55-6	ug/kg	5	ND
1,1,2-Trichloroethane	79-00-5	ug/kg	5	ND
Trichloroethene	79-01-6	ug/kg	5	ND
Trichlorofluoromethane	75-69-4	ug/kg	5	ND
1,2,3-Trichloropropane	96-18-4	ug/kg	15	ND
1,2,4-Trimethylbenzene	95-63-6	ug/kg	5	ND
1,3,5-Trimethylbenzene	108-67-8	ug/kg	5	ND
Vinyl chloride	75-01-4	ug/kg	10	ND
xylenes(m,o,&p)	1330-20-7	ug/kg	5	ND

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(NEG => not detected)
(DL => detection limit)
(ug/L => ppb in water)
(ug/kg => ppb solid)

8021L.FRX


John H. Buck, P.E.
Laboratory Director, ELAP ID 10795

**BUCK ENVIRONMENTAL
LABORATORIES INC.**3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report
Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: JK
Analyzed: 06/11/99

Sample ID: SOIL BORING S-6

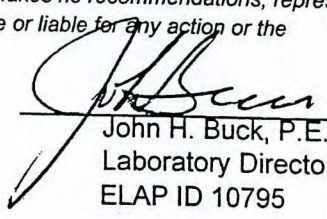
PCB IN SOLIDS

ANALYTE	CAS #	UNITS	DL	RESULTS
Aroclor 1016	12674-11-2	ug/g	0.05	ND
Aroclor 1221	11104-28-2	ug/g	0.05	ND
Aroclor 1232	11141-16-5	ug/g	0.05	ND
Aroclor 1242	53469-21-9	ug/g	0.05	ND
Aroclor 1248	12672-29-6	ug/g	0.05	ND
Aroclor 1254	11097-69-1	ug/g	0.05	ND
Aroclor 1260	11096-82-5	ug/g	0.05	ND

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(NEG => not detected)

BTX1.FRX


John H. Buck, P.E.
Laboratory Director
ELAP ID 10795

BUCK ENVIRONMENTAL
LABORATORIES INC.3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/18/99**Sample ID: SOIL BORING S-6****PAH'S BY EPA 8270**

ANALYTE	CAS #	UNITS	DL	RESULTS
Acenaphthene	83-32-9	ug/kg	170	ND
Acenaphthylene	208-96-8	ug/kg	170	ND
Anthracene	120-12-7	ug/kg	170	ND
Benzo(a)anthracene	56-55-3	ug/kg	340	ND
Benzo(a)pyrene	50-32-8	ug/kg	170	ND
Benzo(b)fluoranthene	205-99-2	ug/kg	170	ND
Benzo(ghi)perylene	191-24-2	ug/kg	170	ND
Benzo(k)fluoranthene	207-08-9	ug/kg	170	ND
Chrysene	218-01-9	ug/kg	170	ND
Dibenzo(a,h)anthracene	53-70-3	ug/kg	170	ND
Fluoranthene	206-44-0	ug/kg	170	ND
Fluorene	86-73-7	ug/kg	170	ND
Indeno(1,2,3-c,d)pyrene	193-39-5	ug/kg	170	ND
Naphthalene	91-20-3	ug/kg	170	ND
Phenanthrene	85-01-8	ug/kg	340	ND
Pyrene	129-00-0	ug/kg	170	ND

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BTEX1.FRX

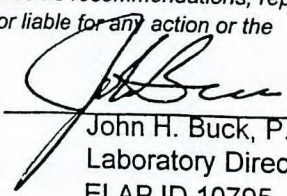

John H. Buck, P.E.
Laboratory Director
ELAP ID 10795

EXHIBIT 4

OBSERVATIONS REPORT

EXHIBIT 1

LOCATION MAP

R-1

GB

G

Perplexity Creek

Project
Site

R-1

Exhibit 1
Location Map
Noss Drive
City of Cortland

Cortland City
School District

EXHIBIT 2

SOIL BORING LOCATIONS

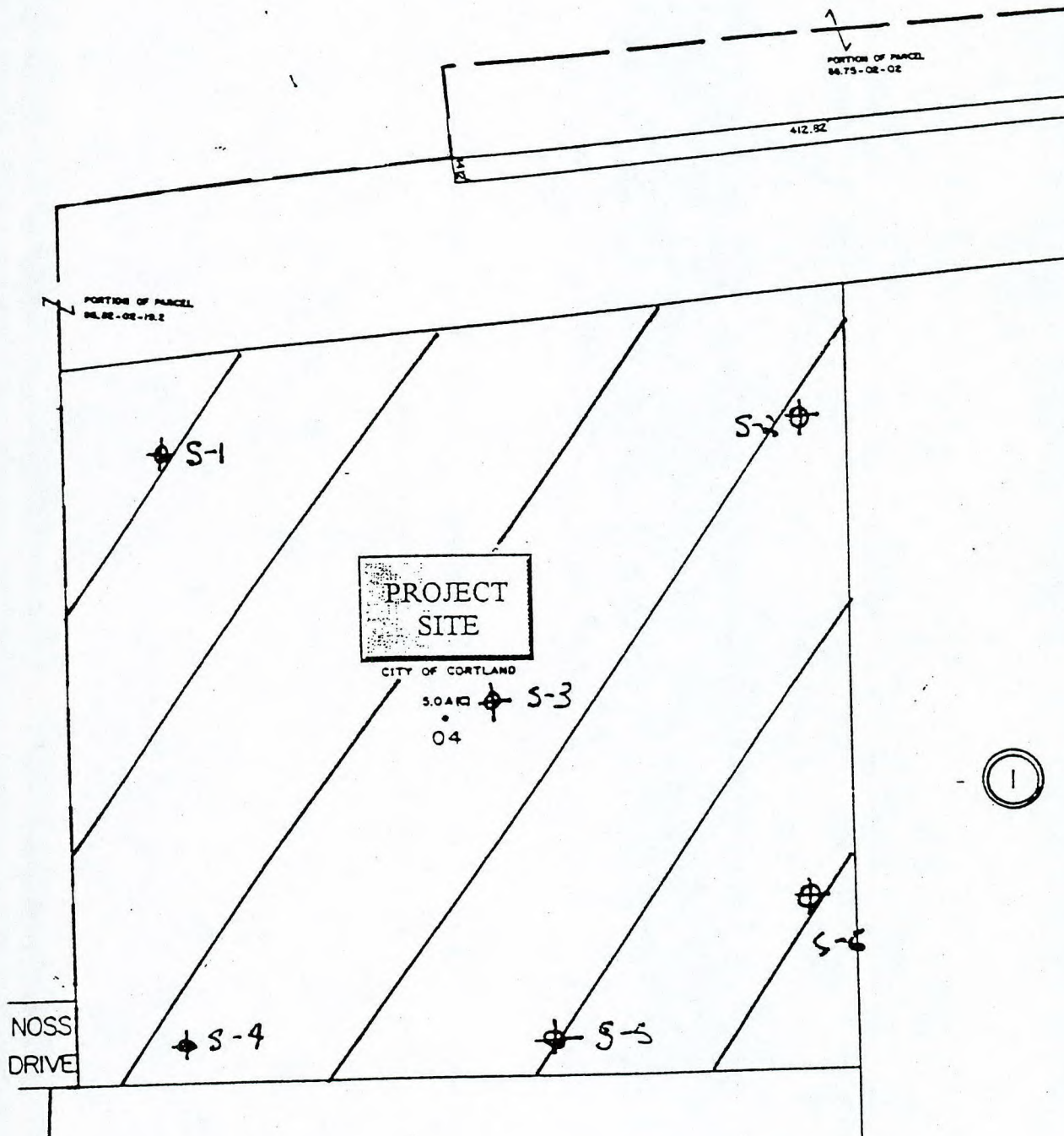
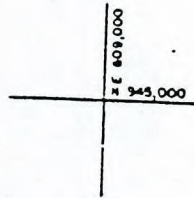


Exhibit 2
Soil Boring Locations
Noss Drive
City of Cortland

FOR REMAINING PORTION
SEE MAP 84 26

EXHIBIT 3

LABORATORY TEST RESULTS

Laboratory Report
Lab Log No: 9905328

Client: MACNEILL-TAGG ENGINEERS
 PO BOX 320
 HOMER NY 13077-

Report Date: 06/21/99
 Sampling Date: 05/28/99
 Sampled By: ERIC MONSEN
 Date Received: 05/28/99

Site: NOSS PARK

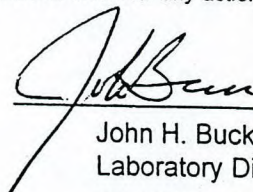
Sample ID: SOIL BORING S-1

ANALYTE	METHOD	ANALYZED	BY	UNITS	DL	RESULTS
Aluminum, total	200.7/6010	06/07/99	MB	ug/g	1	5360
Antimony, total	200.7/6010	06/07/99	MB	ug/g	1.1	6.33
Arsenic, total	200.7/6010	06/07/99	MB	ug/g	1	23.4
Barium, total	200.7/6010	06/07/99	MB	ug/g	1	618
Beryllium, total	200.7/6010	06/07/99	MB	ug/g	0.5	0.79
Cadmium, total	200.7/6010	06/07/99	MB	ug/g	0.1	ND
Calcium, total	200.7/6010	06/07/99	MB	ug/g	1	49300
Chromium, total	200.7/6010	06/07/99	MB	ug/g	1	72.7
Cobalt, total	200.7/6010	06/07/99	MB	ug/g	1	5.78
Copper, total	200.7/6010	06/07/99	MB	ug/g	1	150
Digest	3050	06/03/99	VP	DATE	0	complete
pH	9045	06/03/99	IES	Units	0.1	7.7
Iron, total	200.7/6010	06/07/99	MB	ug/g	1	26600
Lead, total	200.7/6010	06/07/99	MB	ug/g	1	170
Magnesium, total	200.7/6010	06/07/99	MB	ug/g	1	3460
Manganese, total	200.7/6010	06/07/99	MB	ug/g	1	2420
Mercury, total	245.1/7471	06/10/99	MB	ug/g	0.01	0.155
Nickel, total	200.7/6010	06/07/99	MB	ug/g	1	29.7
Potassium, total	200.7/6010	06/07/99	MB	ug/g	1	679
Selenium, total	200.7/6010	06/07/99	MB	ug/g	0.5	ND
Silver, total	200.7/6010	06/07/99	MB	ug/g	0.3	ND
Sodium, total	200.7/6010	06/07/99	MB	ug/g	15.2	108
Thallium, total	200.7/6010	06/07/99	MB	ug/g	0.7	ND
Vanadium, total	200.7/6010	06/07/99	MB	ug/g	1	36
Zinc, total	200.7/6010	06/07/99	MB	ug/g	1	426

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 (mg/L => ppm in water)
 (ug/g => ppm in solid)

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 John H. Buck, P.E.
 Laboratory Director
 ELAP ID: 10795

BUCK ENVIRONMENTAL
LABORATORIES INC.

ACCREDITED ENVIRONMENTAL ANALYSIS

3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/10/99

Sample ID: SOIL BORING S-1

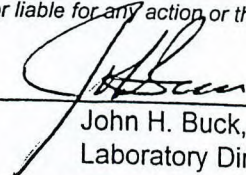
VOLATILES BY EPA 8260

ANALYTE	CAS #	UNITS	DL	RESULTS
Benzene	71-43-2	ug/kg	5	ND
Bromobenzene	108-86-1	ug/kg	5	ND
Bromochloromethane	74-97-5	ug/kg	5	ND
Bromodichloromethane	75-27-4	ug/kg	5	ND
Bromoform	75-25-2	ug/kg	5	ND
Bromomethane	74-83-9	ug/kg	5	ND
n-Butylbenzene	104-51-8	ug/kg	10	ND
sec-Butylbenzene	135-98-8	ug/kg	5	ND
tert-Butylbenzene	98-06-6	ug/kg	5	ND
Carbontetrachloride	56-23-5	ug/kg	5	ND
Chlorobenzene	108-90-7	ug/kg	5	ND
Chloroethane	75-00-3	ug/kg	5	ND
Chloroform	67-66-3	ug/kg	10	ND
Chloromethane	74-87-3	ug/kg	5	ND
2-Chlorotoluene	95-49-8	ug/kg	10	ND
4-Chlorotoluene	106-43-4	ug/kg	5	ND
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	5	ND
Dibromochloromethane	124-48-1	ug/kg	25	ND
1,2-Dibromoethane	106-93-4	ug/kg	5	ND
Dibromomethane	74-95-3	ug/kg	5	ND
1,2-Dichlorobenzene	95-50-1	ug/kg	10	ND
1,3-Dichlorobenzene	541-73-1	ug/kg	5	ND
1,4-Dichlorobenzene	106-46-7	ug/kg	5	ND
Dichlorodifluoromethane	75-71-8	ug/kg	5	ND
1,1-Dichloroethane	75-34-3	ug/kg	5	ND
1,2-Dichloroethane	107-06-2	ug/kg	5	ND
1,1-Dichloroethene	75-35-4	ug/kg	5	ND
cis-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
trans-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
1,2-Dichloropropane	78-87-5	ug/kg	5	ND
1,3-Dichloropropane	142-28-9	ug/kg	5	ND
2,2-Dichloropropane	594-20-7	ug/kg	5	ND
1,1-Dichloropropene	563-58-6	ug/kg	5	ND
Ethylbenzene	100-41-1	ug/kg	5	ND
Hexachlorobutadiene	87-68-3	ug/kg	5	ND
Isopropylbenzene	98-82-8	ug/kg	5	ND
p-Isopropyltoluene	99-87-6	ug/kg	5	ND
Methylene chloride	75-09-2	ug/kg	5	ND
Naphthalene	91-20-3	ug/kg	5	ND
n-Propylbenzene	103-65-1	ug/kg	5	ND
Styrene	100-42-5	ug/kg	5	ND
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	5	ND
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	5	ND
Tetrachloroethene	127-18-4	ug/kg	5	ND
Toluene	108-88-3	ug/kg	5	ND
1,2,3-Trichlorobenzene	87-61-6	ug/kg	5	ND
1,2,4-Trichlorobenzene	120-82-1	ug/kg	5	ND
1,1,1-Trichloroethane	71-55-6	ug/kg	5	ND
1,1,2-Trichloroethane	79-00-5	ug/kg	5	ND
Trichloroethene	79-01-6	ug/kg	5	ND
Trichlorofluoromethane	75-69-4	ug/kg	5	ND
1,2,3-Trichloropropane	96-18-4	ug/kg	5	ND
1,2,4-Trimethylbenzene	95-63-6	ug/kg	15	ND
1,3,5-Trimethylbenzene	108-67-8	ug/kg	5	ND
Vinyl chloride	75-01-4	ug/kg	5	ND
xylene(m,o,p)	1330-20-7	ug/kg	10	ND

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(DL => detection limit)
(ug/L => ppb in water)
(ug/kg => ppb solid)

8021L.FRX


John H. Buck, P.E.
Laboratory Director, ELAP ID 10795

**BUCK ENVIRONMENTAL
LABORATORIES INC.**3845 ROUTE 11 SOUTH, P.O. BOX 5150
CORTLAND, N.Y. 13045 607-753-3403**Laboratory Report
Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: JK
Analyzed: 06/10/99

Sample ID: SOIL BORING S-1

PCB IN SOLIDS

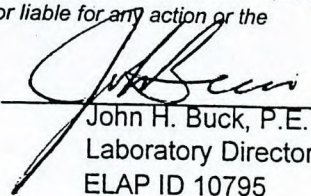
ANALYTE	CAS #	UNITS	DL	RESULTS
Aroclor 1016	12674-11-2	ug/g	0.05	ND
Aroclor 1221	11104-28-2	ug/g	0.05	ND
Aroclor 1232	11141-16-5	ug/g	0.05	ND
Aroclor 1242	53469-21-9	ug/g	0.05	ND
Aroclor 1248	12672-29-6	ug/g	0.05	ND
Aroclor 1254	11097-69-1	ug/g	0.05	ND
Aroclor 1260	11096-82-5	ug/g	0.05	ND

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BTEX1.FRX


John H. Buck, P.E.
Laboratory Director
ELAP ID 10795

**BUCK ENVIRONMENTAL
LABORATORIES INC.**3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report**
Lab Log No: 9905328Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/16/99

Sample ID: SOIL BORING S-1

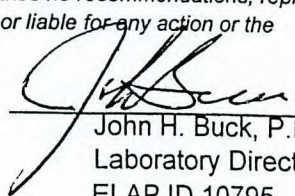
PAH'S BY EPA 8270

ANALYTE	CAS #	UNITS	DL	RESULTS
Acenaphthene	83-32-9	ug/kg	170	ND
Acenaphthylene	208-96-8	ug/kg	170	ND
Anthracene	120-12-7	ug/kg	170	ND
Benzo(a)anthracene	56-55-3	ug/kg	340	ND
Benzo(a)pyrene	50-32-8	ug/kg	170	ND
Benzo(b)fluoranthene	205-99-2	ug/kg	170	ND
Benzo(ghi)perylene	191-24-2	ug/kg	170	ND
Benzo(k)fluoranthene	207-08-9	ug/kg	170	ND
Chrysene	218-01-9	ug/kg	170	199
Dibenzo(a,h)anthracene	53-70-3	ug/kg	170	ND
Fluoranthene	206-44-0	ug/kg	170	ND
Fluorene	86-73-7	ug/kg	170	ND
Indeno(1,2,3-c,d)pyrene	193-39-5	ug/kg	170	ND
Naphthalene	91-20-3	ug/kg	170	ND
Phenanthrene	85-01-8	ug/kg	340	ND
Pyrene	129-00-0	ug/kg	170	ND

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BTEX1.FRX


John H. Buck, P.E.
Laboratory Director
ELAP ID 10795

BUCK ENVIRONMENTAL
LABORATORIES INC.

ACCREDITED ENVIRONMENTAL ANALYSIS

3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: JK
Analyzed: 06/10/99**Sample ID: SOIL BORING S-2****PCB IN SOLIDS**

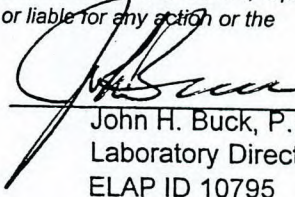
ANALYTE	CAS #	UNITS	DL	RESULTS
Aroclor 1016	12674-11-2	ug/g	0.05	ND
Aroclor 1221	11104-28-2	ug/g	0.05	ND
Aroclor 1232	11141-16-5	ug/g	0.05	ND
Aroclor 1242	53469-21-9	ug/g	0.05	ND
Aroclor 1248	12672-29-6	ug/g	0.05	ND
Aroclor 1254	11097-69-1	ug/g	0.05	ND
Aroclor 1260	11096-82-5	ug/g	0.05	ND

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(NEG => not detected)

BTEX1.FRX


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BUCK ENVIRONMENTAL
LABORATORIES INC.

ACCREDITED ENVIRONMENTAL ANALYSIS

3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

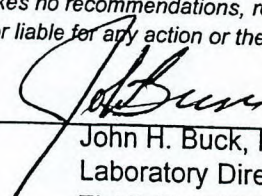
Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/16/99**Sample ID: SOIL BORING S-2****PAH'S BY EPA 8270**

ANALYTE	CAS #	UNITS	DL	RESULTS
Acenaphthene	83-32-9	ug/kg	170	ND
Acenaphthylene	208-96-8	ug/kg	170	ND
Anthracene	120-12-7	ug/kg	170	ND
Benzo(a)anthracene	56-55-3	ug/kg	340	ND
Benzo(a)pyrene	50-32-8	ug/kg	170	207
Benzo(b)fluoranthene	205-99-2	ug/kg	170	247
Benzo(ghi)perylene	191-24-2	ug/kg	170	ND
Benzo(k)fluoranthene	207-08-9	ug/kg	170	252
Chrysene	218-01-9	ug/kg	170	386
Dibenzo(a,h)anthracene	53-70-3	ug/kg	170	ND
Fluoranthene	206-44-0	ug/kg	170	429
Fluorene	86-73-7	ug/kg	170	ND
Indeno(1,2,3-c,d)pyrene	193-39-5	ug/kg	170	ND
Naphthalene	91-20-3	ug/kg	170	ND
Phenanthrene	85-01-8	ug/kg	340	361
Pyrene	129-00-0	ug/kg	170	343

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(ND => not detected above DL indicated)
(NEG => not detected)

BTEX1.FRX


John H. Buck, P.E.
Laboratory Director
ELAP ID 10795

BUCK ENVIRONMENTAL LABORATORIES INC.
ACCREDITED ENVIRONMENTAL ANALYSIS3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/10/99**Sample ID: SOIL BORING S-2****VOLATILES BY EPA 8260**

ANALYTE	CAS #	UNITS	DL	RESULTS
Benzene	71-43-2	ug/kg	5	ND
Bromobenzene	108-86-1	ug/kg	5	ND
Bromochloromethane	74-97-5	ug/kg	5	ND
Bromodichloromethane	75-27-4	ug/kg	5	ND
Bromoform	75-25-2	ug/kg	5	ND
Bromomethane	74-83-9	ug/kg	5	ND
n-Butylbenzene	104-51-8	ug/kg	10	ND
sec-Butylbenzene	135-98-8	ug/kg	5	ND
tert-Butylbenzene	98-06-6	ug/kg	5	ND
Carbontetrachloride	56-23-5	ug/kg	5	ND
Chlorobenzene	108-90-7	ug/kg	5	ND
Chloroethane	75-00-3	ug/kg	5	ND
Chloroform	67-66-3	ug/kg	10	ND
Chloromethane	74-87-3	ug/kg	5	ND
2-Chlorotoluene	95-49-8	ug/kg	10	ND
4-Chlorotoluene	106-43-4	ug/kg	5	ND
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	5	ND
Dibromochloromethane	124-48-1	ug/kg	25	ND
1,2-Dibromoethane	106-93-4	ug/kg	5	ND
Dibromomethane	74-95-3	ug/kg	5	ND
1,2-Dichlorobenzene	95-50-1	ug/kg	10	ND
1,3-Dichlorobenzene	541-73-1	ug/kg	5	ND
1,4-Dichlorobenzene	106-46-7	ug/kg	5	ND
Dichlorodifluoromethane	75-71-8	ug/kg	5	ND
1,1-Dichloroethane	75-34-3	ug/kg	5	ND
1,2-Dichloroethane	107-06-2	ug/kg	5	ND
1,1-Dichloroethene	75-35-4	ug/kg	5	ND
cis-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
trans-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
1,2-Dichloropropane	78-87-5	ug/kg	5	ND
1,3-Dichloropropane	142-28-9	ug/kg	5	ND
2,2-Dichloropropane	594-20-7	ug/kg	5	ND
1,1-Dichloropropene	563-58-6	ug/kg	5	ND
Ethylbenzene	100-41-1	ug/kg	5	ND
Hexachlorobutadiene	87-68-3	ug/kg	5	ND
Isopropylbenzene	98-82-8	ug/kg	5	ND
p-Isopropyltoluene	99-87-6	ug/kg	5	ND
Methylene chloride	75-09-2	ug/kg	5	ND
Naphthalene	91-20-3	ug/kg	5	ND
n-Propylbenzene	103-65-1	ug/kg	5	ND
Styrene	100-42-5	ug/kg	5	ND
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	5	ND
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	5	ND
Tetrachloroethene	127-18-4	ug/kg	5	ND
Toluene	108-88-3	ug/kg	5	ND
1,2,3-Trichlorobenzene	87-61-6	ug/kg	5	ND
1,2,4-Trichlorobenzene	120-82-1	ug/kg	5	ND
1,1,1-Trichloroethane	71-55-6	ug/kg	5	ND
1,1,2-Trichloroethane	79-00-5	ug/kg	5	ND
Trichloroethene	79-01-6	ug/kg	5	ND
Trichlorofluoromethane	75-69-4	ug/kg	5	ND
1,2,3-Trichloropropane	96-18-4	ug/kg	15	ND
1,2,4-Trimethylbenzene	95-63-6	ug/kg	5	ND
1,3,5-Trimethylbenzene	108-67-8	ug/kg	5	ND
Vinyl chloride	75-01-4	ug/kg	5	ND
xylene(m,o,&p)	1330-20-7	ug/kg	10	ND

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(NEG => not detected)
(DL => detection limit)
(ug/L => ppb in water)
(ug/kg => ppb solid)

8021L.FRX

John H. Buck, P.E.

Laboratory Director, ELAP ID 10795

**BUCK ENVIRONMENTAL
LABORATORIES INC.**3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report**
Lab Log No: 9905328Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99

Site: NOSS PARK

Sample ID: SOIL BORING S-2

ANALYTE	METHOD	ANALYZED	BY	UNITS	DL	RESULTS
Aluminum, total	200.7/6010	06/07/99	MB	ug/g	1	6340
Antimony, total	200.7/6010	06/07/99	MB	ug/g	1.1	7.77
Arsenic, total	200.7/6010	06/07/99	MB	ug/g	1	9.41
Barium, total	200.7/6010	06/07/99	MB	ug/g	1	157
Beryllium, total	200.7/6010	06/07/99	MB	ug/g	0.4	0.61
Cadmium, total	200.7/6010	06/07/99	MB	ug/g	0.1	ND
Calcium, total	200.7/6010	06/07/99	MB	ug/g	1	39700
Chromium, total	200.7/6010	06/07/99	MB	ug/g	1	153
Cobalt, total	200.7/6010	06/07/99	MB	ug/g	1	4.71
Copper, total	200.7/6010	06/07/99	MB	ug/g	1	86.4
Digest	3050	06/03/99	VP	DATE	0	complete
pH	9045	06/03/99	IES	Units	0.1	7.691
Iron, total	200.7/6010	06/07/99	MB	ug/g	1	46900
Lead, total	200.7/6010	06/07/99	MB	ug/g	1	394
Magnesium, total	200.7/6010	06/07/99	MB	ug/g	1	8690
Manganese, total	200.7/6010	06/07/99	MB	ug/g	1	5960
Mercury, total	245.1/7471	06/10/99	MB	ug/g	0.01	0.282
Nickel, total	200.7/6010	06/07/99	MB	ug/g	1	22.1
Potassium, total	200.7/6010	06/07/99	MB	ug/g	1	573
Selenium, total	200.7/6010	06/07/99	MB	ug/g	0.4	ND
Silver, total	200.7/6010	06/07/99	MB	ug/g	0.3	ND
Sodium, total	200.7/6010	06/07/99	MB	ug/g	13.7	ND
Thallium, total	200.7/6010	06/07/99	MB	ug/g	0.6	ND
Vanadium, total	200.7/6010	06/07/99	MB	ug/g	1	210
Zinc, total	200.7/6010	06/07/99	MB	ug/g	1	851

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(DL => detection limit)
(mg/L => ppm in water)
(ug/g => ppm in solid)

_LFILA.FRX


John H. Buck, P.E.
Laboratory Director

ELAP ID: 10795

**BUCK ENVIRONMENTAL
LABORATORIES INC.**
ACCREDITED ENVIRONMENTAL ANALYSIS3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99

Site: NOSS PARK

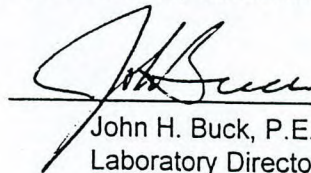
Sample ID: SOIL BORING S-3

ANALYTE	METHOD	ANALYZED	BY	UNITS	DL	RESULTS
Aluminum, total	200.7/6010	06/07/99	MB	ug/g	1	2310
Antimony, total	200.7/6010	06/07/99	MB	ug/g	1.1	ND
Arsenic, total	200.7/6010	06/07/99	MB	ug/g	1	6.08
Barium, total	200.7/6010	06/07/99	MB	ug/g	1	19.1
Beryllium, total	200.7/6010	06/07/99	MB	ug/g	0.5	0.56
Cadmium, total	200.7/6010	06/07/99	MB	ug/g	0.1	ND
Calcium, total	200.7/6010	06/07/99	MB	ug/g	1	2150
Chromium, total	200.7/6010	06/07/99	MB	ug/g	1	5.63
Cobalt, total	200.7/6010	06/07/99	MB	ug/g	1	4.61
Copper, total	200.7/6010	06/07/99	MB	ug/g	1	19.5
Digest	3050	06/03/99	VP	DATE	0	complete
pH	9045	06/03/99	IES	Units	0.1	7.434
Iron, total	200.7/6010	06/07/99	MB	ug/g	1	5150
Lead, total	200.7/6010	06/07/99	MB	ug/g	1	8.66
Magnesium, total	200.7/6010	06/07/99	MB	ug/g	1	295
Manganese, total	200.7/6010	06/07/99	MB	ug/g	1	40.4
Mercury, total	245.1/7471	06/10/99	MB	ug/g	0.01	ND
Nickel, total	200.7/6010	06/07/99	MB	ug/g	1	10.7
Potassium, total	200.7/6010	06/07/99	MB	ug/g	1	135
Selenium, total	200.7/6010	06/07/99	MB	ug/g	0.5	ND
Silver, total	200.7/6010	06/07/99	MB	ug/g	0.3	ND
Sodium, total	200.7/6010	06/07/99	MB	ug/g	15.1	ND
Thallium, total	200.7/6010	06/07/99	MB	ug/g	0.7	ND
Vanadium, total	200.7/6010	06/07/99	MB	ug/g	1	11.4
Zinc, total	200.7/6010	06/07/99	MB	ug/g	1	168

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(mg/L => ppm in water)
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LFILLA.FRX


John H. Buck, P.E.
Laboratory Director

ELAP ID: 10795

BUCK ENVIRONMENTAL
LABORATORIES INC.
ACCREDITED ENVIRONMENTAL ANALYSIS3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report**

Lab Log No: 9905328

Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/10/99

Sample ID: SOIL BORING S-3

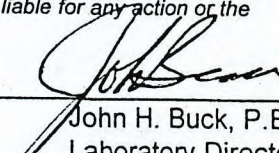
VOLATILES BY EPA 8260

ANALYTE	CAS #	UNITS	DL	RESULTS
Benzene	71-43-2	ug/kg	5	ND
Bromobenzene	108-86-1	ug/kg	5	ND
Bromochloromethane	74-97-5	ug/kg	5	ND
Bromodichloromethane	75-27-4	ug/kg	5	ND
Bromoform	75-25-2	ug/kg	5	ND
Bromomethane	74-83-9	ug/kg	5	ND
n-Butylbenzene	104-51-8	ug/kg	10	ND
sec-Butylbenzene	135-98-8	ug/kg	5	ND
tert-Butylbenzene	98-06-6	ug/kg	5	ND
Carbontetrachloride	56-23-5	ug/kg	5	ND
Chlorobenzene	108-90-7	ug/kg	5	ND
Chloroethane	75-00-3	ug/kg	5	ND
Chloroform	67-66-3	ug/kg	10	ND
Chloromethane	74-87-3	ug/kg	5	ND
2-Chlorotoluene	95-49-8	ug/kg	10	ND
4-Chlorotoluene	106-43-4	ug/kg	5	ND
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	5	ND
Dibromochloromethane	124-48-1	ug/kg	25	ND
1,2-Dibromoethane	106-93-4	ug/kg	5	ND
Dibromomethane	74-95-3	ug/kg	5	ND
1,2-Dichlorobenzene	95-50-1	ug/kg	10	ND
1,3-Dichlorobenzene	541-73-1	ug/kg	5	ND
1,4-Dichlorobenzene	106-46-7	ug/kg	5	ND
Dichlorodifluoromethane	75-71-8	ug/kg	5	ND
1,1-Dichloroethane	75-34-3	ug/kg	5	ND
1,2-Dichloroethane	107-06-2	ug/kg	5	ND
1,1-Dichloroethene	75-35-4	ug/kg	5	ND
cis-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
trans-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
1,2-Dichloropropane	78-87-5	ug/kg	5	ND
1,3-Dichloropropane	142-28-9	ug/kg	5	ND
2,2-Dichloropropane	594-20-7	ug/kg	5	ND
1,1-Dichloropropene	563-58-6	ug/kg	5	ND
Ethylbenzene	100-41-1	ug/kg	5	ND
Hexachlorobutadiene	87-68-3	ug/kg	5	ND
Isopropylbenzene	98-82-8	ug/kg	5	ND
p-Isopropyltoluene	99-87-6	ug/kg	5	ND
Methylene chloride	75-09-2	ug/kg	5	ND
Naphthalene	91-20-3	ug/kg	5	ND
n-Propylbenzene	103-65-1	ug/kg	5	ND
Styrene	100-42-5	ug/kg	5	ND
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	5	ND
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	5	ND
Tetrachloroethene	127-18-4	ug/kg	5	ND
Toluene	108-88-3	ug/kg	5	ND
1,2,3-Trichlorobenzene	87-61-6	ug/kg	5	ND
1,2,4-Trichlorobenzene	120-82-1	ug/kg	5	ND
1,1,1-Trichloroethane	71-55-6	ug/kg	5	ND
1,1,2-Trichloroethane	79-00-5	ug/kg	5	ND
Trichloroethene	79-01-6	ug/kg	5	ND
Trichlorofluoromethane	75-69-4	ug/kg	5	ND
1,2,3-Trichloropropane	96-18-4	ug/kg	15	ND
1,2,4-Trimethylbenzene	95-63-6	ug/kg	5	ND
1,3,5-Trimethylbenzene	108-67-8	ug/kg	5	ND
Vinyl chloride	75-01-4	ug/kg	10	ND
xylene(m,o,&p)	1330-20-7	ug/kg	5	ND

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(ug/L => ppb in water)
(ug/kg => ppb solid)

8021L FRX


John H. Buck, P.E.
Laboratory Director, ELAP ID 10795

**BUCK ENVIRONMENTAL
LABORATORIES, INC.**
ACCREDITED ENVIRONMENTAL ANALYSIS3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report**
Lab Log No: 9905328Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

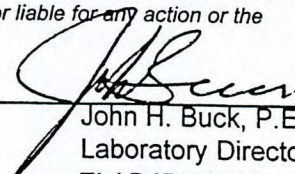
Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: JK
Analyzed: 06/11/99**Sample ID: SOIL BORING S-3****PCB IN SOLIDS**

ANALYTE	CAS #	UNITS	DL	RESULTS
Aroclor 1016	12674-11-2	ug/g	0.05	ND
Aroclor 1221	11104-28-2	ug/g	0.05	ND
Aroclor 1232	11141-16-5	ug/g	0.05	ND
Aroclor 1242	53469-21-9	ug/g	0.05	ND
Aroclor 1248	12672-29-6	ug/g	0.05	ND
Aroclor 1254	11097-69-1	ug/g	0.05	ND
Aroclor 1260	11096-82-5	ug/g	0.05	ND

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BTEX1.FRX


John H. Buck, P.E.
Laboratory Director
ELAP ID 10795

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LABORATORIES INC.**
ACCREDITED ENVIRONMENTAL ANALYSIS3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report**
Lab Log No: 9905328Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/18/99

Sample ID: SOIL BORING S-3

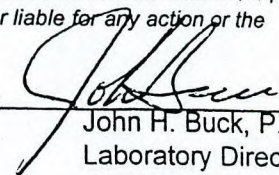
PAH'S BY EPA 8270

ANALYTE	CAS #	UNITS	DL	RESULTS
Acenaphthene	83-32-9	ug/kg	170	ND
Acenaphthylene	208-96-8	ug/kg	170	ND
Anthracene	120-12-7	ug/kg	170	ND
Benzo(a)anthracene	56-55-3	ug/kg	340	ND
Benzo(a)pyrene	50-32-8	ug/kg	170	ND
Benzo(b)fluoranthene	205-99-2	ug/kg	170	ND
Benzo(ghi)perylene	191-24-2	ug/kg	170	ND
Benzo(k)fluoranthene	207-08-9	ug/kg	170	ND
Chrysene	218-01-9	ug/kg	170	ND
Dibenzo(a,h)anthracene	53-70-3	ug/kg	170	ND
Fluoranthene	206-44-0	ug/kg	170	ND
Fluorene	86-73-7	ug/kg	170	ND
Indeno(1,2,3-c,d)pyrene	193-39-5	ug/kg	170	ND
Naphthalene	91-20-3	ug/kg	170	ND
Phenanthrene	85-01-8	ug/kg	340	ND
Pyrene	129-00-0	ug/kg	170	ND

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607-753-3403**Laboratory Report
Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99

Site: NOSS PARK

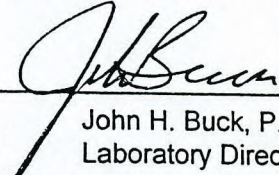
Sample ID: SOIL BORING S-4

ANALYTE	METHOD	ANALYZED	BY	UNITS	DL	RESULTS
Aluminum, total	200.7/6010	06/07/99	MB	ug/g	1	13200
Antimony, total	200.7/6010	06/07/99	MB	ug/g	1.2	ND
Arsenic, total	200.7/6010	06/07/99	MB	ug/g	1	7.84
Barium, total	200.7/6010	06/07/99	MB	ug/g	1	105
Beryllium, total	200.7/6010	06/07/99	MB	ug/g	0.5	0.7
Cadmium, total	200.7/6010	06/07/99	MB	ug/g	0.1	11.2
Calcium, total	200.7/6010	06/07/99	MB	ug/g	1	3940
Chromium, total	200.7/6010	06/07/99	MB	ug/g	1	23.2
Cobalt, total	200.7/6010	06/07/99	MB	ug/g	1	7.49
Copper, total	200.7/6010	06/07/99	MB	ug/g	1	129
Digest	3050	06/03/99	VP	DATE	0	complete
pH	9045	06/03/99	IES	Units	0.1	7.038
Iron, total	200.7/6010	06/07/99	MB	ug/g	1	25900
Lead, total	200.7/6010	06/07/99	MB	ug/g	1	694
Magnesium, total	200.7/6010	06/07/99	MB	ug/g	1	3170
Manganese, total	200.7/6010	06/07/99	MB	ug/g	1	760
Mercury, total	245.1/7471	06/10/99	MB	ug/g	0.01	0.305
Nickel, total	200.7/6010	06/07/99	MB	ug/g	1	66
Potassium, total	200.7/6010	06/07/99	MB	ug/g	1	694
Selenium, total	200.7/6010	06/07/99	MB	ug/g	0.5	ND
Silver, total	200.7/6010	06/07/99	MB	ug/g	0.4	ND
Sodium, total	200.7/6010	06/07/99	MB	ug/g	15.7	1980
Thallium, total	200.7/6010	06/07/99	MB	ug/g	0.7	ND
Vanadium, total	200.7/6010	06/07/99	MB	ug/g	1	21.1
Zinc, total	200.7/6010	06/07/99	MB	ug/g	1	8970

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(DL => detection limit)
(mg/L => ppm in water)
(ug/g => ppm in solid)

_LFILLA.FRX


John H. Buck, P.E.
Laboratory Director
ELAP ID: 10795

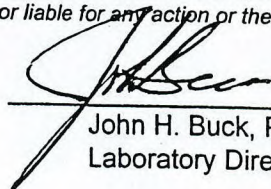
**BUCK ENVIRONMENTAL
LABORATORIES INC.**
ACCREDITED ENVIRONMENTAL ANALYSIS3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**Client: **MACNEILL-TAGG ENGINEERS**
PO BOX 320
HOMER NY 13077-Site: **NOSS PARK**Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/10/99**Sample ID: SOIL BORING S-4****VOLATILES BY EPA 8260**

ANALYTE	CAS #	UNITS	DL	RESULTS
Benzene	71-43-2	ug/kg	5	ND
Bromobenzene	108-86-1	ug/kg	5	ND
Bromochloromethane	74-97-5	ug/kg	5	ND
Bromodichloromethane	75-27-4	ug/kg	5	ND
Bromoform	75-25-2	ug/kg	5	ND
Bromomethane	74-83-9	ug/kg	10	ND
n-Butylbenzene	104-51-8	ug/kg	5	ND
sec-Butylbenzene	135-98-8	ug/kg	5	ND
tert-Butylbenzene	98-06-6	ug/kg	5	ND
Carbon tetrachloride	56-23-5	ug/kg	5	ND
Chlorobenzene	108-90-7	ug/kg	5	ND
Chloroethane	75-00-3	ug/kg	10	ND
Chloroform	67-66-3	ug/kg	5	ND
Chloromethane	74-87-3	ug/kg	10	ND
2-Chlorotoluene	95-49-8	ug/kg	5	ND
4-Chlorotoluene	106-43-4	ug/kg	5	ND
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	25	ND
Dibromochloromethane	124-48-1	ug/kg	5	ND
1,2-Dibromoethane	106-93-4	ug/kg	5	ND
Dibromomethane	74-95-3	ug/kg	10	ND
1,2-Dichlorobenzene	95-50-1	ug/kg	5	ND
1,3-Dichlorobenzene	541-73-1	ug/kg	5	ND
1,4-Dichlorobenzene	106-46-7	ug/kg	5	ND
Dichlorodifluoromethane	75-71-8	ug/kg	5	ND
1,1-Dichloroethane	75-34-3	ug/kg	5	ND
1,2-Dichloroethane	107-06-2	ug/kg	5	ND
1,1-Dichloroethene	75-35-4	ug/kg	5	ND
cis-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
trans-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
1,2-Dichloropropane	78-87-5	ug/kg	5	ND
1,3-Dichloropropane	142-28-9	ug/kg	5	ND
2,2-Dichloropropane	594-20-7	ug/kg	5	ND
1,1-Dichloropropene	563-58-6	ug/kg	5	ND
Ethylbenzene	100-41-1	ug/kg	5	ND
Hexachlorobutadiene	87-68-3	ug/kg	5	ND
Isopropylbenzene	98-82-8	ug/kg	5	ND
p-Isopropyltoluene	99-87-6	ug/kg	5	ND
Methylene chloride	75-09-2	ug/kg	5	ND
Naphthalene	91-20-3	ug/kg	5	ND
n-Propylbenzene	103-65-1	ug/kg	5	ND
Styrene	100-42-5	ug/kg	5	ND
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	5	ND
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	5	ND
Tetrachloroethene	127-18-4	ug/kg	5	ND
Toluene	108-88-3	ug/kg	5	ND
1,2,3-Trichlorobenzene	87-61-6	ug/kg	5	ND
1,2,4-Trichlorobenzene	120-82-1	ug/kg	5	ND
1,1,1-Trichloroethane	71-55-6	ug/kg	5	ND
1,1,2-Trichloroethane	79-00-5	ug/kg	5	ND
Trichloroethene	79-01-6	ug/kg	5	ND
Trichlorofluoromethane	75-69-4	ug/kg	5	ND
1,2,3-Trichloropropane	96-18-4	ug/kg	15	ND
1,2,4-Trimethylbenzene	95-63-6	ug/kg	5	ND
1,3,5-Trimethylbenzene	108-67-8	ug/kg	5	ND
Vinyl chloride	75-01-4	ug/kg	10	ND
xylene(m,o,&p)	1330-20-7	ug/kg	5	ND

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(ug/L => ppb in water)
(ug/kg => ppb solid)

8021L FRX

John H. Buck, P.E.
Laboratory Director, ELAP ID 10795

BUCK ENVIRONMENTAL

LABORATORIES, INC.

3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**

Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: JK
Analyzed: 06/11/99

Sample ID: SOIL BORING S-4**PCB IN SOLIDS**

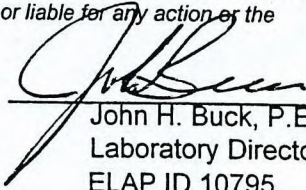
ANALYTE	CAS #	UNITS	DL	RESULTS
Aroclor 1016	12674-11-2	ug/g	0.05	ND
Aroclor 1221	11104-28-2	ug/g	0.05	ND
Aroclor 1232	11141-16-5	ug/g	0.05	ND
Aroclor 1242	53469-21-9	ug/g	0.05	ND
Aroclor 1248	12672-29-6	ug/g	0.05	ND
Aroclor 1254	11097-69-1	ug/g	0.05	ND
Aroclor 1260	11096-82-5	ug/g	0.05	ND

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BTEX1.FRX


John H. Buck, P.E.
Laboratory Director
ELAP ID 10795

**BUCK ENVIRONMENTAL
LABORATORIES INC.**
ACCREDITED ENVIRONMENTAL ANALYSIS3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report**
Lab Log No: 9905328Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/16/99

Sample ID: SOIL BORING S-4

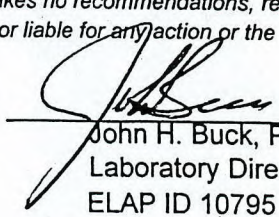
PAH'S BY EPA 8270

ANALYTE	CAS #	UNITS	DL	RESULTS
Acenaphthene	83-32-9	ug/kg	170	ND
Acenaphthylene	208-96-8	ug/kg	170	ND
Anthracene	120-12-7	ug/kg	170	ND
Benzo(a)anthracene	56-55-3	ug/kg	340	ND
Benzo(a)pyrene	50-32-8	ug/kg	170	ND
Benzo(b)fluoranthene	205-99-2	ug/kg	170	ND
Benzo(ghi)perylene	191-24-2	ug/kg	170	ND
Benzo(k)fluoranthene	207-08-9	ug/kg	170	ND
Chrysene	218-01-9	ug/kg	170	ND
Dibenzo(a,h)anthracene	53-70-3	ug/kg	170	ND
Fluoranthene	206-44-0	ug/kg	170	ND
Fluorene	86-73-7	ug/kg	170	ND
Indeno(1,2,3-c,d)pyrene	193-39-5	ug/kg	170	ND
Naphthalene	91-20-3	ug/kg	170	ND
Phenanthrene	85-01-8	ug/kg	340	ND
Pyrene	129-00-0	ug/kg	170	ND

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BTX1.FRX


John H. Buck, P.E.
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LABORATORIES INC.**3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-Report Date: 06/21/99
Sampling Date: 05/28/99
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Date Received: 05/28/99

Site: NOSS PARK

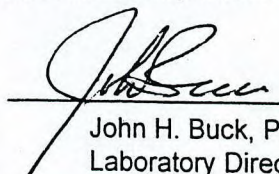
Sample ID: SOIL BORING S-5

ANALYTE	METHOD	ANALYZED	BY	UNITS	DL	RESULTS
Aluminum, total	200.7/6010	06/07/99	MB	ug/g	1	6740
Antimony, total	200.7/6010	06/07/99	MB	ug/g	1.1	1.63
Arsenic, total	200.7/6010	06/07/99	MB	ug/g	1	6.41
Barium, total	200.7/6010	06/07/99	MB	ug/g	1	67.5
Beryllium, total	200.7/6010	06/07/99	MB	ug/g	0.4	0.43
Cadmium, total	200.7/6010	06/07/99	MB	ug/g	0.1	0.43
Calcium, total	200.7/6010	06/07/99	MB	ug/g	1	6830
Chromium, total	200.7/6010	06/07/99	MB	ug/g	1	37.8
Cobalt, total	200.7/6010	06/07/99	MB	ug/g	1	6.09
Copper, total	200.7/6010	06/07/99	MB	ug/g	1	51.2
Digest	3050	06/03/99	VP	DATE	0	complete
pH	9045	06/03/99	IES	Units	0.1	7.205
Iron, total	200.7/6010	06/07/99	MB	ug/g	1	17000
Lead, total	200.7/6010	06/07/99	MB	ug/g	1	130
Magnesium, total	200.7/6010	06/07/99	MB	ug/g	1	2260
Manganese, total	200.7/6010	06/07/99	MB	ug/g	1	981
Mercury, total	245.1/7471	06/10/99	MB	ug/g	0.01	0.488
Nickel, total	200.7/6010	06/07/99	MB	ug/g	1	18.6
Potassium, total	200.7/6010	06/07/99	MB	ug/g	1	298
Selenium, total	200.7/6010	06/07/99	MB	ug/g	0.4	ND
Silver, total	200.7/6010	06/07/99	MB	ug/g	0.3	ND
Sodium, total	200.7/6010	06/07/99	MB	ug/g	14.6	110
Thallium, total	200.7/6010	06/07/99	MB	ug/g	0.7	ND
Vanadium, total	200.7/6010	06/07/99	MB	ug/g	1	55.5
Zinc, total	200.7/6010	06/07/99	MB	ug/g	1	959

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_LFILLA.FRX


John H. Buck, P.E.
Laboratory Director

ELAP ID: 10795

**BUCK ENVIRONMENTAL
LABORATORIES INC.**
ACCREDITED ENVIRONMENTAL ANALYSIS3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report**
Lab Log No: 9905328Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/11/99

Sample ID: SOIL BORING S-5

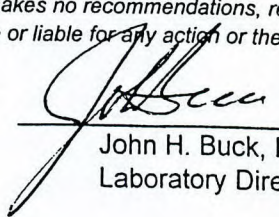
VOLATILES BY EPA 8260

ANALYTE	CAS #	UNITS	DL	RESULTS
Benzene	71-43-2	ug/kg	5	ND
Bromobenzene	108-86-1	ug/kg	5	ND
Bromochloromethane	74-97-5	ug/kg	5	ND
Bromodichloromethane	75-27-4	ug/kg	5	ND
Bromoform	75-25-2	ug/kg	5	ND
Bromomethane	74-83-9	ug/kg	10	ND
n-Butylbenzene	104-51-8	ug/kg	5	ND
sec-Butylbenzene	135-98-8	ug/kg	5	ND
tert-Butylbenzene	98-06-6	ug/kg	5	ND
Carbontetrachloride	56-23-5	ug/kg	5	ND
Chlorobenzene	108-90-7	ug/kg	5	ND
Chloroethane	75-00-3	ug/kg	10	ND
Chloroform	67-66-3	ug/kg	5	ND
Chloromethane	74-87-3	ug/kg	10	ND
2-Chlorotoluene	95-49-8	ug/kg	5	ND
4-Chlorotoluene	106-43-4	ug/kg	5	ND
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	25	ND
Dibromochloromethane	124-48-1	ug/kg	5	ND
1,2-Dibromoethane	106-93-4	ug/kg	5	ND
Dibromomethane	74-95-3	ug/kg	10	ND
1,2-Dichlorobenzene	95-50-1	ug/kg	5	ND
1,3-Dichlorobenzene	541-73-1	ug/kg	5	ND
1,4-Dichlorobenzene	106-46-7	ug/kg	5	ND
Dichlorodifluoromethane	75-71-8	ug/kg	5	ND
1,1-Dichloroethane	75-34-3	ug/kg	5	ND
1,2-Dichloroethane	107-06-2	ug/kg	5	ND
1,1-Dichloroethene	75-35-4	ug/kg	5	ND
cis-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
trans-1,2-Dichloroethene	156-60-5	ug/kg	5	ND
1,2-Dichloropropane	78-87-5	ug/kg	5	ND
1,3-Dichloropropane	142-28-9	ug/kg	5	ND
2,2-Dichloropropane	594-20-7	ug/kg	5	ND
1,1-Dichloropropene	563-58-6	ug/kg	5	ND
Ethylbenzene	100-41-1	ug/kg	5	ND
Hexachlorobutadiene	87-68-3	ug/kg	5	ND
Isopropylbenzene	98-82-8	ug/kg	5	ND
p-Isopropyltoluene	99-87-6	ug/kg	5	ND
Methylene chloride	75-09-2	ug/kg	5	ND
Naphthalene	91-20-3	ug/kg	5	ND
n-Propylbenzene	103-65-1	ug/kg	5	ND
Styrene	100-42-5	ug/kg	5	ND
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	5	ND
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	5	ND
Tetrachloroethene	127-18-4	ug/kg	5	ND
Toluene	108-88-3	ug/kg	5	ND
1,2,3-Trichlorobenzene	87-61-6	ug/kg	5	ND
1,2,4-Trichlorobenzene	120-82-1	ug/kg	5	ND
1,1,1-Trichloroethane	71-55-6	ug/kg	5	ND
1,1,2-Trichloroethane	79-00-5	ug/kg	5	ND
Trichloroethene	79-01-6	ug/kg	5	ND
Trichlorofluoromethane	75-69-4	ug/kg	5	ND
1,2,3-Trichloropropane	96-18-4	ug/kg	15	ND
1,2,4-Trimethylbenzene	95-63-6	ug/kg	5	ND
1,3,5-Trimethylbenzene	108-67-8	ug/kg	5	ND
Vinyl chloride	75-01-4	ug/kg	10	ND
xylene(m,o,&p)	1330-20-7	ug/kg	5	ND

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(ug/kg => ppb solid)

8021L.FRX


John H. Buck, P.E.
Laboratory Director, ELAP ID 10795

BUCK ENVIRONMENTAL

LABORATORIES, INC.

3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**

Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: JK
Analyzed: 06/11/99

Sample ID: SOIL BORING S-5**PCB IN SOLIDS**

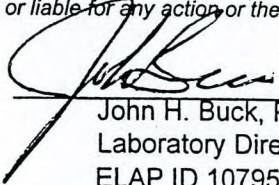
ANALYTE	CAS #	UNITS	DL	RESULTS
Aroclor 1016	12674-11-2	ug/g	0.05	ND
Aroclor 1221	11104-28-2	ug/g	0.05	ND
Aroclor 1232	11141-16-5	ug/g	0.05	ND
Aroclor 1242	53469-21-9	ug/g	0.05	ND
Aroclor 1248	12672-29-6	ug/g	0.05	ND
Aroclor 1254	11097-69-1	ug/g	0.05	ND
Aroclor 1260	11096-82-5	ug/g	0.05	ND

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BTX1.FRX


John H. Buck, P.E.
Laboratory Director
ELAP ID 10795

BUCK ENVIRONMENTALLABORATORIES, INC.
ACCREDITED ENVIRONMENTAL ANALYSIS3845 ROUTE 11 SOUTH,
CORTLAND, N.Y. 13045P.O. BOX 5150
607-753-3403**Laboratory Report****Lab Log No: 9905328**Client: MACNEILL-TAGG ENGINEERS
PO BOX 320
HOMER NY 13077-

Site: NOSS PARK

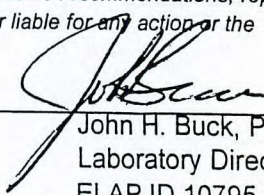
Report Date: 06/21/99
Sampling Date: 05/28/99
Sampled By: ERIC MONSEN
Date Received: 05/28/99
Analyzed By: PAI
Analyzed: 06/16/99**Sample ID: SOIL BORING S-5****PAH'S BY EPA 8270**

ANALYTE	CAS #	UNITS	DL	RESULTS
Acenaphthene	83-32-9	ug/kg	170	ND
Acenaphthylene	208-96-8	ug/kg	170	ND
Anthracene	120-12-7	ug/kg	170	ND
Benzo(a)anthracene	56-55-3	ug/kg	340	ND
Benzo(a)pyrene	50-32-8	ug/kg	170	ND
Benzo(b)fluoranthene	205-99-2	ug/kg	170	ND
Benzo(ghi)perylene	191-24-2	ug/kg	170	ND
Benzo(k)fluoranthene	207-08-9	ug/kg	170	ND
Chrysene	218-01-9	ug/kg	170	ND
Dibenzo(a,h)anthracene	53-70-3	ug/kg	170	ND
Fluoranthene	206-44-0	ug/kg	170	ND
Fluorene	86-73-7	ug/kg	170	ND
Indeno(1,2,3-c,d)pyrene	193-39-5	ug/kg	170	ND
Naphthalene	91-20-3	ug/kg	170	ND
Phenanthrene	85-01-8	ug/kg	340	ND
Pyrene	129-00-0	ug/kg	170	ND

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BTX1.FRX


John H. Buck, P.E.
Laboratory Director
ELAP ID 10795

**BUCK**

ENVIRONMENTAL LABORATORIES, INC.

June 22, 1999

Mr. Mark Verbanic
MacNeill-Tagg Engineers
PO Box 320
Homer, NY 13077

Re: Soil Borings - Noss Park, Cortland, New York.

Dear Mr. Verbanic:

This correspondence will report our observations during the collection of soil samples from soil borings from Noss Park.

Soil Boring Activity: Soil borings were obtained from split-spoon samples extracted by Geoprobe. Soil boring activities were conducted on May 28, 1999 by Northstar Drilling of Cortland, New York. Mr. Eric Monsen of Buck Environmental Laboratories was on site during the soil boring activities to observe the soil boring activities, screen soils with a photoionization detector (PID) for volatile organic compounds, and to collect samples for laboratory analysis. Soil borings were conducted at six (6) locations on the property and each boring was 10 feet in depth. Samples were collected for the following analysis:

- PCB's (EPA 8082)
- Volatile organic compounds (EPA 8260)
- PAH's (EPA 8270)
- TAL Metals (EPA200.7)
- pH

The following is a summary of observations made during the soil boring and sampling activities:

Soil Boring S-1: This sample was collected at 1:45pm on May 28, 1999. Soils encountered during the borehole event consisted of top soil from the surface to the 0.5' depth, brown/white ash from 0.5' to 4', brown silty sand with some gravel from 4' to 6.75', black ash from 6.75' to 7', and gravel with sand from 7' to 10'. No odors were observed on the soils from this boring. Samples were collected from the following depths in the borehole:

- PCB: Grab sample from 2-3" depth (top soil)
- 8260: Grab sample from 9-10' depth (No VOC's detected on PID meter)
- PAH/Metals/pH: Composite sample of black/brown/white ash from the 6" to 4' depth and 6.75' to 7' depth.

ROUTE TO

☒ DJT DJT
☐ TOR _____
☐ RCD _____
☒ MPV MPV
☐ CJB _____
☐ SLN _____
☐ DJM _____
☐ SPA _____

Reference # 991016Date 6-22-99

Noss Park Narrative (Con't)

Soil Boring S-2: This sample was collected at 1:15pm on May 28, 1999. Soils encountered during the borehole event consisted of top soil from the surface to the 0.5' depth, red brick from 0.5' to 1', black ash from 1' to 3.5', brown silty sand with some gravel from 3.5' to 7', and gravel with sand from 7' to 10'. No odors were observed on the soils from this boring. Samples were collected from the following depths in the borehole:

- PCB: Grab sample from 2-3" depth (top soil)
- 8260: Grab sample from 9-10' depth (No VOC's detected on PID meter)
- PAH/Metals/pH: Composite sample of black ash from the 1' to 3.5' depth.

Soil Boring S-3: This sample was collected at 11:30am on May 28, 1999. Soils encountered during the borehole event consisted of top soil from the surface to the 3" depth, black ash from 3" to 2', brown sandy ash from 2' to 5', brown sand from 5' to 7', black ash from 7' to 7.5', and gravel with sand from 7.5' to 10'. No odors were observed on the soils from this boring. Samples were collected from the following depths in the borehole:

- PCB: Grab sample from 2-3" depth (top soil)
- 8260: Grab sample from 9-10' depth (No VOC's detected on PID meter)
- PAH/Metals/pH: Composite sample of black ash from the 3" to 2' depth, 2' to 5' depth, and 7 to 7.5' depth.

Soil Boring S-4: This sample was collected at 10:00 am on May 28, 1999. Soils encountered during the borehole event consisted of top soil from the surface to the 0.5' depth, Course gravel from 6" to 2', brown backfilled soil with red brick from 2' to 4', brown sand with some gravel from 4' to 10'. A PID reading of 5ppm was measured on soils from the 7' depth, however no odors were detected on soils from this borehole. Samples were collected from the following depths in the borehole:

- PCB: Grab sample from 2-3" depth (top soil)
- 8260: Grab sample from 7' depth (5 ppm PID reading)
- PAH/Metals/pH: Composite sample of brown sand/gravel from all of the split spoons.

Soil Boring S-5: This sample was collected at 10:45 am on May 28, 1999. Soils encountered during the borehole event consisted of top soil from the surface to the 0.5' depth, black ash from 6" to 3', brown sand from 3' to 4', brown sand from 4' to 5', black ash from 5' to 5.5', brown sand from 5.5' to 7', and brown sand and gravel from 7' to 10'. No odors were observed on the soils from this boring. Samples were collected from the following depths in the borehole:

- PCB: Grab sample from 2-3" depth (top soil)
- 8260: Grab sample from 9-10' depth (No VOC's detected on PID meter)
- PAH/Metals/pH: Composite sample of black ash from the 6" to 3' depth and 5' depth.

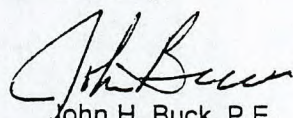
Noss Park Narrative (Con't)

Soil Boring S-6: This sample was collected at 12:45 pm on May 28, 1999. Soils encountered during the borehole event consisted of top soil from the surface to the 0.5' depth, black ash from 0.5' to 4', white ash from 4' to 5', brown silty sand with some gravel from 5' to 7', black ash from 7.5' to 8', and gravel with sand from 8' to 10'. No odors were observed on the soils from this boring. Samples were collected from the following depths in the borehole:

- PCB: Grab sample from 2-3" depth (top soil)
- 8260: Grab sample from 9-10' depth (No VOC's detected on PID meter)
- PAH/Metals/pH: Composite sample of black/white ash from the 6" to 5' depth and 7.5' to 8' depth.

Thank you for the opportunity to provide these services.

Sincerely,


John H. Buck, P.E.
Laboratory Director

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