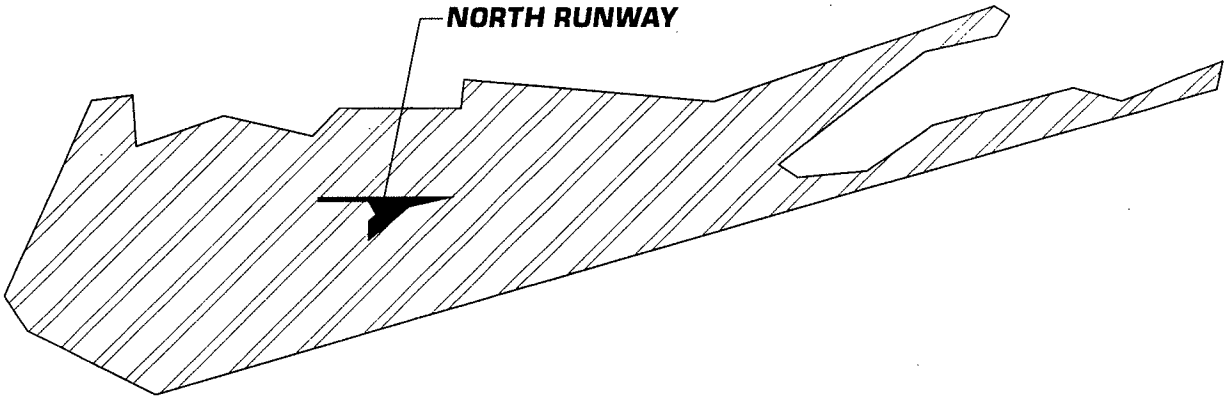
2C-3

GRUMMAN AEROSPACE CORPORATION
BETHPAGE FACILITY



PHASE I SITE ASSESSMENT
NORTH RUNWAY

GRUMMAN AEROSPACE CORPORATION
BETHPAGE, NEW YORK

Dvirka and Bartilucci
Consulting Engineers

APRIL 1996

Dvirka and Bartilucci
CONSULTING ENGINEERS

330 Crossways Park Drive, Woodbury, New York, 11797-2015
516-364-9890 ▪ 718-460-3634 ▪ Fax: 516-364-9045

May 3, 1996

John Ohlmann, P.E.
Consultant for
Grumman Aerospace Corporation
Mail Stop: D08-001
Bethpage, NY 11714-3582

Re: Phase I Site Assessment
North Runway
Bethpage, NY
D&B No. 1167-PP

Dear Mr. Ohlmann:

Please find enclosed six (6) copies of the *revised* document entitled,

"Phase I Site Assessment
North Runway
Bethpage, New York"

Figures 2-1 and 2-2 were inadvertently omitted from the reports transmitted on April 10, 1996. Please replace the previously transmitted copies with the enclosed copies of the *revised* document. We apologize for any inconvenience this may have caused.

If you have any questions and/or comments, please do not hesitate to contact Mr. Richard Russell or me at (516) 364-9890.

Very truly yours,

Richard M. Walka
Vice President

RMW/CW/ mb
cc: A. Postyn (GAC)
R. Russell (D&B)
♦1167/RMW96-157.LTR

J. OHLMANN
MAY 6 1996

GRUMMAN AEROSPACE CORPORATION

PHASE I SITE ASSESSMENT

NORTH RUNWAY
BETHPAGE, NEW YORK

PREPARED BY

DVIRKA AND BARTILUCCI
CONSULTING ENGINEERS
WOODBURY, NEW YORK

APRIL 1996

GRUMMAN AEROSPACE CORPORATION
PHASE I SITE ASSESSMENT
NORTH RUNWAY
BETHPAGE, NEW YORK

TABLE OF CONTENTS

List of Appendices

List of Figures

List of Tables

Section 1

1.0 INTRODUCTION

This document presents the findings of a Phase I Site Assessment undertaken for the Grumman Aerospace Corporation (GAC) property known as the "North Runway," located east of the South Oyster Bay Road Extension and west and south of the Long Island Rail Road (LIRR) tracks, in Bethpage, New York. Information presented in this report has been compiled based upon site inspections; an evaluation of reasonably obtainable record sources; and interviews with representatives of GAC. This Phase I Site Assessment also supplements a prior assessment undertaken in support of the February 1993 "New York State Site Registry Delisting Petition Site 6 (Runway)" (which includes the North Runway) in an effort to meet the applicable requirements of the American Society for Testing and Materials (ASTM) Standard E1527-94 entitled, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process."

In response to the Site 6 (Runway) Delisting Petition, the New York State Department of Environmental Conservation removed the North Runway parcel from the Registry of Inactive Hazardous Waste Disposal Sites in New York State (see Appendix A) on September 30, 1994.

Section 2 of this document presents a description of the site and surrounding areas. An evaluation of the historical uses of the site and surrounding areas is presented in Section 3. The regulatory compliance history of the site and surrounding areas is presented in Section 4. Section 5 presents the findings of the Phase I Site Assessment and identifies potential areas of environmental concern. Recommendations are provided in Section 6.

In an effort to document the review of historical information sources, aerial photographs dated 1950 through 1988 are presented in Appendix B. To document the review of standard environmental record sources, a computer environmental data base search is presented in Appendix C. Supplemental information documenting the review of available files is presented in Appendix D. Documentation certifying that a search for Sanborn (fire insurance) Maps was undertaken for the North Runway site and that none are available is provided by Sanborn Mapping

and Geographic Information Service in Appendix E. References are listed in Appendix F. The Site 6 (Runway) Delisting Petition is provided in Appendix G.

Section 2

2.0 SITE DESCRIPTION

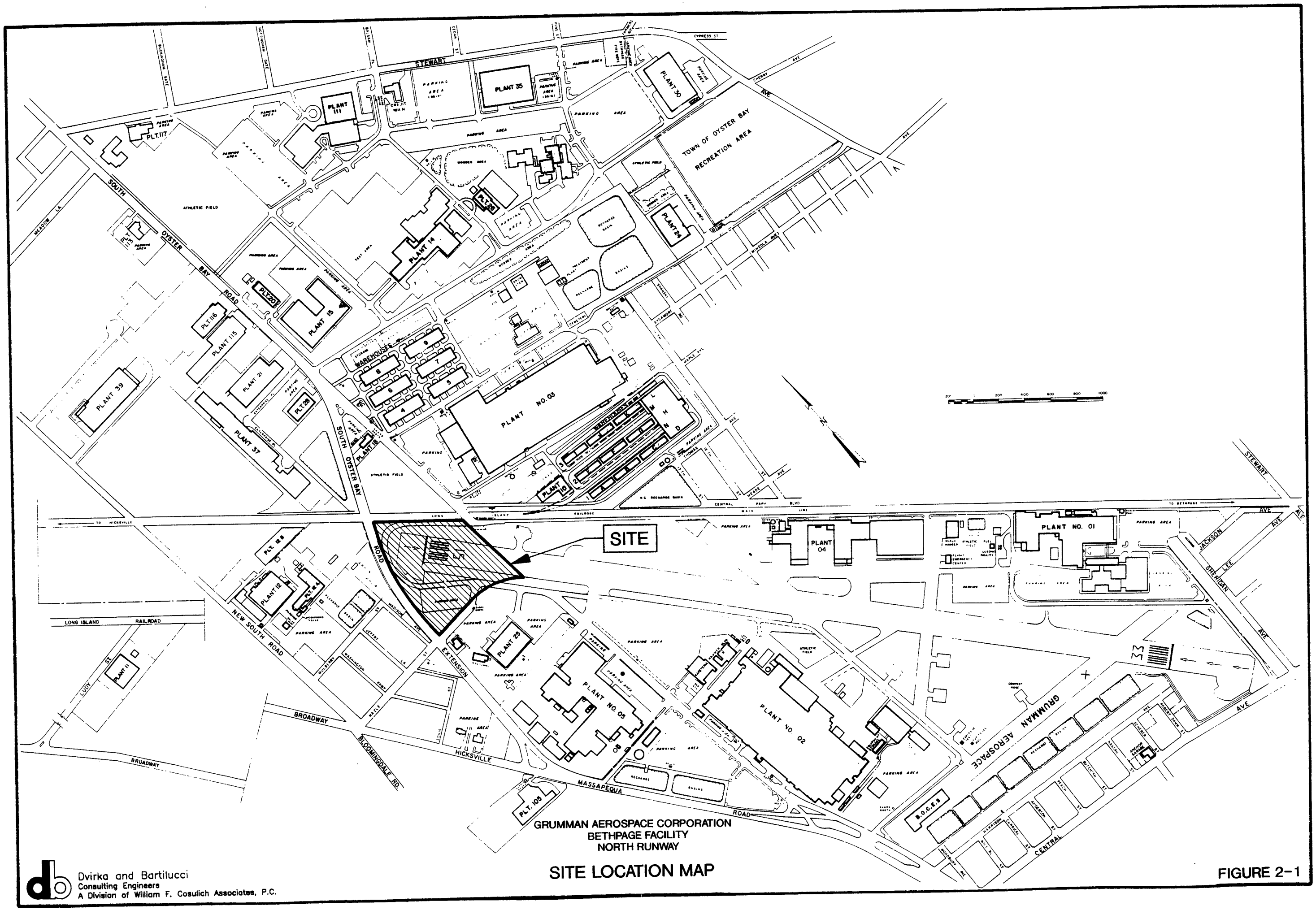
This section presents an overview of the general environmental setting of the property and describes the observations made during the March 7, 1996 and March 15, 1996 site inspections.

2.1 Site Setting

The North Runway site is located to the east of the South Oyster Bay Road Extension, immediately west and south of the LIRR tracks in Bethpage, New York. A location map is presented on Figure 2-1. The site is approximately 13.25 acres (current Tax ID No.: Section 46, Block 323, Lots 78A, 78B, 79, 80, 81, 82, 84A, 84B, 85, 86, 87 and parts of Lots 83 and 223) and is currently owned by Grumman Aerospace Corporation (GAC). This site is located within an area zoned Industrial H. Industrial and commercial properties are located to the north, east, south and west. A site map is provided in Figure 2-2.

As stated in Section 1.0, the North Runway property was included in a site known as "Site 6 (Runway)." The site was the subject of a petition to NYSDEC, in February 1993, requesting that "Site 6" be removed from the Registry of Inactive Hazardous Waste Disposal Sites in New York (the Registry). NYSDEC approved the petition in September 1994, and removed "Site 6," including the North Runway property, from the Registry.

The North Runway property is generally level with topography gradually sloping away from the runway to facilitate drainage. Ground elevation is approximately 120 feet above mean sea level. Based on measurements obtained during the installation of groundwater monitoring wells at the site as part of the delisting petition, the depth from ground surface to the upper glacial aquifer is approximately 55 feet.



GRUMMAN AEROSPACE CORPORATION
BETHPAGE FACILITY
NORTH RUNWAY

SITE LOCATION MAP

FIGURE 2-1

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

CONFIDENTIAL

RUCO POLYMER CORP. SITE
TANKS
GM-9S,9I
10593
10594
S9MW-1
SOUTH OYSTER BAY ROAD EXTENSION
BLK N LOT 23
LOT 87
LOT 86
462'±
GP-14
BLK N LOT 20
NWIRP PROPERTY
HN-24S,24I,24II,24I2
LONG ISLAND RAILROAD
BLK 504 LOT 130
BLK 504 LOT 132
GM-11S
S8MW-1
BLK 504 LOT 133
BLK 504 LOT 131
GM-10S,10I
BLOOMINGDALE RD.
LOT 85
LOT 84A
LOT 78A
NORTH RUNWAY SITE
LOT 81
LOT 84B
S6MW-2
LOT 80
LOT 82
BLK 503 LOT 3 (PARTIAL)
BLK 323 LOT 88 (PARTIAL)
GM-12S,12I
BLK 323 LOT 16A (PARTIAL)
LOT 83 (PARTIAL)
LOT 223 (PARTIAL)
GUARD BOOTH
GP-5
LOT 78B
LOT 79
RECORDS CENTER
PLANT 25
PLANT 5
GP-2
GP-6
GM-23S,23I
WIND TUNNEL
TANK

DIR: 1167 FILE: 1167-13(GB/3-20-96)

LEGEND

- MONITORING WELL
- DEEP GRUMMAN PRODUCTION WELL

NOTE:

1. ALL LOTS ARE SECTION 46 BLOCK 323 FOR NORTH RUNWAY SITE
2. WELL LOCATIONS ARE APPROXIMATE.

0 200 400
SCALE IN FEET

GRUMMAN AEROSPACE CORPORATION
BETHPAGE FACILITY
NORTH RUNWAY

SITE PLAN

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

FIGURE 2-2

NGINS000471916

The Soil Conservation Service classifies the majority of the site (approximately 80%) as Urban Land. Urban Land is defined as an area with at least 85 percent asphalt, concrete, or other impervious building material, with most of the remaining small areas of soil being well drained Riverhead, Hempstead, or Enfield soils, or excessively drained Udipsaments. The remainder of the site (approximately 20%) is classified as Udipsaments. Udipsaments (nearly level) are defined as manmade fill or borrow areas, most of which are grass covered with slopes of 0 to 3 percent, which consist of very deep soils that are excessively drained to well-drained.

2.2 Facility Overview

Site inspections of the North Runway property were conducted on March 7 and March 15, 1996 to supplement/update the inspection performed in support of the Site 6 Delisting Petition.

Based upon the findings of the March 7 and March 15, 1996 site inspections, the North Runway property consists of the following areas:

- Southwest Corner of Property
  - grassy area
  - small area of excavation near concrete block chamber with metal hatched top (Based upon a review of Grumman Quadrangle Map 104, it appears to be a manway related to drainage piping.)

- Southern Parking Lots
  - monitoring well S6MW-2
  - dry wells for storm water drainage

- Perimeter Roadway
  - dry wells for storm water drainage

- Runway (inactive)
  - concrete runway
  - runway lights
  - unvegetated areas at edges of runway (north, east and west); soil mixed with blue stone, some bricks and pieces of wood noted (former location of thrust deflectors)

- Northwest Corner
  - railroad and South Oyster Bay Road Extension border this area of property
  - grassy area and row of pine trees
  - no stressed vegetation
  - dry wells for storm water drainage
  - USGS monitoring well 10594 located outside of fence (approximately 80 feet from railroad and 6 feet from South Oyster Bay Road Extension)
  -
  - former spur of railroad located in this area

- Grassy Area North/East of Runway
  - approximately 10-foot by 20-foot area of bare soil (Based upon information provided by Grumman utilities personnel, this was the former location of electrical equipment related to the runway system, which was removed within past six months.)
  - two steel pipes (approx. 2-inch diameter) protruding from ground, one capped, covered by green plastic cylinder next to guard rail (Based upon information provided by Grumman utilities personnel, the pipes were utilized for electrical conduits for the runway system.)

A review of Grumman Quadrangle maps shows that underground sanitary sewer, electrical and telephone lines are located on-site, as well as several dry wells with interconnecting piping.

Section 3

3.0 SITE HISTORY

This section presents a description of the history of development of the site and surrounding areas. Information presented in this section has been compiled based upon a review of available aerial photographs dated 1950-1988 (see Appendix B), available files at the Grumman Aerospace Corporation (GAC) Bethpage Facility and the Nassau County Department of Health (see Appendix D), interviews with representatives of GAC, and the findings of the site inspections performed on March 7 and March 15, 1996, as well as the findings of the Delisting Petition.

3.1 Former Uses and Summary of Prior Assessments

Aerial Photograph Review

Based upon a review of the earliest available aerial photograph of the site taken in 1950, the site was essentially undeveloped with the exception of a roadway forming a portion of the southern boundary line. South Oyster Bay Road was the eastern boundary line of the site at that time and the LIRR tracks formed the northern boundary line. Land to the immediate west was undeveloped. However, railroad tracks leading from a site located to the northwest of the North Runway site cross over the northwestern corner of the site, and connect with the LIRR tracks. North of the site and the LIRR tracks, a small building is noted. Northeast of the site was industrially developed, and land southeast of the site was in use as a runway. Land immediately south of the site was undeveloped, with the exception of a "Quonset" style building, located to the southwest.

Between 1950 and 1955, the runway to the southeast was expanded northwest, replacing a portion of South Oyster Bay Road and occupied the majority of the site. A new roadway (South Oyster Bay Road Extension) was constructed to the west, which forms the western boundary line of the site. A perimeter roadway circling the north end of the runway was also constructed during this time period. The small building located to the north of the site was removed, and the land

was being used as an athletic field. Land immediately south of the site was being used for athletic fields and for parking associated with Plant 25, located south of the North Runway site.

There were no apparent on-site changes between 1955 and 1962. Between 1962 and 1969, parking lots had been constructed in the southwestern portion of the site, with a subsequent reconfiguration of the roadway. It appears that the railroad tracks in the northwest corner of the site had been removed and the perimeter roadway was slightly widened at the northeast corner of the site during this time period.

Between 1969 and 1972, a line is noted in the grassy area north of the runway running parallel to the runway. A review of Grumman Quadrangle maps (109 and 110) indicated that this was an electrical line. There were no apparent on-site changes between 1972 and 1988.

Former Uses

Based upon interviews with GAC representatives and a review of aerial photographs, the site was utilized as the northern end of a runway between approximately 1955 and 1990, when the runway was "closed." According to GAC personnel interviewed during the preparation of the Delisting Petition, all aircraft maintenance and deicing procedures took place off-site, in the vicinity of Plant 4. According to GAC personnel, after 1990, the runway was utilized only by Nassau County to stage police helicopters. Private and/or commercial aircraft were permitted to use the runway for emergency purposes only. No helicopters were noted at the site during the March 1996 site inspections; however, helicopters were noted in the vicinity of Hangar 7, located to the southeast of the North Runway site.

In addition to the site being used as a runway until its closure, the southwestern portion of the property was utilized for vehicle parking. Based on aerial photography, the parking area was constructed between 1962 and 1969.

Prior Assessments

The information reviews conducted in support of the Delisting Petition, completed in February 1993, did not reveal evidence of the past or present existence of any on-site storage tanks, and records pertaining to any chemical and/or fuel spills on-site were not identified. In addition, areas of stressed vegetation were not observed during the May 1992 site inspection.

The field program conducted in support of the Site 6 (Runway) Delisting Petition included installation and sampling of two downgradient monitoring wells (S6MW-1 and S6MW-2) and two upgradient monitoring wells (S9MW-1 and S8MW-1). Groundwater samples were also collected from two existing wells, USGS well 10594 and Grumman well GM-16S. The closest wells to the North Runway site are wells S9MW-1, S8MW-1, and 10594 and well S6MW-2 is located on-site (see Figure 2-2). Monitoring wells S9MW-1, 10594 and S8MW-1 are located upgradient of the North Runway site, and well S6MW-2 is located on-site and downgradient. Monitoring wells GM-16S and S6MW-1 are located beyond the North Runway site study area and are therefore excluded from further discussion.

A description of the analytical results of the groundwater samples collected from only the wells on-site and closest to the site (S6MW-2, S9MW-1, S8MW-1 and 10594) on August 31, 1992 and September 1 and 2, 1992 follows:

One groundwater sample was collected from each well and analyzed for volatile organic compounds (VOCs) using Method 624, and metals using USEPA SW-846 Method 6010. VOCs were either not detected or were detected at concentrations well below the NYSDOH drinking water standards with the following exception: methylene chloride detected at a concentration of 4 ug/l (below the drinking water standard of 5 ug/l) at S9MW-1. The Delisting Petition noted that methylene chloride was detected in the field and trip blanks, and was therefore attributed to laboratory contamination.

Inorganic constituents were not detected in groundwater samples at levels above NYSDOH drinking water standards with the exception of lead, which was detected at 249 ug/l in USGS well 10594 (above the standard of 50 ug/l). The Delisting Petition noted that the sample could not be obtained at a turbidity of less than 50 NTUs, so an additional sample was filtered to remove soil particles prior to laboratory analysis. Lead was not detected in the filtered sample from USGS well 10594. The Delisting Petition concluded that all inorganic constituents related to groundwater quality were detected at concentrations below the NYSDOH drinking water standards.

In addition, one soil sample from each monitoring well borehole was collected and analyzed for VOCs using USEPA SW-846 Method 8010/8020, and total petroleum hydrocarbons (TPHCs) using USEPA Method 418.1. VOCs were not detected above method detection limits, with the exception of toluene, detected at 0.8 ug/kg in S6MW-2. This concentration is well below the NYSDEC recommended cleanup objective of 1,500 ug/kg. Also methylene chloride, was detected in the soil sample from S6MW-2 at a level of 16 ug/kg. Since methylene chloride was also detected in the field blank and the compound is a common laboratory chemical, the Delisting Petition stated that its presence in the environmental sample could be attributed to laboratory contamination.

With respect to TPHC analyses, TPHCs were detected at 220 mg/kg in the soil sample collected from the S6MW-2 borehole. The Delisting Petition noted that there was no evidence of prior fuel spills or releases and no evidence of discoloration or petroleum odors associated with the geologic or laboratory samples collected. To determine if the TPHCs were attributable to fuel-related compounds, the sample was also analyzed for fuel-related constituents utilizing NYSDOH Method 310-130. The analytical results indicated that fuel-related constituents such as gasoline, lubricating oil, kerosene and fuel oil were not detected above the method detection limits. The Delisting Petition concluded that the appearance of TPHCs in the borehole soil sample was not associated with any fuel-related spills.

An additional soil sample was collected adjacent to S6MW-2 and analyzed for polychlorinated biphenyls (PCBs) in March 1994. The sample was collected at the request of the NYSDEC during their evaluation of the Site 6 (Runway) Delisting Petition. A soil boring was advanced immediately adjacent to S6MW-2, and a sample was collected at the same interval that the TPHCs were previously detected. PCBs were not detected above method detection limits in the sample.

Another assessment which included the North Runway site was a Remedial Investigation/Feasibility Study (RI/FS) of the GAC Bethpage Facility. This study is discussed in Section 4.

3.2 Present Uses

As indicated in Section 2, the site inspections conducted on March 7 and March 15, 1996 revealed that the North Runway site is currently inactive and that some of the runway fixtures (thrust deflectors) have been removed. A portion of the runway adjacent to the eastern boundary line of the North Runway site is in use as an internal roadway connecting the southern portion of GAC property with the portion north of the LIRR tracks.

Section 4

4.0 REGULATORY COMPLIANCE HISTORY

4.1 Local Agency File Search

In support of the Delisting Petition effort, an investigation and evaluation of local agency records was undertaken to identify any environmental concerns on-site. This review revealed no files of environmental significance with respect to the North Runway property.

According to information on file at the Nassau County Department of Health (NCDOH), the Grumman Aerospace Corporation (GAC) Bethpage Facility was first listed on the State's Registry of Inactive Hazardous Waste Disposal Sites in 1983 as a Class 2a site. In 1988, a Class 2 designation was assigned to the facility. In 1992, the Bethpage Facility was separated into two sites, the Naval Weapons Industrial Reserve Plant (NWIRP) site and the Grumman Aerospace Bethpage Facility. GAC entered into a consent order with the NYSDEC to conduct an on-site and off-site Remedial Investigation/Feasibility Study (RI/FS) of the Bethpage Facility. A report containing the data collected during the first phase of the RI was submitted to NYSDEC in January 1992, and a final RI report (including the results of the Phase I and Phase II RI's) was submitted in September 1994.

The RI report indicates that the horizontal direction of groundwater flow in the shallow zone of the Upper Glacial (or water table) aquifer is generally to the south and southeast, but is greatly affected by localized groundwater pumpage (from Grumman production wells) and recharge (mainly from Grumman recharge basins). Groundwater contour maps (for April and August 1993) are included in Appendix D. Pumpage effects (depression of groundwater) are apparent near Plant 15 (near Grumman production well GP-13). Recharge effects (mounding of groundwater) are evident around the recharge basins near Plant 3 and Plant 5, the southern series of recharge basins, and to a lesser extent around the recharge basins near Plant 12. In addition, mounding is also observed along the eastern border of the Ruco Polymer Corporation site (near Plant 115) and is presumably due to recharge occurring on the Ruco site.

The RI report indicates that groundwater sampling conducted during the Phase I RI and the Phase II RI identified two plumes of groundwater contamination (eastern plume and western plume) near the center of the Bethpage Facility. The eastern plume contains trichloroethene (TCE), tetrachloroethene or perchloroethylene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,2-dichloroethene (1,2-DCE), 1,1-dichloroethene (1,1-DCE) and 1,1-dichloroethane (1,1-DCA). The RI report indicates that the eastern plume is defined by monitoring wells GM-14I, GM-16I, GM-19I, GM-22D, HN27S3, and well clusters GM-13 and HN-29. These wells are located greater than 1,000 feet northeast and southeast of the North Runway site (see maps in Appendix D). Groundwater contamination with the eastern plume is not likely to impact the North Runway site. The RI report indicates that the western plume consists primarily of TCE, and that it is defined by monitoring wells GM-12S, GM-12I, GM-18S, GM-18I, GM-32S, HN-24S, HN-24I2, and Grumman production wells GP-1 and GP-2 (see maps in Appendix D). Monitoring wells GM-12S, GM-12I, HN-24S and HN-24I2 are located near the North Runway property and the western-most edge of the plume appears to be in close proximity to the eastern boundary of the North Runway site (see Figure 2-2).

Another area of contamination was identified at the border of the Ruco Polymer Corporation site and the GAC property. The RI report indicates that this area of groundwater contamination generally consists of TCE, PCE, 1,1,1-TCA, 1,1-DCE, and vinyl chloride. This area of contamination is defined by monitoring well clusters GM-4, GM-5, GM-10, GM-23, and Grumman production wells GP-5, GP-8 and GP-14 (see maps in Appendix D). No discrete plume or plumes are present. Monitoring well clusters GM-10 and GM-23, and Grumman production wells GP-5 and GP-14 are located near the North Runway site (see Figure 2-2).

The RI report also indicates that contaminants have been detected in groundwater south and southeast, hydraulically downgradient of the GAC property. No discrete plume or plumes are present. Groundwater contamination in these areas will not impact the North Runway site.

The RI report identified a TCE storage tank at Plant 2, located to the south of the North Runway site, as a source of groundwater contamination. A soil vapor extraction (SVE) system

has been installed at the source area and is designed to remove TCE in unsaturated soils in that area, in order to prevent further contamination of the groundwater. Plant 2 is located downgradient of the North Runway property and, therefore, groundwater contamination near Plant 2 is not likely to impact the North Runway site.

In addition, the RI report identified Plant 15 (located to the north of the North Runway site) as a possible source of PCE contamination based on the results of a soil-gas survey. A telephone conversation with the NYSDEC project manager during the week of February 23, 1996, indicated that follow-up soil and groundwater sampling showed no significant contamination and failed to locate a source of the vapors. According to the NYSDEC representative, additional sampling was conducted, with similar results. The NYSDEC representative indicated that the area impacted is located adjacent to the Plant 15 loading dock and is approximately 20 feet in radius. Recently, under an agreement with NYSDEC, GAC installed the SVE System (originally at Plant 2) at the Plant 15 area for approximately 30 days. The soil vapor extraction period has been completed and the system has been returned to Plant 2. Based upon the available information, it does not appear likely that the North Runway site is impacted.

The North Runway site was initially included within the boundary lines of the Grumman Aerospace Bethpage Facility Inactive Hazardous Waste Disposal Site; however, the property was delisted on September 30, 1994, as documented in Appendix A.

The RI report contained a summary of the findings of a Phase 1 and Phase 2 RI of the NWIRP site completed in May 1992 and October 1993, respectively. The NWIRP site is located to the northeast and east of the North Runway property, and is upgradient with respect to the direction of groundwater flow for at least a portion of the year (see Appendix D).

The NWIRP Phase I RI consisted of a soil gas survey, soil sampling, surface water and sediment sampling, and monitoring well and groundwater sampling.

The soil gas survey indicated the presence of solvents near a former drum marshalling area with the detection of PCE and TCE. Soil samples from a recharge basin and from a salvage storage area contained volatile organic compounds (VOCs). In addition, soil samples from the former drum marshalling area contained elevated concentrations of polychlorinated biphenyls (PCBs), polynuclear aromatic hydrocarbons (PAHs), pesticides and inorganics. VOCs (including TCE, PCE, 1,1,1-TCA, 1,1-DCA, 1,1-DCE and 1,2-DCE) were detected in groundwater samples obtained from wells near the former drum marshalling area.

Groundwater downgradient of the salvage storage area contained elevated levels of TCE and lesser concentrations of PCE and 1,1,1-TCA. Groundwater samples from wells near recharge basins contained TCE. Surface water in the recharge basins contained TCE, and sediment in the recharge basin contained TCE and PCE.

The NWIRP Phase II RI included a soil gas survey, soil sampling, and monitoring well installation and groundwater sampling.

The soil gas survey indicated several areas at Plant 3 that had high levels of VOCs (including PCE, TCE and 1,1,1-TCA). Lower concentrations of these compounds were also detected at the drum storage area. Soil samples collected from the former drum marshalling area, salvage storage area and the recharge basin area contained PCBs, and soil sampling near monitoring well cluster HN-24 reported levels of TCE and toluene.

Groundwater samples obtained from wells near the former drum marshalling area contained PCE, TCE, 1,1,1-TCA, 1,1-DCA and 1,2-DCE. Groundwater near Plant 3 contained elevated concentrations of TCE.

The RI report indicated that specific sources of contamination have not been fully delineated on the NWIRP site or Ruco Polymer Corporation property; however, the groundwater flow and quality data compiled from the previous investigations indicate that contamination

likely originated from one or more sources on the NWIRP and Ruco sites and from at least one source on the Grumman Bethpage facility property.

In addition to the aforementioned RI report, additional groundwater quality data was obtained from the NCDOH. This data included the analytical results of groundwater samples obtained from other monitoring wells in the vicinity of the North Runway site. In particular, historical data was available for USGS monitoring well 10594, which is located upgradient of the North Runway site. Well 10594 is located near the northwestern corner of the site (see Figure 2-2). The analytical results of groundwater samples collected from this well between October 1986 and November 1988, as well as September 1992 (see Section 3.1) are summarized in Table 4-1. In addition, Table 4-1 summarizes the results of groundwater samples obtained from monitoring wells located closest to and on the North Runway site, including wells S6MW-2, S8MW-1 and S9MW-1 (see Section 3.1), and well clusters GM-12 and GM-23 (see previous discussion of RI report).

The results indicate that the groundwater samples collected from well 10594 between October 1986 and November 1988 contained elevated concentrations of TCE ranging from 83 ug/l to 440 ug/l that exceeded the NYSDOH drinking water standard of 5 ug/l for this compound. However, the most recent sampling of this well in September 1992 showed that the TCE concentration of 3 ug/l was less than the standard. This well is shallow (76 feet deep) and is located immediately upgradient of the North Runway site in the extreme northwest corner of the property. Other shallow upgradient wells are S9MW-1 (71 feet deep) and S8MW-1 (65 feet deep). TCE was detected at a low level (1 ug/l) in the groundwater sample from S8MW-1. No other compounds were identified above detection limits in the sample from this well. Based on the RI report, well S8MW-1 is upgradient only during times of peak pumpage and peak recharge. The sample from well S9MW-1 contained 4 ug/l of methylene chloride; however, the presence of this compound is attributed to laboratory contamination (see Section 3.1). Well S6MW-2 is located on the North Runway site. It is also a shallow well (70 feet deep) and is located near the southern boundary of the property. No compounds were found at levels above detection limits in the sample from this well.

TABLE 4-1
GRUMMAN AEROSPACE CORPORATION
NORTH RUNWAY SITE
VOLATILE ORGANICS DETECTED IN GROUNDWATER SAMPLES
FROM MONITORING WELLS CLOSEST TO SITE

WELL ID	10594	10594	10594	10594	10594		NYSDOH DRINKING WATER STANDARDS	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDELINES
DATE OF COLLECTION	10/86	04/87	07/88	11/88	09/01/92			
WELL DEPTH	76 ft	76 ft	76 ft	76 ft	76 ft			
UNITS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)		(ug/l)	
Chloromethane	NA	NA	NA	NA	U		----	5 ST
Bromomethane	NA	NA	NA	NA	U		----	5 ST
Vinyl Chloride	U	U	1	U	U		2	2 ST
Chloroethane	NA	NA	NA	NA	U		----	5 ST
Methylene Chloride	U	U	U	NA	U		5	5 ST
Acetone	NA	NA	NA	NA	U		----	50 GV
Carbon Disulfide	NA	NA	NA	NA	U		----	----
1,1-Dichloroethene	U	U	U	U	U		5	5 ST
1,1-Dichloroethane	U	U	U	U	U		5	5 ST
1,2-Dichloroethene (total)	U	U	U	U	U		5	5 ST
Chloroform	U	U	U	U	U		100*	7 ST
1,2-Dichloroethane	NA	NA	NA	NA	U		5	5 ST
2-Butanone	NA	NA	NA	NA	U		----	50 GV
1,1,1-Trichloroethane	2	3	2	4	U		5	5 ST
Carbon Tetrachloride	U	U	U	U	U		5	5 ST
Bromodichloromethane	U	U	U	U	U		100*	50 GV
1,2-Dichloropropane	NA	NA	NA	NA	U		5	5 ST
cis-1,3-Dichloropropene	U	U	NA	U	U		5	5 ST
Trichloroethene	53	170	230	440	3 J		5	5 ST
Dibromochloromethane	U	U	U	U	U		100*	50 GV
1,1,2-Trichloroethane	U	U	U	U	U		5	5 ST
Benzene	U	U	U	U	U		5	0.7 ST
Trans-1,3-Dichloropropene	NA	NA	NA	NA	U		5	5 ST
Bromoform	U	U	U	U	U		100*	50 GV
4-Methyl-2-Pentanone	NA	NA	NA	NA	U		----	----
2-Hexanone	NA	NA	NA	NA	U		----	50 GV
Tetrachloroethene	U	U	U	U	U		5	5 ST
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	U		5	5 ST
Toluene	U	U	4	U	U		5	5 ST
Chlorobenzene	U	U	U	U	U		5	5 ST
Ethylbenzene	U	U	U	U	U		5	5 ST
Styrene	NA	NA	NA	NA	U		5	5 ST
Total Xylenes	U	U	U	U	U		15	5 ST**

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample
J: Compound found at concentration below the CRDL, value estimated
NA: Not analyzed for

NOTES
GV: Guidance Value
ST: Standard
: value exceeds NYSDOH Drinking Water Standard
----: Not established
*: Total trihalomethanes not to exceed 100 ppb
**: Applies to each isomer individually

1167pp/vgw/rp/kb

03/25/96

TABLE 4-1 (continued)
GRUMMAN AEROSPACE CORPORATION
NORTH RUNWAY SITE
VOLATILE ORGANICS DETECTED IN GROUNDWATER SAMPLES
FROM MONITORING WELLS CLOSEST TO SITE

WELL ID	S6MW-2	S8MW-1	S9MW-1	GM-12S	GM-12S		NYSDOH DRINKING WATER STANDARDS	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDELINES
DATE OF COLLECTION	09/02/92	09/01/92	08/31/92	10/28/91	08/27/93			
WELL DEPTH	70 ft	65 ft	71 ft	55 ft	55 ft			
UNITS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)		(ug/l)	
Chloromethane	U	U	U	U	U		----	5 ST
Bromomethane	U	U	U	U	U		----	5 ST
Vinyl Chloride	U	U	U	U	U		2	2 ST
Chloroethane	U	U	U	U	U		----	5 ST
Methylene Chloride	U	U	4 J	U	1 J		5	5 ST
Acetone	U	U	U	U	U		----	50 GV
Carbon Disulfide	U	U	U	U	U		----	----
1,1-Dichloroethene	U	U	U	U	U		5	5 ST
1,1-Dichloroethane	U	U	U	U	U		5	5 ST
1,2-Dichloroethene (total)	U	U	U	6	U		5	5 ST
Chloroform	U	U	U	U	U		100*	7 ST
1,2-Dichloroethane	U	U	U	U	U		5	5 ST
2-Butanone	U	U	U	U	U		----	50 GV
1,1,1-Trichloroethane	U	U	U	U	U		5	5 ST
Carbon Tetrachloride	U	U	U	U	U		5	5 ST
Bromodichloromethane	U	U	U	U	U		100*	50 GV
1,2-Dichloropropane	U	U	U	U	U		5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U		5	5 ST
Trichloroethene	U	1 J	U	45	20		5	5 ST
Dibromochloromethane	U	U	U	U	U		100*	50 GV
1,1,2-Trichloroethane	U	U	U	U	U		5	5 ST
Benzene	U	U	U	U	U		5	0.7 ST
Trans-1,3-Dichloropropene	U	U	U	U	U		5	5 ST
Bromoform	U	U	U	U	U		100*	50 GV
4-Methyl-2-Pentanone	U	U	U	U	U		----	----
2-Hexanone	U	U	U	U	U		----	50 GV
Tetrachloroethene	U	U	U	U	U		5	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U		5	5 ST
Toluene	U	U	U	U	U		5	5 ST
Chlorobenzene	U	U	U	U	U		5	5 ST
Ethylbenzene	U	U	U	U	U		5	5 ST
Styrene	U	U	U	U	U		5	5 ST
Total Xylenes	U	U	U	U	U		15	5 ST**

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample
J: Compound found at concentration below the CRDL, value estimated
NA: Not analyzed for

NOTES
GV: Guidance Value
ST: Standard
: value exceeds NYSDOH Drinking Water Standard
----: Not established
*: Total trihalomethanes not to exceed 100 ppb
**: Applies to each isomer individually

TABLE 4-1 (continued)
GRUMMAN AEROSPACE CORPORATION
NORTH RUNWAY SITE
VOLATILE ORGANICS DETECTED IN GROUNDWATER SAMPLES
FROM MONITORING WELLS CLOSEST TO SITE

WELL ID	GM-12I	GM-12I	GM-23S	GM-23S	GM-23I	GM-23I	NYSDOH DRINKING WATER STANDARDS	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDELINES
DATE OF COLLECTION	10/28/91	08/27/93	10/24/91	08/23/93	10/24/91	08/24/93		
WELL DEPTH	116 ft	116 ft	56 ft	56 ft	120 ft	120 ft		
UNITS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
Chloromethane	U	U	U	U	U	U	----	5 ST
Bromomethane	U	U	U	U	U	U	----	5 ST
Vinyl Chloride	U	U	U	U	U	U	2	2 ST
Chloroethane	U	U	U	U	U	U	----	5 ST
Methylene Chloride	U	U	U	U	U	U	5	5 ST
Acetone	U	U	U	U	U	U	----	50 GV
Carbon Disulfide	U	U	U	U	U	U	----	----
1,1-Dichloroethene	U	U	U	U	U	U	5	5 ST
1,1-Dichloroethane	U	U	U	U	U	U	5	5 ST
1,2-Dichloroethene (total)	U	U	U	U	5	3 J	5	5 ST
Chloroform	U	U	U	U	U	U	100*	7 ST
1,2-Dichloroethane	U	U	U	U	U	U	5	5 ST
2-Butanone	U	U	U	U	U	U	----	50 GV
1,1,1-Trichloroethane	U	U	U	U	U	1 J	5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	5	5 ST
Bromodichloromethane	U	U	U	U	U	U	100*	50 GV
1,2-Dichloropropane	U	U	U	U	U	U	5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	5	5 ST
Trichloroethene	3100	1000	U	U	9	20	5	5 ST
Dibromochloromethane	U	U	U	U	U	U	100*	50 GV
1,1,2-Trichloroethane	U	U	U	U	U	U	5	5 ST
Benzene	U	U	U	U	U	U	5	0.7 ST
Trans-1,3-Dichloropropene	U	U	U	U	U	U	5	5 ST
Bromoform	U	U	U	U	U	U	100*	50 GV
4-Methyl-2-Pentanone	U	U	U	U	U	U	----	----
2-Hexanone	U	U	U	U	U	U	----	50 GV
Tetrachloroethene	U	U	U	U	13	6 J	5	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	5	5 ST
Toluene	U	13 J	U	U	U	U	5	5 ST
Chlorobenzene	U	U	U	U	U	U	5	5 ST
Ethylbenzene	U	U	U	U	U	U	5	5 ST
Styrene	U	U	U	U	U	U	5	5 ST
Total Xylenes	U	U	U	U	U	U	15	5 ST**

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample
J: Compound found at concentration below the CRDL, value estimated
NA: Not analyzed for

NOTES
GV: Guidance Value
ST: Standard
: value exceeds NYSDOH Drinking Water Standard
----: Not established
*: Total trihalomethanes not to exceed 100 ppb
**: Applies to each isomer individually

Well cluster GM-12 is comprised of a shallow well, GM-12S (55 feet deep), and an intermediate depth well, GM-12I (116 feet deep). Based on the RI report, both of these wells were used to define the western-most edge of the western plume of groundwater contamination. The RI report indicates that GM-12S may be considered slightly upgradient of the extreme southeastern corner of the North Runway site mainly during times of peak pumpage and peak recharge. The groundwater samples collected from GM-12S contained TCE at concentrations of 45 ug/l in October 1991 and 20 ug/l in August 1993 that exceeded the NYSDOH drinking water standard of 5 ug/l. In addition, the sample collected from GM-12S in October 1991 contained 1,2-DCE at a level of 6 ug/l that exceeded the drinking water standard of 5 ug/l for this compound. However, 1,2-DCE was not detected in the sample obtained from this well in August 1993. The groundwater samples collected from the deeper well, GM-12I, contained TCE at concentrations of 3,100 ug/l in October 1991 and 1,000 ug/l in August 1993 that exceeded the drinking water standard. In addition, the sample collected from GM-12I in August 1993 contained toluene at a level of 13 ug/l that exceeded the drinking water standard of 5 ug/l. However, toluene was not found in the sample obtained during the previous sampling in October 1991.

Well cluster GM-23 consists of a shallow well, GM-23S (56 feet deep) and an intermediate depth well, GM-23I (120 feet deep). Based on the RI report, both of these wells appear to be downgradient of the North Runway site. The groundwater samples collected from GM-23S did not contain any compounds above detection limits during the sampling events in October 1991 and August 1993. The groundwater samples obtained from the deeper well, GM-23I, contained TCE and PCE at levels that exceeded the drinking water standards of 5 ug/l for these compounds. Well GM-23I contained TCE at 9 ug/l in October 1991 and 20 ug/l in August 1993, and PCE at 13 ug/l in October 1991 and 6 ug/l in August 1993. In addition, the sample collected from GM-23I in October 1991 contained 1,2-DCE at a concentration of 5 ug/l, which is the same as the drinking water standard. However, 1,2-DCE was found at a level of 3 ug/l that was below the standard in August 1993. The sample from August 1993 also contained 1 ug/l of 1,1,1-TCA.

In addition to this groundwater quality information, the USGS conducted an investigation of groundwater quality over a wide area that encompassed the site. Beginning in 1985, the USGS conducted an investigation of the hydrogeology and groundwater quality of the Bethpage-Hicksville-Levittown area. The study area included the Ruco Polymer Corporation, U.S. Navy (NWIRP/Plant 3) and Grumman Bethpage Facility sites. The results of this study were summarized in three reports, the second of which was entitled, "Ground-Water Quality in the Bethpage-Hicksville-Levittown Area, Long Island, New York, With Emphasis on Volatile Organic Compounds." This report summarized groundwater quality in the study area based on the analysis of groundwater samples collected from monitoring wells and industrial wells in the Spring and Fall of 1986 and 1987. The findings of this report identified the presence of a plume of groundwater contamination primarily consisting of several volatile organic compounds including TCE, PCE, 1,1,1-TCA, 1,2-DCE, 1,1-DCA and vinyl chloride. This plume was described as being present beneath and extending southward from the Ruco Polymer, Navy (NWIRP/Plant 3) and Grumman Bethpage Facility sites. The plume in 1987 was reported to be approximately 5,700 feet wide, 12,000 feet long and greater than 500 feet thick. Isoconcentration contour maps presented in the USGS study delineated the areal extent of the plume and indicated that the plume was present beneath the North Runway site.

4.2 State and Federal Environmental Data Base Search Review

In order to update and supplement the prior assessment, a computer environmental data base search of state and federal record sources for the site and surrounding areas was undertaken in accordance with the ASTM minimum search radius criteria. This section presents a summary of the information provided in the environmental data base report. The detailed report is presented in Appendix C. Data bases summarized below include the following:

Data Base	Search Radius
• National Priorities List (NPL)	1 1/4 mile

Data Base	Search Radius
• RCRA Corrective Actions (CORRACTS)	1 1/4 mile
• Inactive Hazardous Waste Disposal Sites State Priorities List (SPL)	1 1/4 mile
• Resource Conservation and Recovery Act (RCRA) Hazardous Waste Treatment, Storage and Disposal (RCRA - TSD)	1 1/4 mile
• Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) sites	3/4 mile
• Leaking Underground Storage Tanks (LUST)	3/4 mile
• Solid Waste Landfill Facilities (SWLF)	3/4 mile
• RCRA Violations/Enforcement Actions	1/2 mile
• Toxic Release Inventory System Database (TRIS)	1/2 mile
• State Registered Above and Underground Storage Tanks (ASTs and USTs)	1/2 mile
• Emergency Response Notification System (ERNS), Reported Releases of Oil and Hazardous Substances	3/8 mile
• RCRA Hazardous Waste - Large Quantity Generators	3/8 mile
• RCRA Hazardous Waste - Small Quantity Generators	3/8 mile

A summary of the evaluation of each of the sites identified in the environmental data base search is presented below by data base category.

National Priorities List (NPL)

The USEPA's NPL data base lists uncontrolled or abandoned hazardous waste sites that have been identified for priority remedial action under the federal Superfund program. The agency release date for the NPL data base was September 1995.

Ruco Polymer Corporation: The data base report has identified the Ruco Polymer facility (a.k.a. Hooker Chemical) as an NPL site. The site has been on the federal Superfund list since 1984 and remains an "active" plastics manufacturing facility. The site has been the subject of monitoring and investigations intended to identify the extent of contamination resulting from previous waste disposal practices. Two operable units requiring remedial action were originally identified at the Hooker Chemical Site.

Operable Unit 1 has necessitated the remediation of soil and groundwater contaminated by VOCs used in the various manufacturing processes employed by the facilities on-site. Based upon communication with the USEPA, the RI report was approved on December 7, 1992. The associated Feasibility Study was subsequently completed and a Record of Decision on a Proposed Remedial Action Plan was signed on January 28, 1994. Based upon recent communications with the USEPA, a unilateral administrative order has been issued and a draft Work Plan is currently being reviewed by the USEPA.

Operable Unit 2 pertains to a relatively small area of soil contaminated by PCBs resulting from releases of the heat transfer fluid Therminol. The migration of PCBs resulted from on-site runoff and on-site truck traffic. However, the extent of contaminated soil was contained entirely on the Ruco Polymer/Hooker Chemical site. No off-site contamination from Operable Unit 2 was identified. Remedial action involving Operable Unit 2 has been completed.

According to the USEPA, a third operable unit which involves the investigation of groundwater quality off-site is now in the RI/FS stage. The RI/FS work includes installation and sampling of monitoring wells, groundwater elevation measurements and modeling work. Until the USEPA releases all details regarding Operable Units 1 and 3, and the ongoing investigation is complete, it is not possible to fully characterize the extent of potential off-site impacts from the Ruco Polymer Corporation site.

According to the data base report, a distance of approximately 0.12 miles separates the Ruco Polymer Corporation site from the North Runway site, which is located to the southeast.

Based upon a review of water table elevation and contour maps, dated April and August 1993 (see Appendix D), groundwater flow direction in the vicinity of the Hooker Chemical and the North Runway properties varies on a seasonal basis. The predominant direction of groundwater flow is to the southeast. However, on a localized basis, groundwater mounding from recharge basins and the effects of groundwater withdrawal by nearby production wells causes seasonal shifts in flow direction. In general, based upon review of water table contour maps, the North Runway site is downgradient to the predominant direction of groundwater flow, from the Ruco Polymer site.

The Ruco Polymer/Hooker Chemical site was also identified on several other data bases as described below.

RCRA Corrective Actions (CORRACTS)

The USEPA maintains this data base of RCRA facilities which are undergoing "corrective action." A "corrective action order" is issued pursuant to RCRA section 3008(h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it pre-dates RCRA. The agency release date for this data base was October 1995.

Grumman Aerospace Corporation: The GAC facility is identified on the CORRACTS data base, with a "high" prioritization status. The data base indicates a "RCRA Facility Assessment" has been completed and an "RFI work plan" and "RFI" have been approved. In addition, a "Stabilization Measures Evaluation" and a "Corrective Measures Study" (CMS) has been completed. The data base report indicates "stabilization measures" have been implemented. Additional information on the GAC facility is provided with the other data bases it has been identified on, as described below.

Ruco Polymer Corporation: The CORRACTS data base lists the Ruco Polymer Corporation site as having a "high" prioritization status. The data base indicates that a "Stabilization Measures Evaluation" and a "RCRA Facility Assessment" have been completed. In addition, the data base states "yes" for "no further corrective action at this time."

LILCO/Hicksville Operating Center: The CORRACTS data base lists the LILCO facility (located 1.01 miles northwest of the North Runway site) as having a "low" prioritization status. The data base also indicates that a "Stabilization Measures Evaluation," a "RCRA Facility Assessment" and a "Corrective Action Process Termination" have been completed.

State Priorities List (SPL)

This data base is the New York State Registry of Inactive Hazardous Waste Disposal Sites and is provided by the NYSDEC. The agency release date for the data base was July 1995.

Grumman Aerospace - Bethpage Facility: In the data base report, the "Grumman Aerospace - Bethpage Facility" is identified on the SPL data base. The facility type is listed as "lagoon, landfill." State status is listed as "remedial action pending/in progress." Pollutants listed are "chromium other," "paint sludge" and "metals/related substances."

Ruco Polymer Corporation: The data base report identifies the Ruco Polymer Corporation on the SPL data base. The SPL data base indicates that the facility type is "lagoon, landfill," and its State status is "remedial action pending/in progress." Pollutants listed are "plant waste," "ethylhexyl and related compounds" and "ethylene substance." As stated previously, this facility has been under active investigation and/or remedial phases pursuant to consent orders, with additional ongoing monitoring.

Naval Weapons Industrial Reserve Plant: In the unmapped section of the data base report, the NWIRP was identified on the SPL data base. The facility type was listed as "lagoon, landfill" and its State status was "remedial action pending/in progress." The pollutants identified on the

SPL data base were "trichloroethylene," "tetrachloroethene" and "trichloroethane/TCA." As stated previously, the North Runway site is located to the west and southwest of the NWIRP, which is downgradient with respect to groundwater flow for at least a portion of the year.

RCRA Hazardous Waste Treatment, Storage and Disposal (TSD)

The USEPA's RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The TSD data base is comprised of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. The agency release date for this data base was October 1995. It should be noted that a facility's inclusion on this data base does not imply that a facility has had any violations or releases.

Grumman Aerospace Corporation: The data base report lists GAC, South Oyster Bay Road, Bethpage, New York as a TSD site. According to the report, there is no land disposal and there is no incineration of hazardous waste at the site. According to a GAC representative, other than small quantities of waste generated at off-site Grumman-owned and operated facilities, the Bethpage Facility does not receive hazardous waste generated off-site. The data base report also indicates that GAC is a Hazardous Waste Generator. As a generator of hazardous waste in Nassau County, GAC is not only subject to the regulatory requirements of the NYSDEC's Hazardous Waste Management Program, but must also adhere to the very stringent management standards and design criteria addressing the overall management and storage of hazardous waste over a sole source aquifer, as administered by the NCDOH. Overall, these include secondary containment structures for any designated storage areas along with stringent record keeping and administrative controls including the use of manifests for tracking the transportation and disposal of waste.

LILCO/Hicksville Operating Center: The data base report lists the LILCO/Hicksville Operating Center as a TSD site. According to the data base report, no off-site waste is received, there is no land disposal or incineration, and no storage or treatment of hazardous waste at the site.

CERCLIS Sites

According to the data base report, the CERCLIS data base contains sites which are either on the NPL, or are being screened and assessed for their potential inclusion on the NPL list. The agency release date for the CERCLIS data base was December 1995. The data base report also contains information on an associated CERCLIS data base called No Further Remedial Action Planned (NFRAP). This data base contains a listing of sites for which an initial investigation was performed and either no contamination was found, or the contamination was removed quickly, or the "contamination was not serious enough to require Superfund action or NPL consideration." The agency release date of the CERCLIS-NFRAP data base was December 1995.

Grumman Aerospace Corporation: The data base report identifies GAC on the CERCLIS-NFRAP data base. The facility's NPL status is listed as "not a proposed, current or deleted NPL site." A preliminary assessment was completed on January 1, 1980, and the event status was "no further remedial action planned."

Ruco Polymer Corporation: The data base report identifies the Ruco Polymer Corporation on the CERCLIS data base. Its NPL status is listed as "currently on final NPL."

NWIRP: In the unmapped section of the data base report, the NWIRP is identified as a CERCLIS site. The data base indicates that its NPL status is "not a proposed, current or deleted NPL site," and the site description indicates that "there are potential hazardous waste areas at this site; such as wastes generated primarily from aircraft productions."

LUST

According to the preparers of the data base report, the LUST data base is a compilation of reported tank test failures provided by the NYSDEC. However, based upon discussions with a representative of NYSDEC, it appears that the LUST data base is representative of the New York State Spills data base, which is not limited to tank test failures. A facility's listing on the LUST

data base does not necessarily imply that a release has been documented, but rather that investigation/monitoring is continuing on "case open" sites, as discussed below. The agency release date was November 1995. Facilities in Nassau County that have reported tank test failure and/or spills are subject to not only the federal and state requirements for upgrading underground storage tank systems, but are also required to adhere to the stringent design, inventory control and reporting requirements of the NCDOH. These additional requirements are in place to protect the sole source aquifer resources of the County. Overall, these include the design and implementation of secondary containment structures, leak detection, cathodic protection and rigorous inventory control and tank testing programs.

The LUST data base includes information on the remedial status of the investigation, if applicable. According to a representative of the NYSDEC Region 1 Spill Unit, when the remedial status of a LUST site investigation is "case closed/cleanup complete," the NYSDEC has ended its investigation, and remediation of the spill (if any) has been performed to the maximum extent possible. Based upon this information, those sites with past releases having a "case closed/cleanup complete" remedial status are not expected to be potential off-site sources of contamination. Therefore, only "case open" investigations are discussed in detail.

Grumman Aerospace Corporation: The data base report identifies a number of records for the Grumman Aerospace Corporation Bethpage Facility. However, of the 19 LUST sites reported, all but six have the remedial status "case closed/cleanup complete."

The following records at GAC's Bethpage facility were reported in the data base to have "case open" remedial status:

Northrop Grumman, Stewart Avenue, Bethpage, New York

- Data Base Information:

  - Agency ID: 95-06041
  - Discovery Date: August 16, 1995
  - Substance: No. 2 fuel oil
  - Leak Cause: Tank failure

- Based upon discussion with representatives of GAC, a tank at GAC Plant 111 (located north of the North Runway site) failed a tightness test, and was subsequently removed, along with an adjacent UST. No. 2 fuel oil contaminated soil was excavated and removed under the direction of NYSDEC and cleanup has been completed. According to a representative of the NYSDEC Spill Unit, the spill has a "case open" remedial status because copies of the waste disposal manifests have not yet been received by the NYSDEC. Based upon available information, it does not appear that the North Runway site would be impacted.

Grumman Aerospace, Building 1, South Oyster Bay Road, Bethpage, New York

- Data Base Information:

  - Agency ID: 92-07215
  - Discovery Date: April 16, 1991
  - Substance: No. 2 fuel oil
  - Leak Cause: Tank failure

- Representatives of GAC reported that this data base record concerns a 2,500 gallon waste oil tank which was removed from the Plant 1 property along with contaminated soils under NYSDEC direction. The NYSDEC was satisfied with the remedial effort.

Grumman, Plant 20, Stewart Avenue

- Data Base Information:

  - Agency ID: 92-04511
  - Discovery Date: August 11, 1994
  - Substance: Diesel
  - Leak Cause: Tank failure

- According to representatives of GAC, a tank at Plant 20 failed a tightness test. The tank was subsequently removed in the presence of a NYSDEC representative who determined the effort to be a "clean closure."

Grumman Building 3, Stewart Avenue

- Data Base Information:

  - Agency ID: 94-06455
  - Discovery Date: June 2, 1993
  - Substance: Waste oil
  - Leak Cause: Tank failure

- Although this release remains in the "case open" remedial status, according to GAC, the spill concerns a tank which failed a tightness test, was subsequently repaired, and when retested, passed the tightness test.

Grumman Aerospace, Bethpage, New York

- Data Base Information:

  - Agency ID: 87-07733
  - Discovery Date: June 29, 1993
  - Substance: Diesel
  - Leak Cause: Tank failure

- The data base report did not specify the exact location of the tank which failed a tightness test. According to representatives of GAC, a tank at Plant 20 failed a tank test on June 29, 1993, but has a NYSDEC Spill No. of 93-04043. According to GAC, the tank in question (i.e., NYSDEC Spill No. 93-04043) was uncovered and the fill line was noted to be cracked. The tank was subsequently repaired and approximately 2 yards of soil was removed. According to GAC, remediation efforts and monitoring of groundwater is ongoing under the direction of the NYSDEC. The extent of contamination has not been determined to date; however, based upon a review of available information regarding local groundwater flow, the North Runway site is not likely to be impacted.

  Communication with NYSDEC revealed that a spill due to human error occurred at an unspecified location at the Grumman Bethpage Facility and was either reported or occurred on December 8, 1987. The NYSDEC Spill No. for this event is 87-07733. According to the NYSDEC representative, the case was closed on December 31, 1987.

Grumman Aerospace, Building 28, Bethpage, New York

- Data Base Information:

  - Agency ID: 94-08269
  - Discovery Date: September 21, 1994
  - Substance: No. 2 fuel oil
  - Leak Cause: Tank failure

- According to GAC, the tank in question has since been retested and passed tightness testing on January 16, 1996. According to GAC, the reason for the tank failure was air entrapment inside the tank, and a recently completed modification to the tank involved the installation of a bleeder valve on the manway to the tank to expel trapped air. A subsequent tightness test of the tank system was performed and the

system passed. Based upon a review of available information, the North Runway site is not likely to be impacted.

The data base report also identifies a number of other sites on the LUST data base. The only other site with a reported "case open" status is discussed below.

Tartan Oil, South Oyster Bay Road, Hicksville:

- Data Base Information:

  - Agency ID: 92-06696
  - Discovery Date: September 9, 1992
  - Substance: Gasoline (unspecified)
  - Leak Cause: (No "leak cause" entry in data base)

- A call to the NYSDEC Spill Unit revealed that the Tartan Oil Company is located at the intersection of South Oyster Bay Road and Woodbury Road, which is greater than 1 1/4 miles north of the North Runway site. Based on the significant distance between the two sites, it appears unlikely that the North Runway site would be impacted.

Solid Waste Landfill Facilities (SWLF)

The SWLF data base is a compilation of reported "Recycler's Listing," "Incinerators - Resource Recovery Projects," "Active Solid Waste Disposal Sites," and "Inactive Solid Waste Sites" provided by the NYSDEC. The agency release dates for these data bases are April 1993, January 1994, September 1995 and September 1995, respectively.

The SWLF data base included information, where available, on "Facility Type," "Facility Status," and "Permit Status." In the unmapped section of the data base report, ten facilities were identified on the SWLF data base. However, all but three are listed as "inactive." The three facilities listed as "active" are "Old Westbury SWMF, NY," "Great Neck T.S." and "Rockville Center T.S." Based upon telephone conversations with the NYSDEC, it appears that all seven of

the inactive sites are located greater than 1 1/4 miles from the North Runway site. The three active sites are located well outside the study area.

RCRA Violations/Enforcement Actions

As stated previously, the RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA facilities data base is comprised of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Violators are facilities which have been cited for RCRA violations at least one time since 1980. RCRA Enforcements are enforcement actions taken against RCRA violators. The agency release date for the RCRA Violators/Enforcements data base was October 1995.

According to the data base report, no RCRA violators were identified within the search radius (1/2 mile); however, the LILCO/Hicksville Operating Center (located 1.01 miles northwest) was identified on this data base. Since it is located outside of the search radius, no details on any violations or enforcement actions were provided in the data base report.

Toxic Release Inventory System (TRIS)

Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA or SARA Title III) of 1986, requires the USEPA to establish an inventory of toxic chemical emissions from certain facilities. Facilities subject to this reporting are required to complete a Toxic Chemical Release Form (Form R) for specified chemicals. The agency release date for this data base was May 1995.

Grumman Aerospace Corporation: GAC was identified on the TRIS data base. According to the data base report, the following releases were listed for GAC:

Chemical Abstract Service Registry	Quantity Released (lbs.)
trichloroethylene	158,843
nitric acid	18,957
1,1,1-trichloroethane	80,962
tetrachloroethylene	35,302
hydrogen fluoride	10,552
methyl ethyl ketone	53,533
not reported	28,402
methanol	846

Ruco Polymer Corporation: Ruco Polymer Corporation was identified on the TRIS data base. According to the report, the following releases were listed for Ruco:

Chemical Abstract Service Registry	Quantity Released (lbs)
methyl ethyl ketone	1727
toluene	2385
styrene	349
methyl isobutyl ketone	640
toluene isocyanate (mixed isomer)	258
methylenebis (phenylisocyanate)	4
phthalic anhydride	561
ethylene glycol	9558

According to the data base report, no other facilities subject to the reporting requirements of EPCRA were identified within the search radius (1/2 mile).

State Registered ASTs and USTs

Two data bases are utilized in the data base report that identify sites that contain aboveground and underground storage tanks (ASTs and USTs). The NCDOH maintains an

Article XI "In Service" Tank Data Base of ASTs and USTs. The agency release date of that data base was April 1995. In addition, the NYSDEC's Petroleum Bulk Storage Program maintains information on petroleum bulk storage tanks, hazardous substance bulk storage tanks and major petroleum storage facilities. The agency release date for the data base was November 1995. Facilities with USTs that are located in Nassau County are subject not only to the federal and state requirements for underground storage tank systems but are also required to adhere to the stringent design, inventory control and reporting requirements of the NCDOH. These additional requirements are in place to protect the sole source aquifer resources of the County. Overall, these requirements include the design and implementation of secondary containment structures, leak detection, cathodic protection and rigorous inventory control and tank testing programs.

According to the data base report, within a 1/2 mile radius of the North Runway site, there are 12 mapped sites including GAC with registered ASTs or USTs. However, it should be noted that a facility's listing on the UST/AST data base does not imply that any violation or releases have taken place.

Emergency Response Notification System (ERNS)

ERNS is a national data base containing information on reported releases of oil and hazardous substances. Spill information is reported to a variety of governmental agencies including the USEPA, the Coast Guard, the National Response Center and the Department of Transportation. The agency release date of March 1995 contains information on reported releases for the time period October 1986 through September 1994.

TBG Cogen, South Broadway, Hicksville: According to the data base report, TBG Cogen was identified on the ERNS data base. According to the report, the material reported spilled was 3 gallons of PCBs. The spill date was listed as August 7, 1992. This spill is listed twice in the data base report, which may be the result of reporting by two different agencies. The ERNS data base indicates the spill was a land release to "gravel and soil/also concrete foundation" but not to other media (i.e. air or water). No information was provided regarding

subsequent cleanup of the spill in the data base report. However, TBG Cogen is located 0.21 miles southwest of the North Runway site (downgradient), so it is not likely that the release would impact the North Runway site.

According to the data base report, no other sites were identified on the ERNS data base within the search radius of 3/8 of a mile.

RCRA Hazardous Waste - Large and Small Quantity Generators

The USEPA's RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. Facilities which report generation, storage, transportation, treatment or disposal of hazardous waste are identified on the RCRA facilities data base. The agency release date was October 1995. Facilities are identified as Large Quantity Generators if they generate at least 1,000 kg per month of nonacutely hazardous waste (or 1 kg per month of acutely hazardous waste). Facilities which generate less than 1,000 kg per month of nonacutely hazardous waste and greater than 100 kg are identified as RCRA Small Quantity Generators.

It should be noted that generators of hazardous waste in Nassau County are not only subject to the regulatory requirements of the NYSDEC's Hazardous Waste Management Program, but must also adhere to the very stringent management standards and design criteria addressing the overall management and storage of hazardous waste over a sole source aquifer as administered by the NCDOH. Overall, these include secondary containment structures for any designated storage areas along with stringent record keeping and administrative controls including the use of manifests for tracking the transportation and disposal of waste.

In addition to the GAC facility and the Ruco Polymer/Hooker Chemical Corporation site described previously, there are 25 RCRA Large and Small Quantity Generators within 3/8 of a mile of the North Runway site. It is important to note that the inclusion of a facility on this data base does not imply that there have been any violations or releases.

Section 5

5.0 FINDINGS

This section presents the findings of the Phase I Site Assessment and focuses on potential areas of environmental concern.

5.1 On-Site Indicators of Contamination

There were no indicators of contamination noted on-site during the site inspections conducted on March 7 and March 15, 1996.

5.2 Potential Areas of Environmental Concern

Based upon the findings of the Phase I Site Assessment, potential areas of environmental concern include the following:

- Locations of former thrust deflectors
- Groundwater quality (discussed in Section 5.3)

Locations of Former Thrust Deflectors

As discussed in Section 3, the site has been utilized as the north end of a runway for approximately 35 years. Thrust deflectors were previously located on the north, west and east sides of the end of the runway to provide for controlled deflection of jet exhaust. Constituents of concern contained in the exhaust from the incomplete combustion of jet fuel may have accumulated over the years in the soils adjacent to the thrust deflectors. Therefore, the areas around the thrust deflectors are potential areas of environmental concern.

5.3 Potential Off-Site Sources of Contamination

Based upon a review of available information, the site and surrounding areas have historically been associated with industrial activity. Degradation of groundwater quality in the area has been documented.

As discussed in Section 4, the extent of off-site contamination from the Ruco Polymer/Hooker Chemical site located upgradient to the northwest of the North Runway site has not been completely characterized. According to the NYSDEC Project Manager for the RI/FS of the GAC Bethpage Facility, additional monitoring wells have been installed north, west and northwest of the North Runway site as part of the continuing investigation of off-site impacts to groundwater from the Ruco Polymer Corporation site. According to the NYSDEC representative, these new wells were sampled early in 1996 and the analytical results of the groundwater samples will be available shortly. This additional information will help to determine whether the North Runway site may be impacted by prior releases at Ruco.

The NWIRP (Plant 3), identified in the data base report on the State Priorities List (SPL) data base, is located upgradient of the North Runway property for at least a portion of the year. The data base report indicated that the SPL status of the NWIRP was "remedial action pending/in progress." As indicated in Section 4, groundwater contamination from the NWIRP property has been documented, and a plume of groundwater contamination ("western" plume) has been identified in wells located in close proximity to the eastern boundary line of the North Runway site.

In addition, as discussed in Section 4, the USGS report summarizing the investigation of groundwater quality in the Bethpage-Hicksville-Levittown area identified the presence of a plume of groundwater contamination beneath and extending southward from the Ruco Polymer Corporation, NWIRP (Plant 3) and GAC Bethpage Facility sites. Maps delineating the areal extent of the plume indicate that the plume was present beneath the North Runway site in 1987. Therefore, groundwater quality on-site is a potential area of environmental concern.

Section 6

6.0 RECOMMENDATIONS

Based on the findings of the Phase I Site Assessment, this section provides recommendations for additional investigatory activities as part of a Phase II Site Assessment.

Locations of Former Thrust Deflectors

As discussed in Section 5, the soils adjacent to the locations of the thrust deflectors may have received accumulations of constituents of concern contained in jet engine exhaust over the 35-year time-frame that the airfield was actively used. Therefore, the areas around the thrust deflectors are potential areas of environmental concern. It is recommended that soil samples be collected at three locations on the east, west and north sides of the end of the runway at the locations of the former thrust deflectors. One soil sample should be collected at each location. Each soil sample should be obtained at a depth of 0 to 3 inches. The three soil samples should be analyzed for priority pollutant metals by Method 6010, fuel-related constituents by Method 310-13 and semivolatile organic compounds (SVOCs) by Method 8270.

Groundwater Quality

As discussed in Sections 4 and 5, the site is located downgradient of known sources of groundwater contamination. Previous investigations have documented groundwater contamination in the vicinity of and beneath the North Runway site. However, based on the findings of this Phase I Site Assessment, there do not appear to be any on-site sources of groundwater contamination. As a result, although groundwater degradation remains a potential environmental concern, previous and ongoing investigations have documented the source of this contamination to be from off-site, upgradient locations. Furthermore, ongoing investigations are expected to further delineate the existing groundwater contamination. In particular, the New York State Department of Environmental Conservation and the U.S. Environmental Protection Agency are involved in the active oversight of the remedial investigations, feasibility studies and the remediation of all operable units, including groundwater plumes associated with adjacent

properties. Therefore, further investigation and/or monitoring of groundwater does not appear to be warranted without any apparent evidence of on-site sources of groundwater contamination.

Appendix A

APPENDIX A

DELISTING PETITION APPROVAL LETTER

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233 - 7010

Langdon Marsh
Commissioner

SEP 30 1994

Mr. John Ohlmann
Director
Corporate Environmental Technology & Compliance
Grumman Aerospace Corp.
Mail Stop: D08-GHQ
Bethpage, New York 11714-3580

Re: Petition to modify portion of
Grumman Aerospace Corporation
Site No. 130003A, Site 6 (Runway),
Site 8 (Plant 12/East), and Plant 5,
Hicksville, New York 11801

Dear Mr. Ohlmann:

Commissioner Marsh has asked me to respond to your petitions of February 23 and February 26, 1993 requesting that the boundary of the subject site be modified (portion of) to exclude Site 6 (Runway), Site 8 (Plant 12/East) and Plant 5, at Hicksville, New York in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (The Registry). These petitions were originally denied (see enclosed letter dated September 29, 1993 and the original petition letter).

A fourth delist petition dated March 12, 1993 was included in the original delisting submittal and was approved for delisting on August 18, 1994.

Upon review of additional information that you have provided in a letter dated June 23, 1994 (copy enclosed), we agree that Site 6 (Runway), and Site 8 (Plant 12/East) can, indeed, be removed from consideration as part of Site No. 130003A. This letter is official notification that the Registry database has been modified to reflect this.

I regret to inform you, however, that your request to delist the Plant 5 area is denied, without prejudice to it being resubmitted, because it is insufficient per Subsection 375-1.9 (d)(1)(i).

J. OHLMANN

OCT 4 1994

Director Corporate Environmental Technology

Although you have responded to the "additional information requirements" stipulated in the September 29, 1993 correspondence from our office, new water table contour information received by our office in late May of 1994 coupled with the fact that Plant 5 is upgradient of USGS monitoring well N-10598, which historically has been severely contaminated with perchlorethene (PCE) at levels up to 1100 ppb, makes it difficult to rule out Plant 5 as the source of the PCE contamination. It is highly likely that the source of the aforementioned contamination in well N-10598 is a firm other than Grumman, but there is insufficient data to rule out Plant 5 as the source.

Additionally, Figure 4 (attached to the June 23, 1994 submittal) must be revised to indicate the correct direction of groundwater flow near Plant 5. The contour maps developed by Geraghty and Miller, Inc. should be used to correct this figure.

If we may be of further assistance regarding this matter, please contact Mr. John Barnes of my staff at (518) 457-3395.

Sincerely,

Michael J. O'Toole, Jr.
Director
Division of Hazardous Waste Remediation

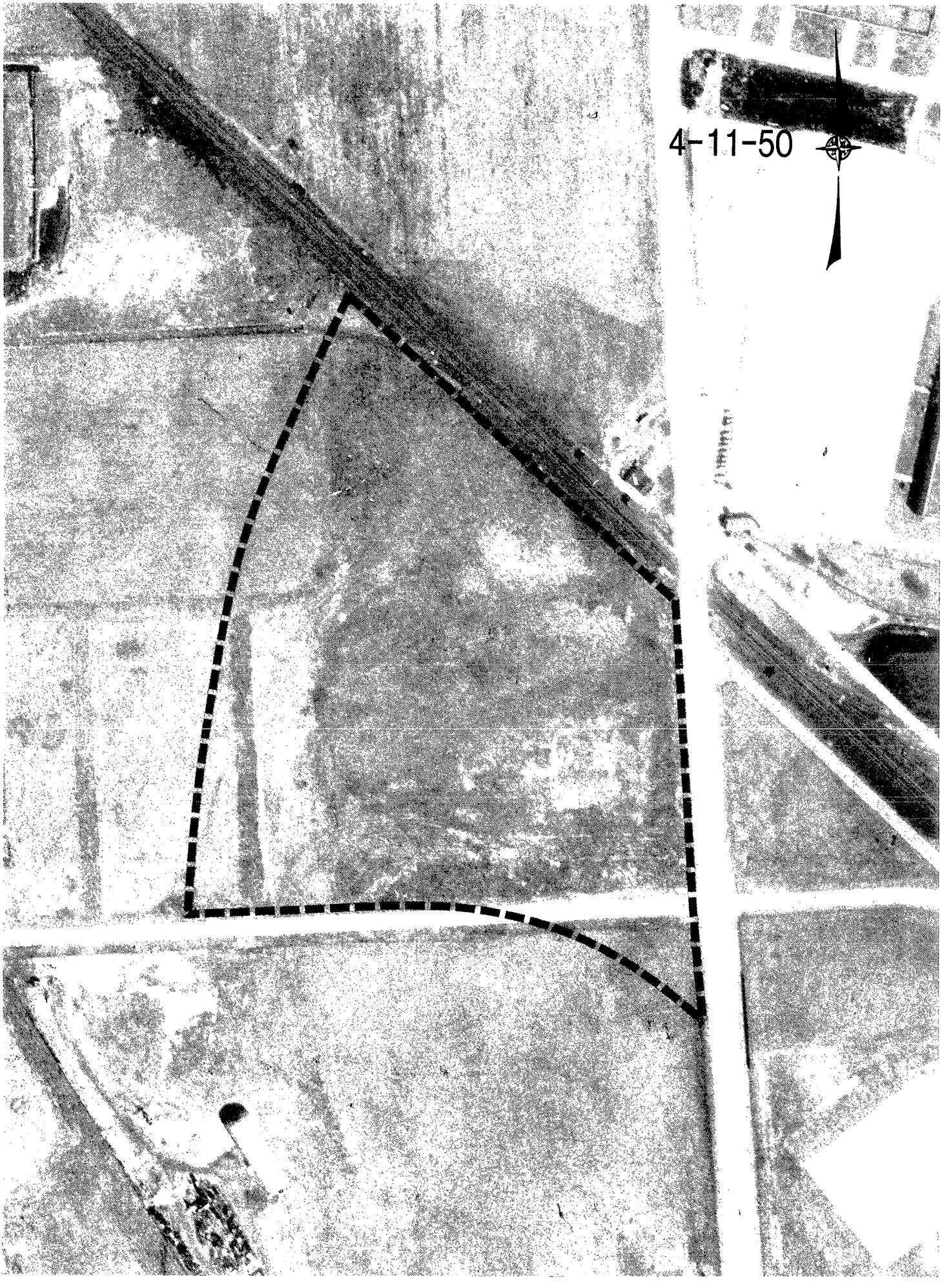
Enclosure

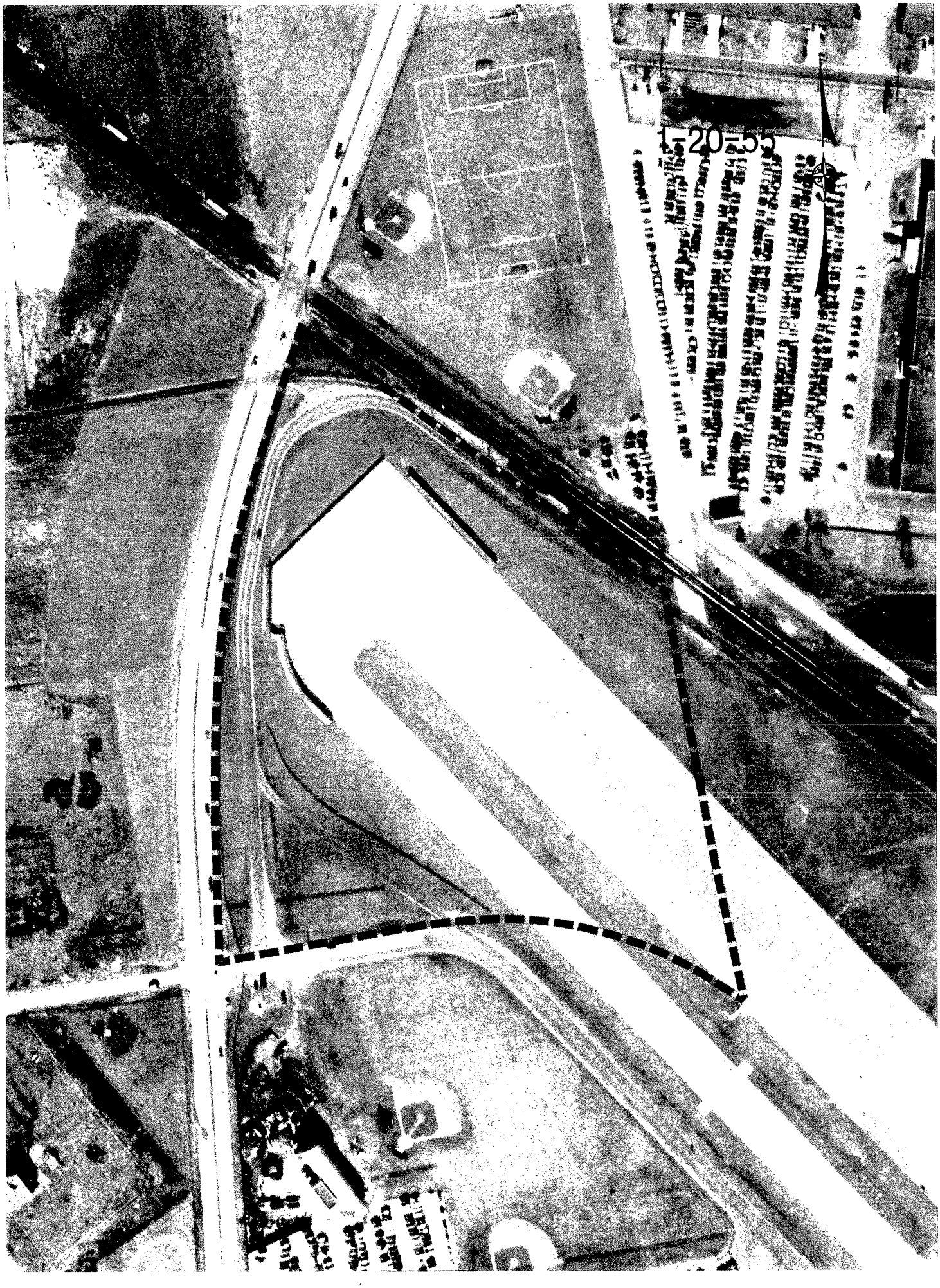
cc: Langdon Marsh

Appendix B

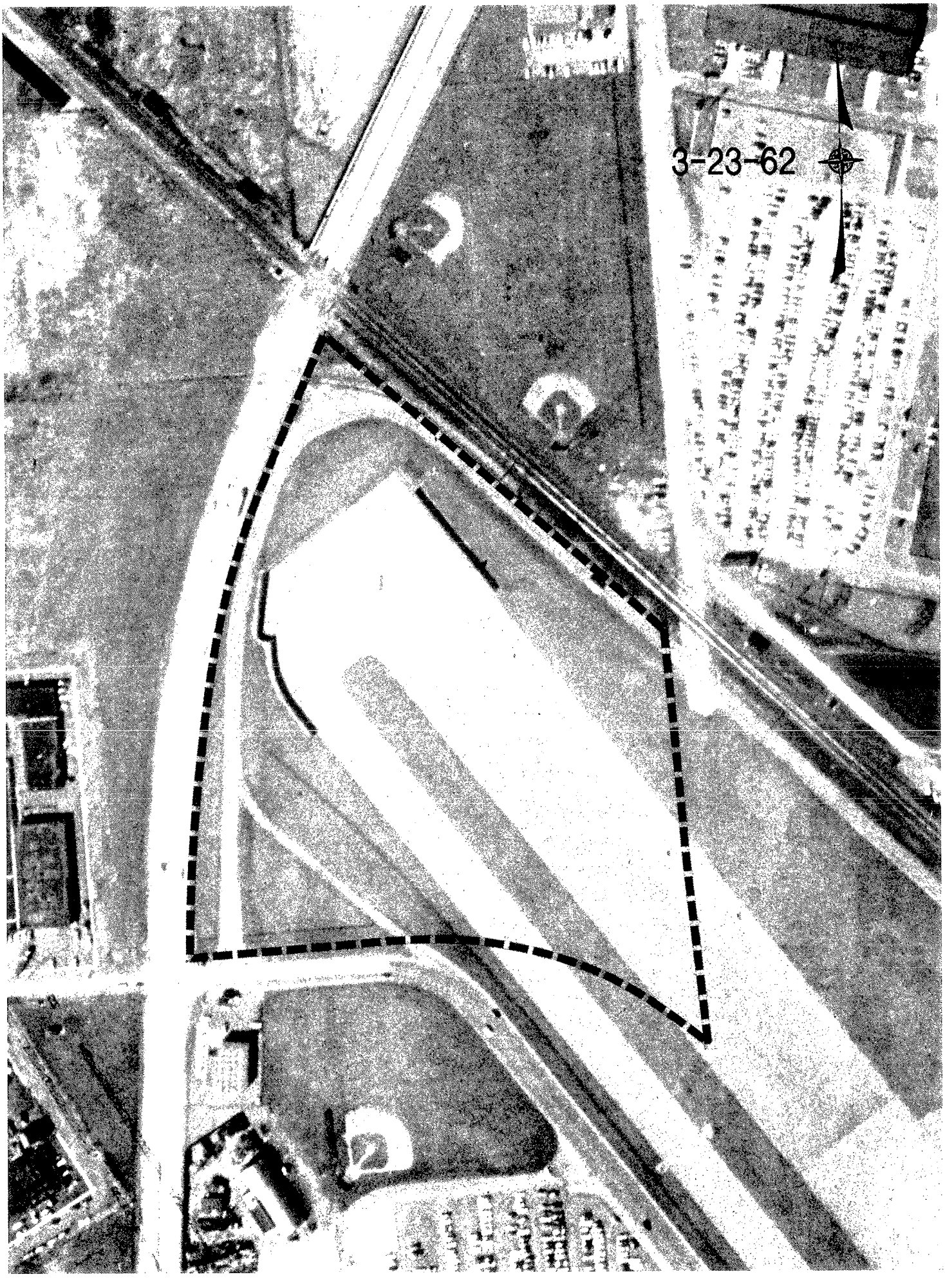
APPENDIX B

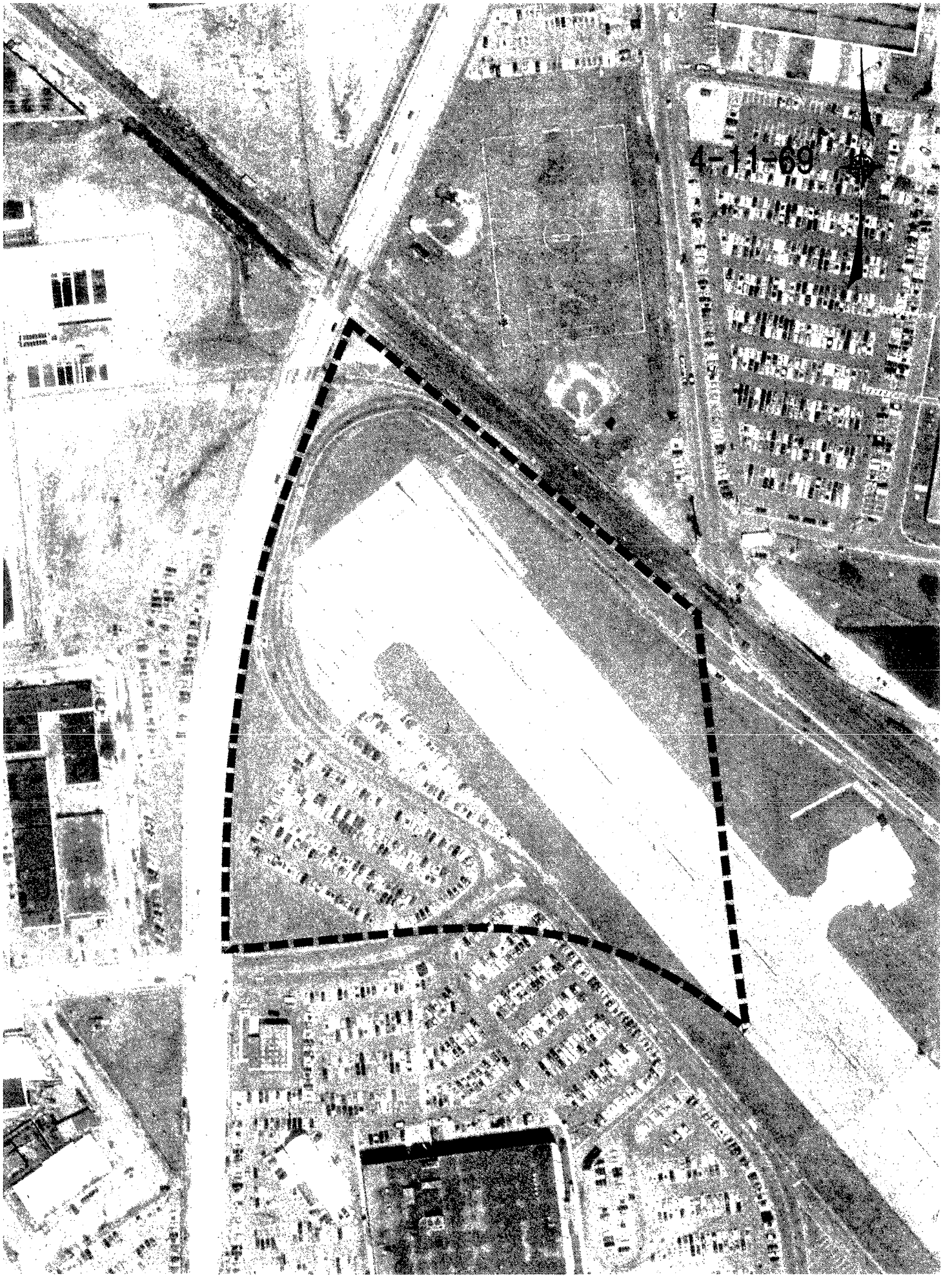
AERIAL PHOTOGRAPHS

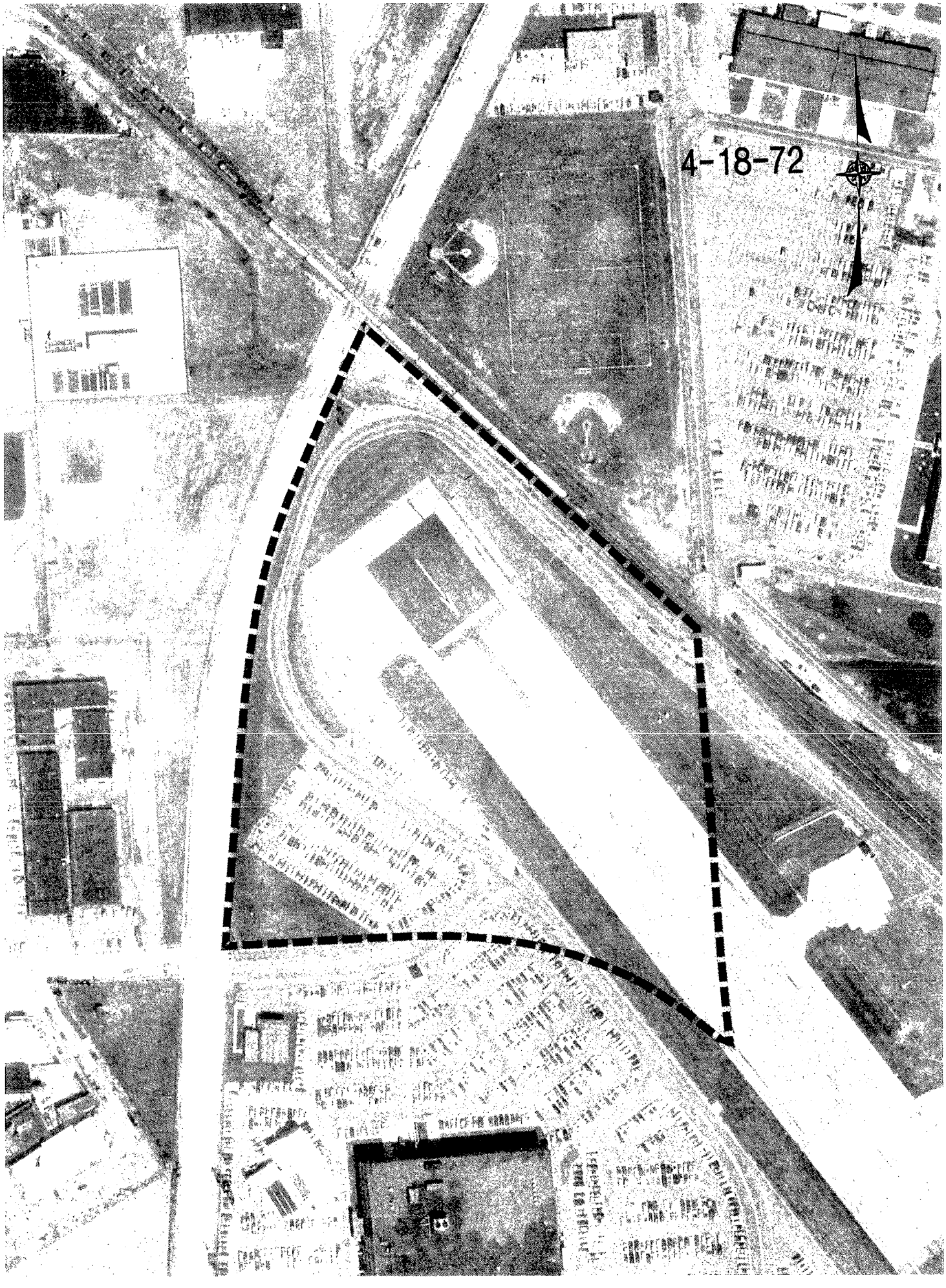

4-11-50

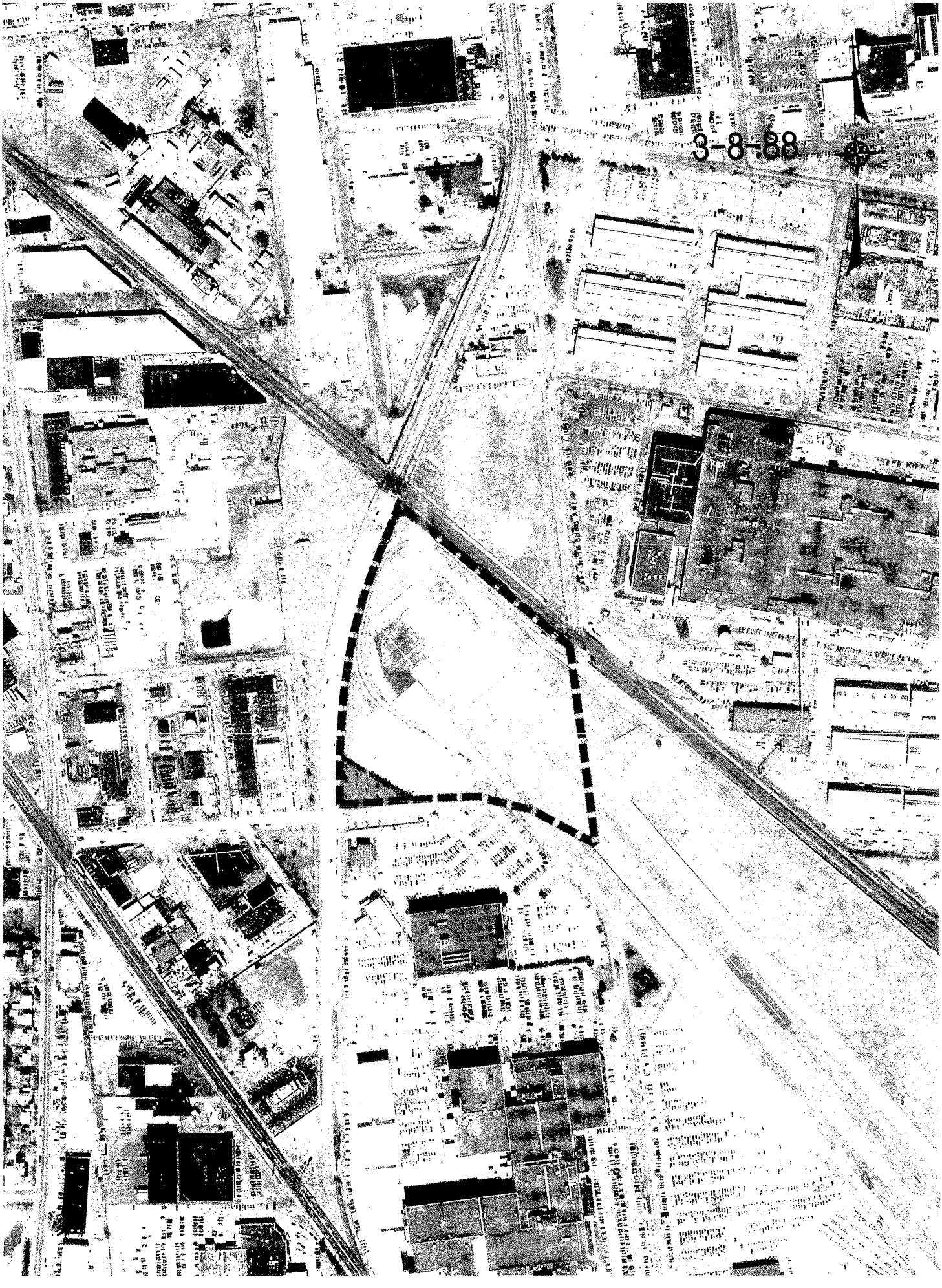

1-20-55

1-24-57


3-23-62


4-11-69


4-18-72


3-8-88

Appendix C

APPENDIX C

ENVIRONMENTAL DATA BASE SEARCH

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

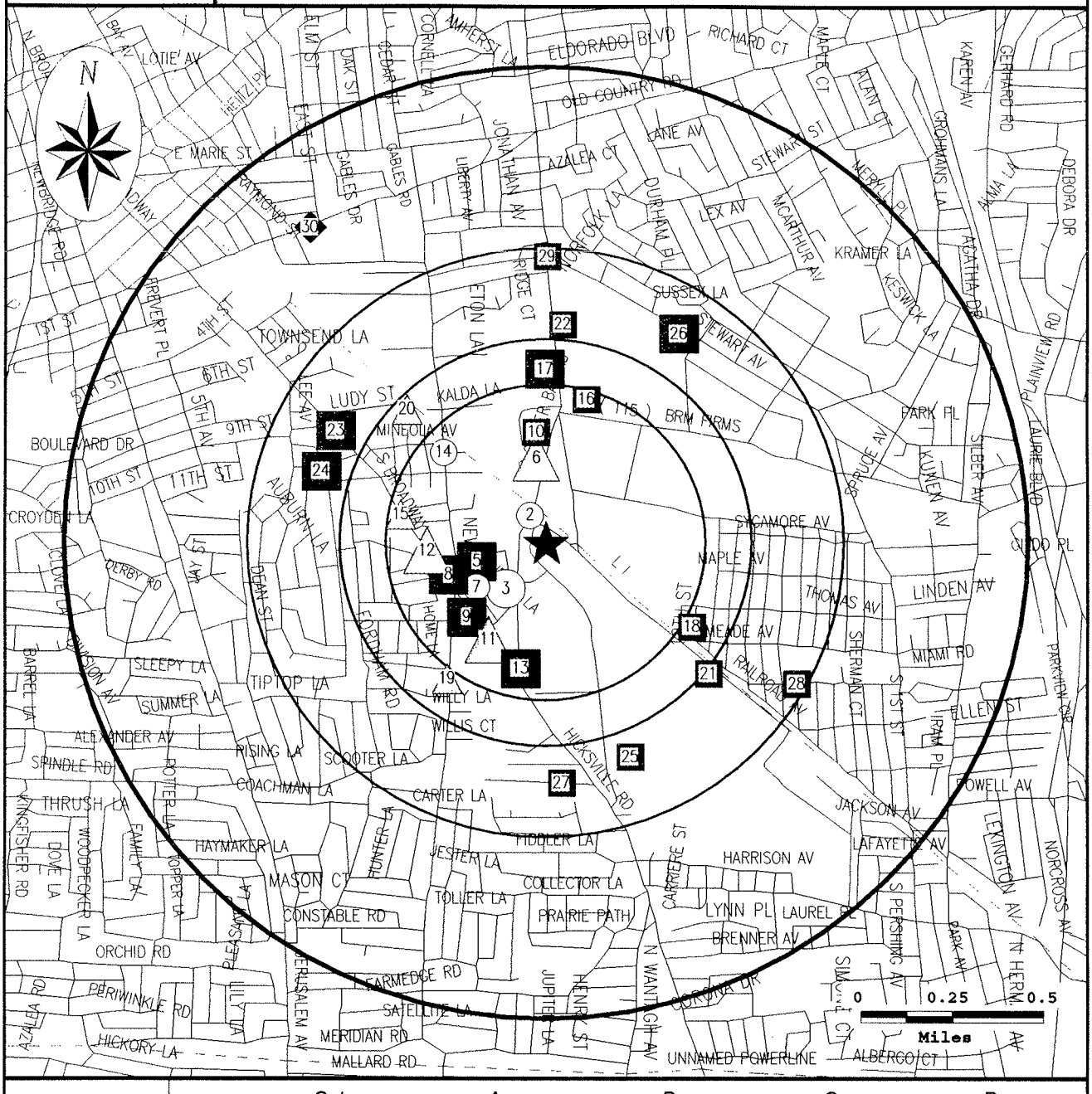
PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: 1167-PP GRUMMAN AEROSPACE CORP- E OF S OYSTER BAY RD EXT/S OF LONG ISLAN BETHPAGE, NY 11714 Latitude/Longitude: (40.753022, 73.500909)	CLAIRE WERNER DVIRKA BARTILUCCI-WOODBURY 330 CROSSWAYS PARK DR WOODBURY, NY 11797-2015

Site Distribution Summary Agency / Database - Type of Records			*within 3/8 mile*	*3/8 to 1/2 mile*	*1/2 to 3/4 mile*	*3/4 to 1 1/4 miles*
A) Databases searched to 1 1/4 miles:						
US EPA	NPL	National Priority List	1	0	0	0
US EPA	CORRACTS	RCRA Corrective Actions	2	0	0	1
US EPA	TSD	RCRA permitted treatment, storage, disposal facilities	1	0	0	1
STATE	SPL	State equivalent priority list	2	0	0	0
B) Databases searched to 3/4 mile:						
US EPA	CERCLIS	Sites under review by US EPA	2	0	0	-
STATE REG CO	LUST	Leaking Underground Storage Tanks	13	3	12	-
STATE/ REG/CO	SWLF	Permitted as solid waste landfills, incinerators, or transfer stations	0	0	0	-
C) Databases searched to 1/2 mile:						
US EPA	RCRA Viol	RCRA violations/enforcement actions	0	0	-	-
US EPA	TRIS	Toxic Release Inventory database	2	0	-	-
STATE	UST/AST	Registered underground or aboveground storage tanks	11	2	-	-
D) Databases searched to 3/8 mile:						
US EPA	ERNS	Emergency Response Notification System of spills	2	-	-	-
US EPA	GNRTR	RCRA registered small or large generators of hazardous waste	27	-	-	-

This geographic database search meets the American Society for Testing Materials (ASTM) standards for a government records review. A (-) indicates the search distance exceeds ASTM search parameters.

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

Map of Sites within One and One-Quarter Miles



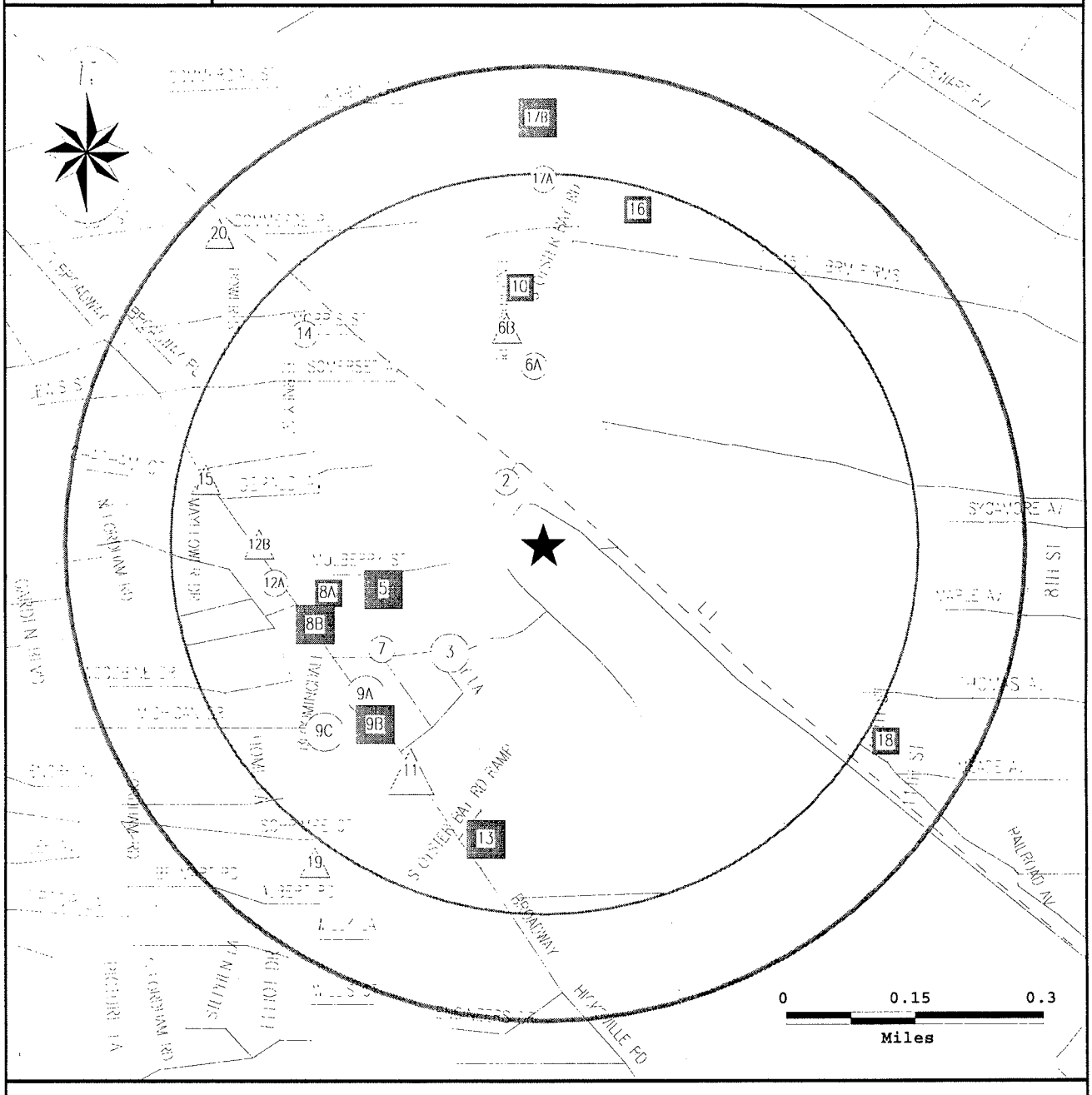
For More Information Call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403**

Report ID: **098881-001**

Date of Report: **March 7, 1996**

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

Map of Sites within Half Mile



Category:	A	B	C	D
Databases Searched to:	1 1/4 mi.	3/4 mi.	1/2 mi.	3/8 mi.
Single Sites	◆	■	△	○
Multiple Sites	◆	■	△	○
	NPL, SPL, SCL, TSD, CORRACTS	CERCLIS, LUST, SWLF	RCRA VIOL, TRIS, UST	ERNS, GENERATORS

Subject Site ★

Roads
Highways
Railroads
Rivers or Water Bodies
Utilities

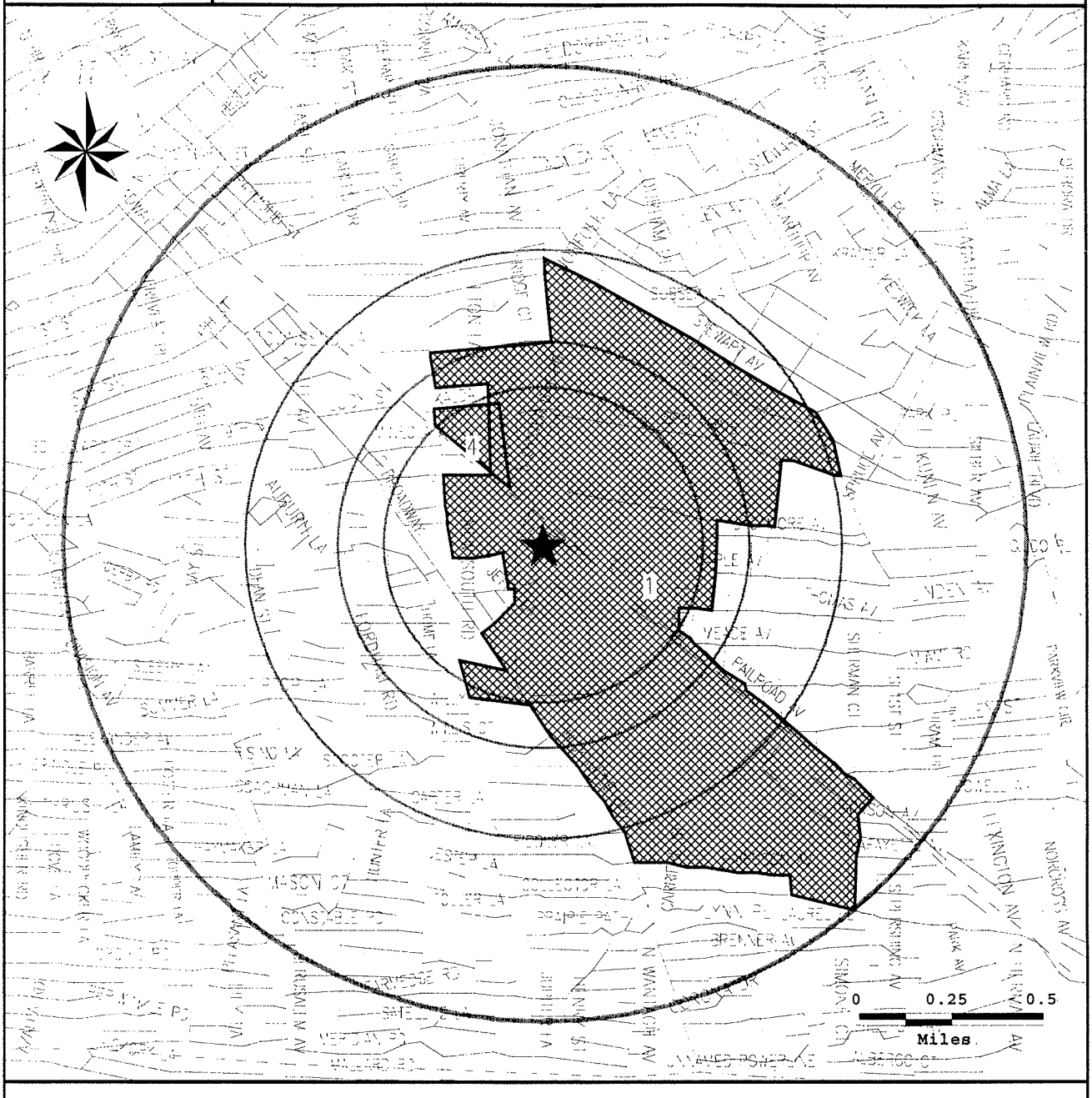
For More Information Call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403**

Report ID: **098881-001**

Date of Report: **March 7, 1996**

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

Sites Represented as Polygons



These boundaries are approximated from agency records or other sources such as published maps. They may represent property boundaries, impact zones, or study areas.

For more information contact the agency referenced by source number in the site listing.

★ Subject Site

Roads
Highways
Railroads
Rivers or Water Bodies
Utilities

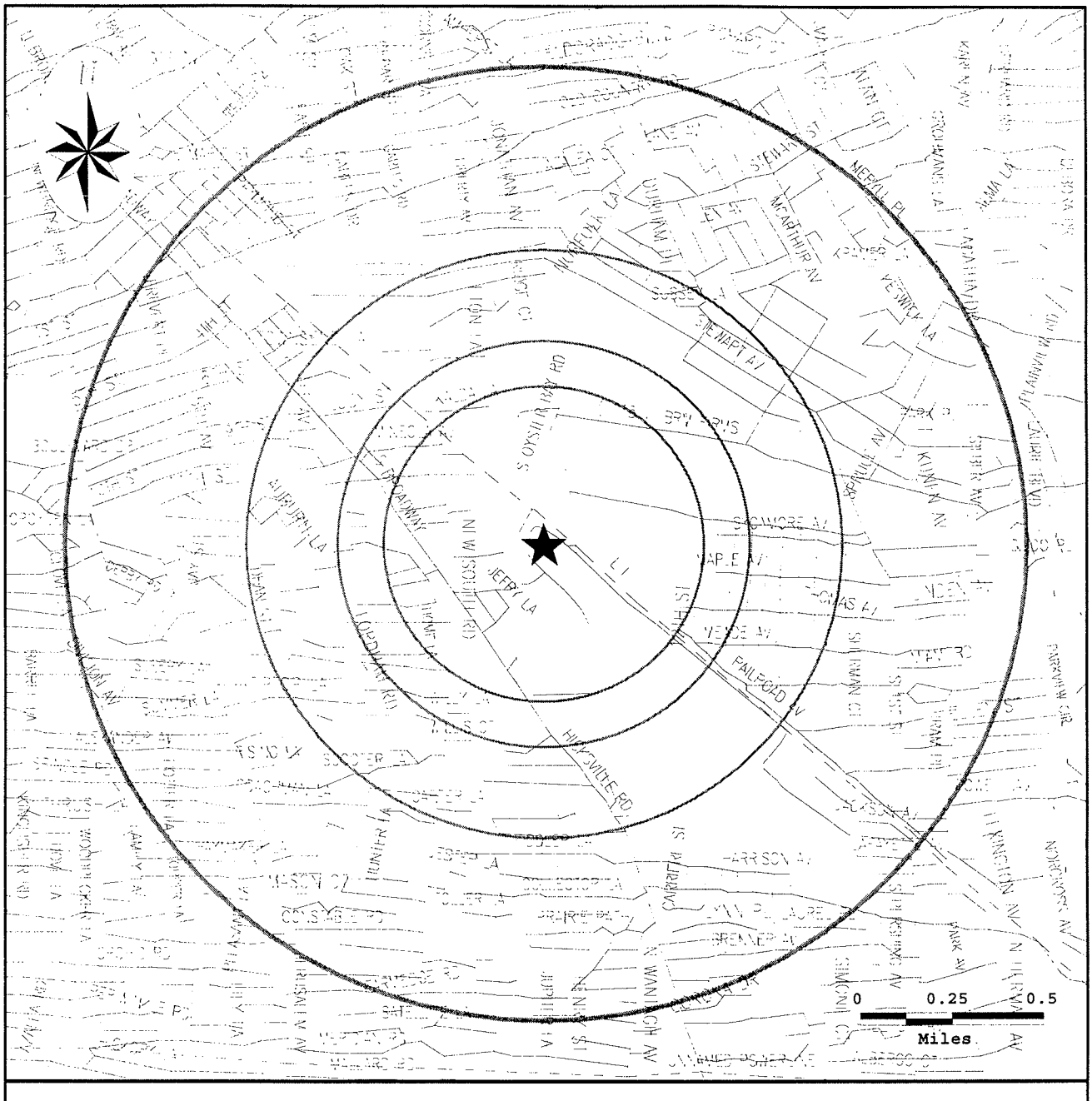
For More Information Call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403**

Report ID: **098881-001**

Date of Report: **March 7, 1996**

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

Street Map



Subject Site

Roads, Highways, Rivers, Water Bodies

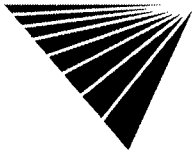
Railroads, Utilities

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

SITE INVENTORY

MAP ID	PROPERTY AND THE ADJACENT AREA (within 3/8 mile)	VISTA ID DISTANCE DIRECTION	A				B			C				D	
			NPL	CORRACTS	TSD	SPL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST		ERNS	GNRTR
1	NORTHROP GRUMMAN STEWART AVENUE BETHPAGE, NY 11714	5704994 0.00 MI						X							
1	GRUMMAN AEROSPACE CORP SOUTH OYSTER BAY RD BETHPAGE, NY 11714	3624600 0.00 MI		X	X		X	X				X			X
1	GRUMMAN AEROSPACE GRUMMAN AEROSPACE BETHPAGE, NY 11714	1337762 0.00 MI						X							
1	GRUMMAN AEROSPACE-BETHPAGE FACILITY STEWART AVENUE BETHPAGE, NY 11714	2495698 0.00 MI				X									
1	GRUMMAN STEWART AVENUE BETHPAGE, NY 11714	181974 0.00 MI						X			X	X			
1	GRUMMAN GRUMMAN PLANT #17 BETHPAGE, NY 11714	2720226 0.00 MI						X							
2	MINEOLA MACK INC 880 S OYSTER BAY RD HICKSVILLE, NY 11801	1269828 0.03 MI NW													X
3	BLUE FLAME 17 HAZEL STREET HICKSVILLE, NY 11801	51185 0.09 MI SW													X
3	NATIONAL METAL SPRAYING 40 JEFRY LN HICKSVILLE, NY 11801	290803 0.12 MI SW													X
4	RUCO POLYMER CORPORATION NEW SOUTH ROAD HICKSVILLE, NY 11801	362950 0.12 MI	X	X		X	X	X			X	X			X
5	NASSAU BLUE FLAME INC 3 WASHINGTON PKWY HICKSVILLE, NY 11801	5362984 0.13 MI W										X			
5	BLUE FLAME 3 WASHINGTON PARKWAY HICKSVILLE, NY 11801	2739921 0.13 MI W						X							
6A	GENERAL ELECTRIC SUPPLY CO. 848 S. OYSTER BAY ROAD HICKSVILLE, NY 11801	3929118 0.15 MI N													X
6B	COLONIAL TRANSPARENT 870 SO. OYSTER BAY ROAD HICKSVILLE, NY 11801	94203 0.20 MI N										X			

MAP ID	PROPERTY AND THE ADJACENT AREA (within 3/8 mile)	VISTA ID DISTANCE DIRECTION	A				B			C			D	
			NPL	CORRACTS	TSD	SPL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
7	DC FEMIA AUTO COLLISION 44 WASHINGTON PKWY HICKSVILLE, NY 11801	*115799* *0.16 MI* *SW*												X
8A	BERTAN ASSOCIATES INC 121 NEW SOUTH ROAD HICKSVILLE, NY 11801	*45505* *0.20 MI* *W*						X				X		X
8B	CENTURY COLLISION, INC. 321 NEW SOUTH ROAD HICKSVILLE, NY 11801	*75702* *0.21 MI* *W*												X
8B	ERM NORTHEAST 335 NEW SOUTH ROAD HICKSVILLE, NY 11801	*3506484* *0.21 MI* *W*						X						
8B	A. ERNIES AUTO BODY INC. 870 SOUTH BROADWAY HICKSVILLE, NY 11801	*487996* *0.23 MI* *W*												X
8B	FIRESTONE SAVMOR AUTO SVC. 870 SO. BROADWAY HICKSVILLE, NY 11801	*152002* *0.23 MI* *W*												X
8B	M G M TOWING AUTOMOTIVE 870 S BROADWAY - FRONT OF BLDG HICKSVILLE, NY 11801	*3084188* *0.23 MI* *W*												X
8B	TRUE AUTO RESTORATIONS INC 870 S BROADWAY - E SECTION HICKSVILLE, NY 11801	*3084193* *0.23 MI* *W*												X
9A	T B T COGEN 939 SOUTH BROADWAY HICKSVILLE, NY 11801	*200002374* *0.21 MI* *SW*											X	
9A	T B T COGEN 939 SOUTH BROADWAY HICKSVILLE, NY 11801	*200006075* *0.21 MI* *SW*											X	
9B	C D TYPE SETTERS INC 960 SOUTH BROADWAY HICKSVILLE, NY 11801	*74448* *0.22 MI* *SW*												X
9B	SAL MIKE REALTY 980 HICKSVILLE RD BETHPAGE, NY 11714	*3918631* *0.22 MI* *SW*												X
9B	AVIS CAR RENTAL 980 SOUTH BROADWAY BETHPAGE, NY 11714	*1118893* *0.23 MI* *SW*						X						
9B	T B G COGEN PARTNERS 939 S BROADWAY HICKSVILLE, NY 11801	*1275656* *0.24 MI* *SW*										X		X
9C	PHOTO WORKS 25 BLUMINGDALE ROAD HICKSVILLE, NY 11801	*329705* *0.26 MI* *SW*												X
9C	YALE RADIATOR AUTO REPAIR 37 BLOOMINGDALE RD HICKSVILLE, NY 11801	*1128375* *0.29 MI* *SW*												X
10	GRUMMAN AEROSPACE BLDG 28 BETHPAGE, NY 11714	*5308133* *0.24 MI* *N*						X						



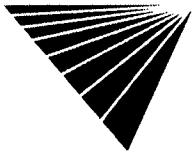
X = search criteria; • = tag-along (beyond search criteria).
For more information call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403.**
Report ID: **098881-001** Date of Report: **March 7, 1996**
Version 2.4.1 *Page #7*

MAP ID	PROPERTY AND THE ADJACENT AREA (within 3/8 mile)	VISTA ID DISTANCE DIRECTION	A				B			C			D	
			NPL	CORRACTS	TSD	SPL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
11	TEXACO U.S.A.-A DIV. OF TEXACO INC. 1000 SOUTH BROADWAY HICKSVILLE, NY 11801	421625 0.24 MI SW												X
11	U HAUL CO OF METRO NY 1000 BROADWAY HICKSVILLE, NY 11801	5361223 0.25 MI SW										X		
12A	CORAL GRAPHIC SERVICES INC 840 S BROADWAY HICKSVILLE, NY 11801	5538868 0.26 MI W												X
12B	THE BANK OF NEW YORK 801 SOUTH BROADWAY HICKSVILLE, NY 11801	5361219 0.27 MI W										X		
13	MOBIL OIL CORP SS KWT 325 S OYSTER BAY RD PLAINVIEW, NY 11803	3087450 0.28 MI S												X
13	ALPIAN II CLEANERS 339 S OYSTER BAY RD PLAINVIEW, NY 11803	262775 0.28 MI S												X
13	JOHNS SOUTH BAY MOBIL 755 S OYSTER BAY RD BETHPAGE, NY 11714	127057 0.30 MI S						X				X		X
13	MERRY OLDS INC 777 SOUTH OYSTER BAY ROAD BETHPAGE, NY 11714	268888 0.30 MI S												X
14	HICKSVILLE DEPT OF PUBLIC WORKS NEW SOUTH RD MORRIS ST HICKSVILLE, NY 11801	1270256 0.31 MI NW												X
15	KING BEAR AUTO SERVICE CENTER 735 SOUTH BROADWAY HICKSVILLE, NY 11801	228893 0.34 MI W										X		X
16	GRUMMAN BLDG #15 BETHPAGE, NY 11714	4111075 0.35 MI N						X						
17A	NEW YORK TELEPHONE ROOM 300 920 SOUTH OYSTER BAY ROAD BETHPAGE, NY 11714	296542 0.37 MI N												X

MAP ID	SITES IN THE SURROUNDING AREA (within 3/8 - 1/2 mile)	VISTA ID DISTANCE DIRECTION	A				B			C			D	
			NPL	CORRACTS	TSD	SPL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
17B	GRUMMAN AEROSPACE BLDG 115 BETHPAGE, NY 11714	4111072 0.42 MI N						X						
17B	GRUMMAN AEROSPACE BUILDING 116-01-1 BETHPAGE, NY 11714	4111065 0.46 MI N						X						

MAP ID	SITES IN THE SURROUNDING AREA (within 3/8 - 1/2 mile) VISTA ID DISTANCE DIRECTION	A				B			C			D	
		NPL	CORRACTS	TSD	SPL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
18	AL ANDRIANO RESIDENCE 159 12TH STREET BETHPAGE, NY 11714 *3911181* *0.40 MI* *SE*						X						
19	BRADCO SUPPLY CORP. 85 BLOOMINGDALE ROAD HICKSVILLE, NY 11801 *5310561* *0.40 MI* *SW*										X		
20	U.S. POSTAL VEHICLE MAINT 109 LUDY ST. HICKSVILLE, NY 11801 *5361995* *0.46 MI* *NW*										X		

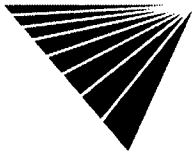
MAP ID	SITES IN THE SURROUNDING AREA (within 1/2 - 3/4 mile) VISTA ID DISTANCE DIRECTION	A				B			C			D	
		NPL	CORRACTS	TSD	SPL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
21	GRUMMAN AEROSPACE BUILDING 04-01-1 BETHPAGE, NY 11714 *4111074* *0.51 MI* *SE*						X						
22	GETTY PETROLEUM CORP 723 S OYSTER BAY RD PLAINVIEW, NY 11803 *2729523* *0.54 MI* *N*						X						•
23	HESS S/S 575 SOUTH BROADVIEW HICKSVILLE, NY *3504091* *0.55 MI* *W*						X						
23	AMERADA HESS STATION 32489 502 S BROADWAY HICKSVILLE, NY 11801 *3693147* *0.62 MI* *NW*						X						•
24	WALTER HOFFMANN 22 LINDEN BLVD HICKSVILLE, NY 11801 *2723914* *0.57 MI* *W*						X						
24	LINDA SCHWARZ 12 FARM LANE HICKSVILLE, NY 11801 *2719231* *0.59 MI* *W*						X						
25	GRUMMAN AEROSPACE BUILDING #2 GRUMMAN BETHPAGE, NY 11714 *4111070* *0.57 MI* *SE*						X						
26	GRUMMAN AEROSPACE BLDG 111 BETHPAGE, NY 11714 *4111064* *0.60 MI* *NE*						X						
26	METRO S/S 900 STEWART AVENUE BETHPAGE, NY 11714 *2737175* *0.64 MI* *NE*						X						
27	SLOMINS INC 125 LAUMAN LANE HICKSVILLE, NY 11801 *383950* *0.60 MI* *S*						X				•		•
28	NYNEX VEHICLE SHERMAN AVE/SO 6TH STREET BETHPAGE, NY 11714 *5162244* *0.72 MI* *SE*						X						



X = search criteria; • = tag-along (beyond search criteria).
For more information call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403.**
Report ID: **098881-001** Date of Report: **March 7, 1996**
Version 2.4.1 *Page #9*

MAP ID	SITES IN THE SURROUNDING AREA (within 1/2 - 3/4 mile)	VISTA ID / DISTANCE / DIRECTION	A				B			C			D	
			NPL	CORRACTS	TSD	SPL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
29	MOBIL OIL SO OYSTER BAY STEWART A BETHPAGE, NY 11714	2737156 0.72 MI N						X						

MAP ID	SITES IN THE SURROUNDING AREA (within 3/4 - 1 1/4 miles)	VISTA ID / DISTANCE / DIRECTION	A				B			C			D	
			NPL	CORRACTS	TSD	SPL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
30	LILCO/HICKSVILLE OPERATING CENTER 175 EAST OLD COUNTRY RD HICKSVILLE, NY 11801	360912 1.01 MI NW		X	X					•				•



X = search criteria; • = tag-along (beyond search criteria).
For more information call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403.**
Report ID: **098881-001** Date of Report: **March 7, 1996**
Version 2.4.1 *Page #10*

UNMAPPED SITES	VISTA ID	A				B			C			D	
		NPL	CORRACTS	TSD	SPL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
BEECHWOOD , NY	5619464							X					
H.B.MATTLIN MIDDLE SCHOOL WASHINGTON STREET PLAINVIEW, NY 11803	5362982										X		
BETHPAGE SCH.BUS GARAGE BROADWAY BETHPAGE, NY 11714	5361191										X		
JOHN F. KENNEDY JR. HIGH BROADWAY BETHPAGE, NY 11714	5361192										X		
NAVAL WEAPONS IND. RESERVE PLANT STEWART AVENUE BETHPAGE, NY 11714	4123188				X								
OLD WESTBURY SWMF , NY	5619800							X					
DUFFY AVENUE , NY	5619554							X					
PLANDOME (V) , NY	5619817							X					
GREAT NECK T.S. (V) , NY	4898181							X					
NAVAL WEAPONS INDUSTRIAL RESERVE PLA SOUTH OYSTER BAY ROAD BETHPAGE, NY 11714	3624601					X							
GARVIES POINT SLF , NY	5619635							X					
ROCKVILLE CENTER T.S. , NY	3502530							X					
TARTAN OIL SO OSYTER BAY ROAD HICKSVILLE, NY	3506654						X						
V G RUBBISH REMOVAL , NY	5619935							X					
AGO ASSOCIATES , NY	5619437							X					
PLAINVIEW COMM PARK WASHINGTON BLVD PLAINVIEW, NY 11803	2496250						X						
WARREN BROTHERS/COES NECK , NY	5619964							X					

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

DETAILS

PROPERTY AND THE ADJACENT AREA (within 3/8 mile)

VISTA Address*:	NORTHROP GRUMMAN STEWART AVENUE BETHPAGE, NY 11714	VISTA ID#:	5704994
		Distance	0.00 MI
		Plotted as:	Polygon

Map ID **1**

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	9506041

Agency Address:	*NORTHROP GRUMMAN STEWART AVENUE BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*AUGUST 16, 1995*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE OPEN*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

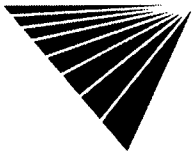
VISTA Address*:	GRUMMAN AEROSPACE CORP SOUTH OYSTER BAY RD BETHPAGE, NY 11714	VISTA ID#:	3624600
		Distance	0.00 MI
		Plotted as:	Polygon

Map ID **1**

CERCLIS / SRC# 2739	EPA ID:	NYD002047967

Agency Address:	*SAME AS ABOVE*
NPL Status:	*NOT A PROPOSED, CURRENT, OR DELETED NPL SITE*
Site Ownership:	*OTHER*
Lead Agency:	*NO DETERMINATION*
Site Description:	*NOT REPORTED*

Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
DISCOVERY	*EPA FUND-FINANCED*	*UNKNOWN*	*NOT REPORTED*	*DECEMBER 1, 1979*
PRELIMINARY ASSESSMENT	*EPA FUND-FINANCED*	*NO FURTER REMEDIAL ACTION PLANNED*	*NOT REPORTED*	*JANUARY 1, 1980*



*** VISTA address includes enhanced city and ZIP.**
For more information call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403.**
Report ID: **098881-001** Date of Report: **March 7, 1996**
Version 2.4.1 *Page #12*

CORRACTS / SRC# 2685	EPA ID:	NYD002047967
Agency Address:	*GRUMMAN AEROSPACE CORP SOUTH OYSTER BAY ROAD BETHPAGE, NY 11714*	
Prioritization Status:	*HIGH*	
RCRA Facility Assessment Completed:	*YES*	
Notice of Contamination:	*NO*	
Determination of need For a RFI (RCRA Facility Investigation):	*NO*	
RFI Imposed:	*YES*	
RFI Workplan Notice of Deficiency Issued:	*NO*	
RFI Workplan Approved:	*YES*	
RFI Report Received:	*NO*	
RFI Approved:	*YES*	
No Further Corrective Action at this Time:	*NO*	
Stabilization Mesaures Evaluation:	*YES*	
CMS (Corrective Measure Study) Imposition:	*NO*	
CMS Workplan Approved:	*YES*	
CMS Report Received:	*NO*	
CMS Approved:	*YES*	
Date for Remedy Selection (CM Imposed):	*NO*	
Corrective Measures Design Approved:	*NO*	
Corrective Measures Investigation Workplan Approved:	*NO*	
Certification of Remedy Completion:	*NO*	
Stabilization Measures Implementation:	*YES*	
Stabilization Measures Completed:	*NO*	
Corrective Action Process Termination:	*NO*	

RCRA-TSD / SRC# 2685	EPA ID:	NYD002047967
Agency Address:	*GRUMMAN AEROSPACE CORP SOUTH OYSTER BAY ROAD BETHPAGE, NY 11714*	
Off-Site Waste Received:	*NO*	
Land Disposal:	*NO*	
Incinerator:	*NO*	
Storage/Treatment:	*NO*	

RCRA-LgGen - RCRA-Large Generator / SRC# 2685	EPA ID:	NYD002047967
Agency Address:	*GRUMMAN AEROSPACE CORP SOUTH OYSTER BAY ROAD BETHPAGE, NY 11714*	
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*	

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	9207215

Agency Address:	*GRUMMAN AEROSPACE* *SO OYSTER BAY RD BLDG #1* *BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*APRIL 16, 1991*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE OPEN*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	9206528

Agency Address:	*GRUMMAN* *SO OYSTER BAY ROAD* *BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*JULY 12, 1993*
Media Affected:	*GROUNDWATER*
Substance:	*DIESEL*
Quantity (Units):	*5.0 (GALLONS)*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	9100585

Agency Address:	*GRUMMAN* *OYSTER BAY ROAD* *BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MAY 25, 1989*
Media Affected:	*GROUNDWATER*
Substance:	*DIESEL*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

AST - Above Ground Storage Tank / SRC# 2736	Agency ID:	1-000156

Agency Address:	*GRUMMAN AEROSPACE CORPORATION* *S. OYSTER BAY ROAD* *BETHPAGE, NY 11714*
Underground Tanks:	*NOT REPORTED*
Aboveground Tanks:	*1*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*500 (GALLONS)*	**Tank Material:**	*CARBON STEEL*

VISTA Address*:	**GRUMMAN AEROSPACE** **GRUMMAN AEROSPACE** **BETHPAGE, NY 11714**	VISTA ID#: Distance Plotted as:	1337762 0.00 MI Polygon	Map ID **1**

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737 — Agency ID: 8707733

Agency Address:	*GRUMMAN AEROSPACE* *GRUMMAN AEROSPACE* *BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*JUNE 29, 1993*
Media Affected:	*GROUNDWATER*
Substance:	*DIESEL*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE OPEN*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	**GRUMMAN AEROSPACE-BETHPAGE FACILITY** **STEWART AVENUE** **BETHPAGE, NY 11714**	VISTA ID#: Distance Plotted as:	2495698 0.00 MI Polygon	Map ID **1**

SPL - State Equivalent Priority List / SRC# 2566 — EPA ID: NYD002047967; Agency ID: 130003A

Agency Address:	*SAME AS ABOVE*
Facility Type:	*LAGOON,LANDFILL*
Lead Agency:	*NOT AVAILABLE*
State Status:	*REMEDIAL ACTION PENDING/IN PROGRESS*
Pollutant 1:	*CHROMIUM OTHER*
Pollutant 2:	*PAINT SLUDGE*
Pollutant 3:	*METALS/RELATED SUBSTANCES*
Fields Not Reported:	*Status*

VISTA Address*:	GRUMMAN STEWART AVENUE BETHPAGE, NY 11714	VISTA ID#: Distance Plotted as:	181974 0.00 MI Polygon

Map ID **1**

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	9211482

Agency Address:	*GRUMMAN STEWART AVENUE BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*JULY 20, 1992*
Media Affected:	*GROUNDWATER*
Substance:	*DIESEL*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	9204511

Agency Address:	*GRUMMAN PLANT #20 STEWART AVE BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*AUGUST 11, 1994*
Media Affected:	*GROUNDWATER*
Substance:	*DIESEL*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE OPEN*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	9100911

Agency Address:	*GRUMMAN CORP STEWART AVE BLDG 30 BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MARCH 16, 1994*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	9406455

Agency Address:	*GRUMMAN BLDG #3 STEWART AVE BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*JUNE 2, 1993*
Media Affected:	*GROUNDWATER*
Substance:	*WASTE OIL*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE OPEN*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	9402644

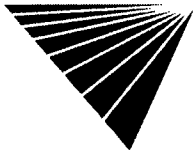
Agency Address:	*GRUMMAN CORP OPERATIONS STEWART AVENUE BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MAY 26, 1993*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	9302825

Agency Address:	*GRUMMAN AEROSPACE STEWART AVE PLANT #24 BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MAY 25, 1993*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*NON-COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

AST - Above Ground Storage Tank / SRC# 2304	Agency ID:	000001

Agency Address:	*GRUMMAN AEROSPACE CORP. STEWART AVE. BETHPAGE, NY*
Underground Tanks:	*1*
Aboveground Tanks:	*1*
Tanks Removed:	*NOT REPORTED*



Tank ID:	*001U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*MOTOR OIL*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*275 (GALLONS)*	**Tank Material:**	*STEEL*
Tank ID:	*001U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*DOUBLE WALLED FIBERGLASS*
Tank Size (Units):	*10000 (GALLONS)*	**Tank Material:**	*STEEL*

TRIS - Toxic Release Inventory System / SRC# 2587 | EPA ID: NYD002047967

Agency Address: *GRUMMAN AEROSPACE CORP.*
1111 STEWART AVE.
BETHPAGE, NY 117143580

Chemical Abstract Service Registry:	Quantity Released:
TRICHLOROETHYLENE	*158843.00 (POUNDS)*
NITRIC ACID	*18957.00 (POUNDS)*
1,1,1-TRICHLOROETHANE	*80962.00 (POUNDS)*
TETRACHLOROETHYLENE	*35302.00 (POUNDS)*
HYDROGEN FLUORIDE	*10552.00 (POUNDS)*
METHYL ETHYL KETONE	*53533.00 (POUNDS)*
NOT REPORTED	*28402.00 (POUNDS)*
METHANOL	*846.00 (POUNDS)*

VISTA Address*:			
	GRUMMAN **GRUMMAN PLANT #17** **BETHPAGE, NY 11714**	VISTA ID#: Distance Plotted as:	2720226 0.00 MI Polygon

Map ID **1**

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737 | Agency ID: 9105709

Agency Address: *GRUMMAN*
GRUMMAN PLANT #17
BETHPAGE, NY
Tank Status: *NOT AVAILABLE*
Discovery Date: *AUGUST 26, 1991*
Media Affected: *GROUNDWATER*
Substance: *FUEL OIL #2*
Leak Cause: *TANK FAILURE*
Leak Source: *COMMERCIAL INDUSTRY*
Remedial Action: *NOT AVAILABLE*
Remedial Status 1: *CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2: *NOT AVAILABLE*
Fields Not Reported: *Quantity (Units)*

VISTA Address*:			
	MINEOLA MACK INC **880 S OYSTER BAY RD** **HICKSVILLE, NY 11801**	VISTA ID#: Distance/Direction: Plotted as:	1269828 0.03 MI / NW Point

Map ID **2**

RCRA-SmGen - RCRA-Small Generator / SRC# 2685 | EPA ID: NYD012730743

Agency Address: *SAME AS ABOVE*
Generator Class: *GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*

VISTA Address*:			
	BLUE FLAME **17 HAZEL STREET** **HICKSVILLE, NY 11801**	VISTA ID#: Distance/Direction: Plotted as:	51185 0.09 MI / SW Point

Map ID **3**

RCRA-LgGen - RCRA-Large Generator / SRC# 2685 | EPA ID: NYD981561004

Agency Address: *SAME AS ABOVE*
Generator Class: *GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*

VISTA Address*:	NATIONAL METAL SPRAYING 40 JEFRY LN HICKSVILLE, NY 11801	VISTA ID#:	290803	Map ID 3
		Distance/Direction:	0.12 MI / SW	
		Plotted as:	Point	
RCRA-SmGen - RCRA-Small Generator / SRC# 2685		EPA ID:	NYD002049658	

Agency Address: *SAME AS ABOVE*

Generator Class: *GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*

VISTA Address*:	RUCO POLYMER CORPORATION NEW SOUTH ROAD HICKSVILLE, NY 11801	VISTA ID#:	362950	Map ID 4
		Distance	0.12 MI	
		Plotted as:	Polygon	
NPL - National Priority List / SRC# 2640		EPA ID:	NYD017775545	

Agency Address: *RUCO POLYMER CORPORATION*
NEW SOUTH ROAD
HICKSVILLE, NY 11802

NPL Status: *CURRENTLY ON FINAL NPL*

Site Ownership: *PRIVATE/NON-GOVERNMENTAL*

Lead Agency: *NOT AVAILABLE*

Site Description: *THE HOOKER/RUCO SITE IS AN ACTIVE PLASTICS MANUFACTURING FACILITY. RCRA: SMALL GENERATOR.*

Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
ADMINISTRATIVE RECORD	FEDERAL ENFORCEMENT	ADMIN RECORD COMPILATION / REMEDIAL EVENT	SEPTEMBER 28, 1990	NOT REPORTED
COMMUNITY RELATIONS PLAN	EPA IN-HOUSE	UNKNOWN	SEPTEMBER 23, 1987	NOT REPORTED
MANAGEMENT ASSISTANCE (FEDERAL RENUMERATION)	FEDERAL ENFORCEMENT	UNKNOWN	SEPTEMBER 17, 1991	NOT REPORTED
ADMINISTRATIVE RECORD	RESPONSIBLE PARTY	ADMIN RECORD COMPILATION / REMEDIAL EVENT	SEPTEMBER 28, 1990	NOT REPORTED
COMBINED RI/FS	RESPONSIBLE PARTY	UNKNOWN	SEPTEMBER 23, 1994	NOT REPORTED
RECORD OF DECISION	FEDERAL ENFORCEMENT	UNKNOWN	NOT REPORTED	NOT REPORTED
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	NOVEMBER 1, 1979
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	LOWER PRIORITY	NOT REPORTED	SEPTEMBER 1, 1984
SCREENING SITE INSPECTION	EPA FUND-FINANCED	HIGHER PRIORITY	SEPTEMBER 1, 1984	OCTOBER 1, 1984
PROPOSED FOR NPL	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	OCTOBER 15, 1984
FINAL LISTING ON NPL	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	JUNE 10, 1986
COMBINED RI/FS	EPA FUND-FINANCED	UNKNOWN	SEPTEMBER 23, 1987	SEPTEMBER 21, 1988
RI/FS WORKPLAN APPROVED	EPA FUND-FINANCED	UNKNOWN	SEPTEMBER 23, 1987	SEPTEMBER 21, 1988

PROPERTY AND THE ADJACENT AREA (within 3/8 mile) CONT.

Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
REMOVAL INVESTIGATION AT NPL SITES	EPA FUND-FINANCED	STABILIZATION	MARCH 22, 1990	AUGUST 21, 1990
COMBINED RI/FS	RESPONSIBLE PARTY	UNKNOWN	SEPTEMBER 21, 1988	SEPTEMBER 28, 1990
RECORD OF DECISION	FEDERAL ENFORCEMENT	UNKNOWN	NOT REPORTED	SEPTEMBER 28, 1990
REMOVAL INVESTIGATION AT NPL SITES	EPA FUND-FINANCED	STABILIZATION	FEBRUARY 3, 1993	FEBRUARY 3, 1993
COMBINED RI/FS	RESPONSIBLE PARTY	UNKNOWN	SEPTEMBER 21, 1988	JANUARY 28, 1994
RECORD OF DECISION	FEDERAL ENFORCEMENT	UNKNOWN	NOT REPORTED	JANUARY 28, 1994

SPL - State Equivalent Priority List / SRC# 2566 | EPA ID: NYD002920312 | Agency ID: 130004

Agency Address: RUCO POLYMER CORP. (HOOKER CHEM)
NEW SOUTH ROAD
HICKSVILLE, NY 11801
Facility Type: LAGOON,LANDFILL
Lead Agency: NOT AVAILABLE
State Status: REMEDIAL ACTION PENDING/IN PROGRESS
Pollutant 1: PLANT WASTE
Pollutant 2: ETHYLHEXYL AND RELATED COMPOUNDS
Pollutant 3: ETHYLENE SUBSTANCE
Fields Not Reported: Status

CERCLIS / SRC# 2738 | EPA ID: NYD002920312

Agency Address: HOOKER CHEMICAL/RUCO POLYMER CORP
NEW SOUTH ROAD
HICKSVILLE, NY 11801
NPL Status: CURRENTLY ON FINAL NPL
Site Ownership: PRIVATE/NON-GOVERNMENTAL
Lead Agency: NOT AVAILABLE
Site Description: THE HOOKER/RUCO SITE IS AN ACTIVE PLASTICS MANUFACTURING FACILITY. RCRA: SMALL GENERATOR.

Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
ADMINISTRATIVE RECORD	FEDERAL ENFORCEMENT	ADMIN RECORD COMPILATION / REMEDIAL EVENT	SEPTEMBER 28, 1990	NOT REPORTED
COMMUNITY RELATIONS PLAN	EPA IN-HOUSE	UNKNOWN	SEPTEMBER 23, 1987	NOT REPORTED
MANAGEMENT ASSISTANCE (FEDERAL RENUMERATION)	FEDERAL ENFORCEMENT	UNKNOWN	SEPTEMBER 17, 1991	NOT REPORTED
ADMINISTRATIVE RECORD	RESPONSIBLE PARTY	ADMIN RECORD COMPILATION / REMEDIAL EVENT	SEPTEMBER 28, 1990	NOT REPORTED
COMBINED RI/FS	RESPONSIBLE PARTY	UNKNOWN	SEPTEMBER 23, 1994	NOT REPORTED
RECORD OF DECISION	FEDERAL ENFORCEMENT	UNKNOWN	NOT REPORTED	NOT REPORTED

PROPERTY AND THE ADJACENT AREA (within 3/8 mile) CONT.

Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	NOVEMBER 1, 1979
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	LOWER PRIORITY	NOT REPORTED	SEPTEMBER 1, 1984
SCREENING SITE INSPECTION	EPA FUND-FINANCED	HIGHER PRIORITY	SEPTEMBER 1, 1984	OCTOBER 1, 1984
PROPOSED FOR NPL	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	OCTOBER 15, 1984
FINAL LISTING ON NPL	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	JUNE 10, 1986
COMBINED RI/FS	EPA FUND-FINANCED	UNKNOWN	SEPTEMBER 23, 1987	SEPTEMBER 21, 1988
RI/FS WORKPLAN APPROVED	EPA FUND-FINANCED	UNKNOWN	SEPTEMBER 23, 1987	SEPTEMBER 21, 1988
REMOVAL INVESTIGATION AT NPL SITES	EPA FUND-FINANCED	STABILIZATION	MARCH 22, 1990	AUGUST 21, 1990
COMBINED RI/FS	RESPONSIBLE PARTY	UNKNOWN	SEPTEMBER 21, 1988	SEPTEMBER 28, 1990
RECORD OF DECISION	FEDERAL ENFORCEMENT	UNKNOWN	NOT REPORTED	SEPTEMBER 28, 1990
REMOVAL INVESTIGATION AT NPL SITES	EPA FUND-FINANCED	STABILIZATION	FEBRUARY 3, 1993	FEBRUARY 3, 1993
COMBINED RI/FS	RESPONSIBLE PARTY	UNKNOWN	SEPTEMBER 21, 1988	JANUARY 28, 1994
RECORD OF DECISION	FEDERAL ENFORCEMENT	UNKNOWN	NOT REPORTED	JANUARY 28, 1994

PROPERTY AND THE ADJACENT AREA (within 3/8 mile) CONT.

CORRACTS / SRC# 2685	EPA ID:	NYD002920312
Agency Address:	*RUCO POLYMER CORP. NEW SOUTH ROAD HICKSVILLE, NY 11801*	
Prioritization Status:	*HIGH*	
RCRA Facility Assessment Completed:	*YES*	
Notice of Contamination:	*NO*	
Determination of need For a RFI (RCRA Facility Investigation):	*NO*	
RFI Imposed:	*NO*	
RFI Workplan Notice of Deficiency Issued:	*NO*	
RFI Workplan Approved:	*NO*	
RFI Report Received:	*NO*	
RFI Approved:	*NO*	
No Further Corrective Action at this Time:	*YES*	
Stabilization Mesaures Evaluation:	*YES*	
CMS (Corrective Measure Study) Imposition:	*NO*	
CMS Workplan Approved:	*NO*	
CMS Report Received:	*NO*	
CMS Approved:	*NO*	
Date for Remedy Selection (CM Imposed):	*NO*	
Corrective Measures Design Approved:	*NO*	
Corrective Measures Investigation Workplan Approved:	*NO*	
Certification of Remedy Completion:	*NO*	
Stabilization Measures Implementation:	*NO*	
Stabilization Measures Completed:	*NO*	
Corrective Action Process Termination:	*NO*	

RCRA-SmGen - RCRA-Small Generator / SRC# 2685	EPA ID:	NYD002920312
Agency Address:	*RUCO POLYMER CORP. NEW SOUTH ROAD HICKSVILLE, NY 11801*	
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*	

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	8803416
Agency Address:	*RUCO POLYEMER BLDG 1 NEW SOUTH ROAD HICKSVILLE, NY*	
Tank Status:	*NOT AVAILABLE*	
Discovery Date:	*AUGUST 18, 1988*	
Media Affected:	*GROUNDWATER*	
Substance:	*FUEL OIL #2*	
Leak Cause:	*TANK FAILURE*	
Leak Source:	*COMMERCIAL INDUSTRY*	
Remedial Action:	*NOT AVAILABLE*	
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*	
Remedial Status 2:	*NOT AVAILABLE*	
Fields Not Reported:	*Quantity (Units)*	

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	8804542

Agency Address:	*RUCO PLYMERY CORP* *NEW SOUTH RD* *HICKSVILLE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*AUGUST 18, 1988*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

AST - Above Ground Storage Tank / SRC# 2304	Agency ID:	000314

Agency Address:	*RUCO POLYMER CORPORATION* *NEW SOUTH ROAD* *HICKSVILLE, NY 11802*
Underground Tanks:	*NOT REPORTED*
Aboveground Tanks:	*1*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*SL1-2A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*4000 (GALLONS)*	**Tank Material:**	*STEEL*

AST - Above Ground Storage Tank / SRC# 2736	Agency ID:	1-000064

Agency Address:	*RUCO POLYMER CORP.* *NEW SOUTH ROAD* *HICKSVILLE, NY 11802*
Underground Tanks:	*NOT REPORTED*
Aboveground Tanks:	*10*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*SL1-2A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*OTHER DESCRIPTIONS*
Tank Size (Units):	*30000 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*
Tank ID:	*SL3-1A*	**Tank Status:**	*CLOSED IN PLACE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*OTHER DESCRIPTIONS*
Tank Size (Units):	*33750 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*
Tank ID:	*SL3-2A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*OTHER DESCRIPTIONS*
Tank Size (Units):	*33750 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*
Tank ID:	*SL3-3A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*OTHER DESCRIPTIONS*
Tank Size (Units):	*33750 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*
Tank ID:	*SL3-5A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*OTHER DESCRIPTIONS*
Tank Size (Units):	*33750 (GALLONS)*	**Tank Material:**	*CARBON STEEL*

Tank ID:	*32A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STAINLESS STEEL ALLOY*
Tank Size (Units):	*20000 (GALLONS)*	**Tank Material:**	*CARBON STEEL*
Tank ID:	*33A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STAINLESS STEEL ALLOY*
Tank Size (Units):	*25000 (GALLONS)*	**Tank Material:**	*CARBON STEEL*
Tank ID:	*35AA*	**Tank Status:**	*TEMP OUT OF SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*8000 (GALLONS)*	**Tank Material:**	*CARBON STEEL*
Tank ID:	*36A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*15000 (GALLONS)*	**Tank Material:**	*CARBON STEEL*
Tank ID:	*37A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STAINLESS STEEL ALLOY*
Tank Size (Units):	*12000 (GALLONS)*	**Tank Material:**	*STAINLESS STEEL*

TRIS - Toxic Release Inventory System / SRC# 2587 | EPA ID: NYD002920312

Agency Address: *RUCO POLYMER CORP.*
NEW SOUTH RD.
HICKSVILLE, NY 118025213

Chemical Abstract Service Registry:	**Quantity Released:**
METHYL ETHYL KETONE	*1727.00 (POUNDS)*
TOLUENE	*2385.00 (POUNDS)*
STYRENE	*349.00 (POUNDS)*
METHYL ISOBUTYL KETONE	*640.00 (POUNDS)*
TOLUENEDIISOCYANATE (MIXED ISOMERS)	*258.00 (POUNDS)*
METHYLENEBIS(PHENYLISOCYANATE)	*4.00 (POUNDS)*
PHTHALIC ANHYDRIDE	*561.00 (POUNDS)*
ETHYLENE GLYCOL	*9558.00 (POUNDS)*

VISTA Address*: **NASSAU BLUE FLAME INC**
3 WASHINGTON PKWY
HICKSVILLE, NY 11801

VISTA ID#: 5362984
Distance/Direction: 0.13 MI / W
Plotted as: Point

Map ID **5**

AST - Above Ground Storage Tank / SRC# 2304 | Agency ID: 056214

Agency Address: *NASSAU BLUE FLAME INC*
3 WASHINGTON PKWY
HICKSVILLE, NY
Underground Tanks: *NOT REPORTED*
Aboveground Tanks: *1*
Tanks Removed: *NOT REPORTED*

Tank ID:	*12A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*275 (GALLONS)*	**Tank Material:**	*STEEL*

VISTA Address*:	BLUE FLAME 3 WASHINGTON PARKWAY HICKSVILLE, NY 11801	VISTA ID#:	2739921	Map ID 5
		Distance/Direction:	0.13 MI / W	
		Plotted as:	Point	
STATE LUST-- State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	8704453	

Agency Address:	*BLUE FLAME 3 WASHINGTON PARKWAY HICKSVILLE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*AUGUST 28, 1987*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	GENERAL ELECTRIC SUPPLY CO. 848 S. OYSTER BAY ROAD HICKSVILLE, NY 11801	VISTA ID#:	3929118	Map ID 6A
		Distance/Direction:	0.15 MI / N	
		Plotted as:	Point	
RCRA-LgGen - RCRA-Large Generator / SRC# 2685		EPA ID:	NYD060317831	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*

VISTA Address*:	COLONIAL TRANSPARENT 870 SO. OYSTER BAY ROAD HICKSVILLE, NY 11801	VISTA ID#:	94203	Map ID 6B
		Distance/Direction:	0.20 MI / N	
		Plotted as:	Point	
AST - Above Ground Storage Tank / SRC# 2304		Agency ID:	002495	

Agency Address:	*COLONIAL TRANSPARENT 870 SO. OYSTER BAY ROAD HICKSVILLE, NY*		
Underground Tanks:	*NOT REPORTED*		
Aboveground Tanks:	*1*		
Tanks Removed:	*NOT REPORTED*		
Tank ID:	*KTP1A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*2500 (GALLONS)*	**Tank Material:**	*STEEL*

VISTA Address*:	DC FEMIA AUTO COLLISION 44 WASHINGTON PKWY HICKSVILLE, NY 11801	VISTA ID#:	115799	Map ID 7
		Distance/Direction:	0.16 MI / SW	
		Plotted as:	Point	
RCRA-SmGen - RCRA-Small Generator / SRC# 2685		EPA ID:	NYD982180606	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*

VISTA Address*:	BERTAN ASSOCIATES INC 121 NEW SOUTH ROAD HICKSVILLE, NY 11801	VISTA ID#:	45505
		Distance/Direction:	0.20 MI / W
		Plotted as:	Point

Map ID **8A**

RCRA-LgGen - RCRA-Large Generator / SRC# 2685		EPA ID:	NYD980776405
Agency Address:	*SAME AS ABOVE*		
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*		

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	8705034
Agency Address:	*BERTAN ASSOCIATES* *121 NEW SOUTH ROAD* *HICKSVILLE, NY*		
Tank Status:	*NOT AVAILABLE*		
Discovery Date:	*SEPTEMBER 11, 1987*		
Media Affected:	*GROUNDWATER*		
Substance:	*FUEL OIL #2*		
Leak Cause:	*TANK FAILURE*		
Leak Source:	*NON-COMMERCIAL INDUSTRY*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Quantity (Units)*		

STATE UST - State Underground Storage Tank / SRC# 2304		Agency ID:	054034
Agency Address:	*BERTAN ASSOCIATES, INC.* *121 NEW SOUTH ROAD* *HICKSVILLE, NY*		
Underground Tanks:	*1*		
Aboveground Tanks:	*NOT REPORTED*		
Tanks Removed:	*NOT REPORTED*		

Tank ID:	*1A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*OTHER DESCRIPTIONS*
Tank Size (Units):	*2500 (GALLONS)*	**Tank Material:**	*FIBERGLASS REINFORCED PLASTIC*

VISTA Address*:	CENTURY COLLISION, INC. 321 NEW SOUTH ROAD HICKSVILLE, NY 11801	VISTA ID#:	75702
		Distance/Direction:	0.21 MI / W
		Plotted as:	Point

Map ID **8B**

RCRA-SmGen - RCRA-Small Generator / SRC# 2685		EPA ID:	NYD054994280
Agency Address:	*SAME AS ABOVE*		
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*		

VISTA Address*:	ERM NORTHEAST 335 NEW SOUTH ROAD HICKSVILLE, NY 11801	VISTA ID#:	3506484	Map ID 8B
		Distance/Direction:	0.21 MI / W	
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	9206957	

Agency Address:	*ERM NORTHEAST 335 NEW SOUTH ROAD HICKSVILLE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*SEPTEMBER 16, 1992*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	A. ERNIES AUTO BODY INC. 870 SOUTH BROADWAY HICKSVILLE, NY 11801	VISTA ID#:	487996	Map ID 8B
		Distance/Direction:	0.23 MI / W	
		Plotted as:	Point	
RCRA-SmGen - RCRA-Small Generator / SRC# 2685		EPA ID:	NYD050594878	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*

VISTA Address*:	FIRESTONE SAVMOR AUTO SVC. 870 SO. BROADWAY HICKSVILLE, NY 11801	VISTA ID#:	152002	Map ID 8B
		Distance/Direction:	0.23 MI / W	
		Plotted as:	Point	
RCRA-LgGen - RCRA-Large Generator / SRC# 2685		EPA ID:	NYD981489826	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*

VISTA Address*:	M G M TOWING AUTOMOTIVE 870 S BROADWAY - FRONT OF BLDG HICKSVILLE, NY 11801	VISTA ID#:	3084188	Map ID 8B
		Distance/Direction:	0.23 MI / W	
		Plotted as:	Point	
RCRA-SmGen - RCRA-Small Generator / SRC# 2685		EPA ID:	NYD986980936	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*

VISTA Address*:	TRUE AUTO RESTORATIONS INC 870 S BROADWAY - E SECTION HICKSVILLE, NY 11801	VISTA ID#:	3084193	Map ID 8B
		Distance/Direction:	0.23 MI / W	
		Plotted as:	Point	
RCRA-SmGen - RCRA-Small Generator / SRC# 2685		EPA ID:	NYD986961076	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*

VISTA Address*:	T B T COGEN 939 SOUTH BROADWAY HICKSVILLE, NY 11801	VISTA ID#:	200002374	Map ID
		Distance/Direction:	0.21 MI / SW	9A
		Plotted as:	Point	
ERNS - Emergency Response Notification System / SRC# 2255		Agency ID:	92-0984	

Agency Address:	*SAME AS ABOVE*
Spill Date Time:	*AUGUST 7, 1992 06:00:00 AM*
Case Number:	*92-0984*
Spill Location:	*939 SOUTH BROADWAY*
Source Agency:	*E*
Discharger Name:	*NASS, TODD*
Discharger Org:	*T B T COGEN*
Material Spilled:	*POLYCHLORINATED BIPHENYLS, 3.00 (GAL)*
Fields Not Reported:	*Discharger Phone, Waterway Affected*

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	*YES*	*NO*	*NO*	*YES*	*NO*

VISTA Address*:	T B T COGEN 939 SOUTH BROADWAY HICKSVILLE, NY 11801	VISTA ID#:	200006075	Map ID
		Distance/Direction:	0.21 MI / SW	9A
		Plotted as:	Point	
ERNS - Emergency Response Notification System / SRC# 2255		Agency ID:	130706	

Agency Address:	*SAME AS ABOVE*
Spill Date Time:	*AUGUST 7, 1992 06:00:00 AM*
Case Number:	*130706*
Spill Location:	*939 SOUTH BROADWAY*
Source Agency:	*N*
Discharger Name:	*NASS, TODD*
Discharger Org:	*T B T COGEN*
Material Spilled:	*POLYCHLORINATED BIPHENYLS, 3.00 (GAL)*
Waterway Affected:	*GRAVEL AND SOIL/ALSO CONCRETE FOUNDATION*
Fields Not Reported:	*Discharger Phone*

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	*YES*	*NO*	*NO*	*NO*	*NO*

VISTA Address*:	C D TYPE SETTERS INC 960 SOUTH BROADWAY HICKSVILLE, NY 11801	VISTA ID#:	74448	Map ID
		Distance/Direction:	0.22 MI / SW	9B
		Plotted as:	Point	
RCRA-LgGen - RCRA-Large Generator / SRC# 2685		EPA ID:	NYD982186983	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*

VISTA Address*:	SAL MIKE REALTY 980 HICKSVILLE RD BETHPAGE, NY 11714	VISTA ID#:	3918631	Map ID
		Distance/Direction:	0.22 MI / SW	9B
		Plotted as:	Point	
RCRA-SmGen - RCRA-Small Generator / SRC# 2685		EPA ID:	NYD986906105	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*

VISTA Address*:	AVIS CAR RENTAL 980 SOUTH BROADWAY BETHPAGE, NY 11714	VISTA ID#:	1118893
		Distance/Direction:	0.23 MI / SW
		Plotted as:	Point

Map ID **9B**

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	8809010

Agency Address:	*AVIS CAR RENTAL 980 SOUTH BROADWAY BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*FEBRUARY 19, 1989*
Media Affected:	*SOIL/SAND/LAND*
Substance:	*GASOLINE (UNSPECIFIED)*
Quantity (Units):	*15.0 (GALLONS)*
Leak Cause:	*TANK FAILURE*
Leak Source:	*VEHICLE*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*

VISTA Address*:	T B G COGEN PARTNERS 939 S BROADWAY HICKSVILLE, NY 11801	VISTA ID#:	1275656
		Distance/Direction:	0.24 MI / SW
		Plotted as:	Point

Map ID **9B**

RCRA-SmGen - RCRA-Small Generator / SRC# 2685	EPA ID:	NYD987029691

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE LESS THAN 100 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE.*

AST - Above Ground Storage Tank / SRC# 2736	Agency ID:	1-000129

Agency Address:	*TBG COGEN PARTNERS 939 SOUTH BROADWAY HICKSVILLE, NY 11801*
Underground Tanks:	*NOT REPORTED*
Aboveground Tanks:	*2*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*11A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*2000 (GALLONS)*	**Tank Material:**	*CARBON STEEL*
Tank ID:	*12A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*HAZARDOUS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*2000 (GALLONS)*	**Tank Material:**	*CARBON STEEL*

AST - Above Ground Storage Tank / SRC# 2736	Agency ID:	1-3280

Agency Address:	*TBG COGEN PARTNERS 939 S BROADWAY HICKSVILLE, NY 11801*
Underground Tanks:	*NOT REPORTED*
Aboveground Tanks:	*1*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*7AGA*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*FUEL OIL*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*500000 (GALLONS)*	**Tank Material:**	*CARBON STEEL*

VISTA Address*:	PHOTO WORKS 25 BLUMINGDALE ROAD HICKSVILLE, NY 11801	VISTA ID#:	329705	Map ID 9C
		Distance/Direction:	0.26 MI / SW	
		Plotted as:	Point	
RCRA-LgGen - RCRA-Large Generator / SRC# 2685		EPA ID:	NYD981488240	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*

VISTA Address*:	YALE RADIATOR AUTO REPAIR 37 BLOOMINGDALE RD HICKSVILLE, NY 11801	VISTA ID#:	1128375	Map ID 9C
		Distance/Direction:	0.29 MI / SW	
		Plotted as:	Point	
RCRA-SmGen - RCRA-Small Generator / SRC# 2685		EPA ID:	NYD168346880	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*

VISTA Address*:	GRUMMAN AEROSPACE BLDG 28 BETHPAGE, NY 11714	VISTA ID#:	5308133	Map ID 10
		Distance/Direction:	0.24 MI / N	
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	9408269	

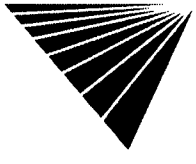
Agency Address:	*GRUMMAN AEROSPACE BLDG 28 BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*SEPTEMBER 21, 1994*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE OPEN*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	TEXACO U.S.A.-A DIV. OF TEXACO INC. 1000 SOUTH BROADWAY HICKSVILLE, NY 11801	VISTA ID#:	421625	Map ID 11
		Distance/Direction:	0.24 MI / SW	
		Plotted as:	Point	
RCRA-LgGen - RCRA-Large Generator / SRC# 2685		EPA ID:	NYD000694448	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*

VISTA Address*:	U HAUL CO OF METRO NY 1000 BROADWAY HICKSVILLE, NY 11801	VISTA ID#:	5361223	Map ID 11
		Distance/Direction:	0.25 MI / SW	
		Plotted as:	Point	
AST - Above Ground Storage Tank / SRC# 2304		Agency ID:	055888	

Agency Address:	*U HAUL CO OF METRO NY 1000 BROADWAY HICKSVILLE, NY*
Underground Tanks:	*1*
Aboveground Tanks:	*1*
Tanks Removed:	*NOT REPORTED*



Tank ID:	*001A*	**Tank Status:**	*PLANNED FOR REMOVAL*
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*275 (GALLONS)*	**Tank Material:**	*STEEL*
Tank ID:	*001A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*275 (GALLONS)*	**Tank Material:**	*STEEL*

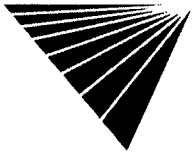
VISTA Address*:	**CORAL GRAPHIC SERVICES INC** **840 S BROADWAY** **HICKSVILLE, NY 11801**	VISTA ID#: Distance/Direction: Plotted as:	5538868 0.26 MI / W Point	Map ID **12A**
RCRA-LgGen - RCRA-Large Generator / SRC# 2685		EPA ID:	NYR000001230	
Agency Address:	*SAME AS ABOVE*			
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*			

VISTA Address*:	**THE BANK OF NEW YORK** **801 SOUTH BROADWAY** **HICKSVILLE, NY 11801**	VISTA ID#: Distance/Direction: Plotted as:	5361219 0.27 MI / W Point	Map ID **12B**
STATE UST - State Underground Storage Tank / SRC# 2304		Agency ID:	055501	
Agency Address:	*THE BANK OF NEW YORK* *801 SOUTH BROADWAY* *HICKSVILLE, NY*			
Underground Tanks:	*1*			
Aboveground Tanks:	*NOT REPORTED*			
Tanks Removed:	*NOT REPORTED*			
Tank ID:	*1A*	**Tank Status:**	*PLANNED FOR REMOVAL*	
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*NO MONITOR*	
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*	
Tank Size (Units):	*2000 (GALLONS)*	**Tank Material:**	*STEEL*	

VISTA Address*:	**MOBIL OIL CORP SS KWT** **325 S OYSTER BAY RD** **PLAINVIEW, NY 11803**	VISTA ID#: Distance/Direction: Plotted as:	3087450 0.28 MI / S Point	Map ID **13**
RCRA-SmGen - RCRA-Small Generator / SRC# 2685		EPA ID:	NYD986952786	
Agency Address:	*SAME AS ABOVE*			
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*			

VISTA Address*:	**ALPIAN II CLEANERS** **339 S OYSTER BAY RD** **PLAINVIEW, NY 11803**	VISTA ID#: Distance/Direction: Plotted as:	262775 0.28 MI / S Point	Map ID **13**
RCRA-SmGen - RCRA-Small Generator / SRC# 2685		EPA ID:	NYD981081953	
Agency Address:	*SAME AS ABOVE*			
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*			

VISTA Address*:	**JOHNS SOUTH BAY MOBIL** **755 S OYSTER BAY RD** **BETHPAGE, NY 11714**	VISTA ID#: Distance/Direction: Plotted as:	127057 0.30 MI / S Point	Map ID **13**
RCRA-LgGen - RCRA-Large Generator / SRC# 2685		EPA ID:	NYD981555360	
Agency Address:	*SAME AS ABOVE*			
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*			



*** VISTA address includes enhanced city and ZIP.**
For more information call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403.**
Report ID: **098881-001** Date of Report: **March 7, 1996**
Version 2.4.1 *Page #31*

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	9309724

Agency Address:	*MOBIL OIL 755 SOUTH OYSTER BAY ROAD BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*NOVEMBER 11, 1993*
Media Affected:	*SOIL/SAND/LAND*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*TANK FAILURE*
Leak Source:	*FIXED FACILITY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

AST - Above Ground Storage Tank / SRC# 2304	Agency ID:	041111

Agency Address:	*MOBIL S/S #17-KKJ 755 S. OYSTER BAY RD. BETHPAGE, NY*
Underground Tanks:	*1*
Aboveground Tanks:	*1*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*001U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*OTHER DESCRIPTIONS*
Tank Size (Units):	*1000 (GALLONS)*	**Tank Material:**	*FIBERGLASS REINFORCED PLASTIC*
Tank ID:	*001U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*MOTOR OIL*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*300 (GALLONS)*	**Tank Material:**	*STEEL*

VISTA Address*:	**MERRY OLDS INC 777 SOUTH OYSTER BAY ROAD BETHPAGE, NY 11714**	VISTA ID#:	268888
		Distance/Direction:	0.30 MI / S
		Plotted as:	Point

Map ID **13**

RCRA-LgGen - RCRA-Large Generator / SRC# 2685	EPA ID:	NYD065956922

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*

VISTA Address*:	**HICKSVILLE DEPT OF PUBLIC WORKS NEW SOUTH RD MORRIS ST HICKSVILLE, NY 11801**	VISTA ID#:	1270256
		Distance/Direction:	0.31 MI / NW
		Plotted as:	Point

Map ID **14**

RCRA-LgGen - RCRA-Large Generator / SRC# 2685	EPA ID:	NYD982789737

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*

VISTA Address*:	**KING BEAR AUTO SERVICE CENTER 735 SOUTH BROADWAY HICKSVILLE, NY 11801**	VISTA ID#:	228893
		Distance/Direction:	0.34 MI / W
		Plotted as:	Point

Map ID **15**

RCRA-LgGen - RCRA-Large Generator / SRC# 2685	EPA ID:	NYD981563513

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*

AST - Above Ground Storage Tank / SRC# 2304	Agency ID:	055938

Agency Address:	*KING BEAR AUTO SERV CTR* *735 S BROADWAY* *HICKSVILLE, NY*
Underground Tanks:	*NOT REPORTED*
Aboveground Tanks:	*1*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*001U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*MOTOR OIL*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*240 (GALLONS)*	**Tank Material:**	*STEEL*

VISTA Address*:	**GRUMMAN** **BLDG #15** **BETHPAGE, NY 11714**	VISTA ID#:	4111075
		Distance/Direction:	0.35 MI / N
		Plotted as:	Point

Map ID **16**

STATE LUST - State Leaking Underground Storage Tank / SRC# 2737	Agency ID:	8901729

Agency Address:	*GRUMMAN* *BLDG #15* *BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MAY 19, 1989*
Media Affected:	*GROUNDWATER*
Substance:	*PETROLEUM*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	**NEW YORK TELEPHONE ROOM 300** **920 SOUTH OYSTER BAY ROAD** **BETHPAGE, NY 11714**	VISTA ID#:	296542
		Distance/Direction:	0.37 MI / N
		Plotted as:	Point

Map ID **17A**

RCRA-LgGen - RCRA-Large Generator / SRC# 2685	EPA ID:	NYD982185712

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE.*

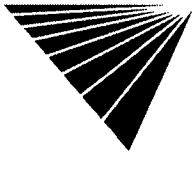
SITES IN THE SURROUNDING AREA (within 3/8 - 1/2 mile)

VISTA Address*:	GRUMMAN AEROSPACE BLDG 115 BETHPAGE, NY 11714	VISTA ID#:	4111072	Map ID
		Distance/Direction:	0.42 MI / N	17B
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	8807239	

Agency Address:	*GRUMMAN AEROSPACE BLDG 115 BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*DECEMBER 1, 1988*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	GRUMMAN AEROSPACE BUILDING 116-01-1 BETHPAGE, NY 11714	VISTA ID#:	4111065	Map ID
		Distance/Direction:	0.46 MI / N	17B
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	8901526	

Agency Address:	*GRUMMAN AEROSPACE BUILDING 116-01-1 BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MAY 16, 1989*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*FIXED FACILITY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*



VISTA Address*:	AL ANDRIANO RESIDENCE 159 12TH STREET BETHPAGE, NY 11714	VISTA ID#:	3911181	Map ID 18
		Distance/Direction:	0.40 MI / SE	
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	9213083	

Agency Address:	*AL ANDRIANO RESIDENCE 159 12TH STREET BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*FEBRUARY 23, 1993*
Media Affected:	*SOIL/SAND/LAND*
Substance:	*FUEL OIL #2*
Quantity (Units):	*1.0 (GALLONS)*
Leak Cause:	*TANK FAILURE*
Leak Source:	*PRIVATE DWELLING*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*

VISTA Address*:	BRADCO SUPPLY CORP. 85 BLOOMINGDALE ROAD HICKSVILLE, NY 11801	VISTA ID#:	5310561	Map ID 19
		Distance/Direction:	0.40 MI / SW	
		Plotted as:	Point	
STATE UST - State Underground Storage Tank / SRC# 2304		Agency ID:	054058	

Agency Address:	*BRADCO SUPPLY CORP. 85 BLOOMINGDALE ROAD HICKSVILLE, NY*
Underground Tanks:	*1*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*001U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*OTHER DESCRIPTIONS*
Tank Size (Units):	*4000 (GALLONS)*	**Tank Material:**	*FIBERGLASS REINFORCED PLASTIC*

VISTA Address*:	U.S. POSTAL VEHICLE MAINT 109 LUDY ST. HICKSVILLE, NY 11801	VISTA ID#:	5361995	Map ID 20
		Distance/Direction:	0.46 MI / NW	
		Plotted as:	Point	
AST - Above Ground Storage Tank / SRC# 2304		Agency ID:	056169	

Agency Address:	*U.S. POSTAL VEHICLE MAINT 109 LUDY ST. HICKSVILLE, NY*
Underground Tanks:	*NOT REPORTED*
Aboveground Tanks:	*2*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*5A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*280 (GALLONS)*	**Tank Material:**	*STEEL*
Tank ID:	*5A*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*FUEL OIL #2*	**Leak Monitoring:**	*NO MONITOR*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*STEEL/IRON*
Tank Size (Units):	*275 (GALLONS)*	**Tank Material:**	*STEEL*

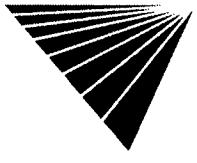
SITES IN THE SURROUNDING AREA (within 1/2 - 3/4 mile)

VISTA Address*:	**GRUMMAN AEROSPACE** **BUILDING 04-01-1** **BETHPAGE, NY 11714**	VISTA ID#: Distance/Direction: Plotted as:	4111074 0.51 MI / SE Point	Map ID **21**
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	8901527	

Agency Address:	*GRUMMAN AEROSPACE* *BUILDING 04-01-1* *BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MAY 12, 1989*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*FIXED FACILITY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	**GETTY PETROLEUM CORP** **723 S OYSTER BAY RD** **PLAINVIEW, NY 11803**	VISTA ID#: Distance/Direction: Plotted as:	2729523 0.54 MI / N Point	Map ID **22**
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	8710561	

Agency Address:	*GETTY PETROLEUM* *723 SOUTH OYSTER BAY ROAD* *PLAINVIEW, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MARCH 17, 1988*
Media Affected:	*GROUNDWATER*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*TANK FAILURE*
Leak Source:	*FIXED FACILITY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

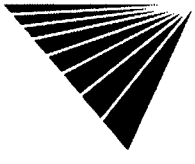


VISTA Address*:	HESS S/S 575 SOUTH BROADVIEW HICKSVILLE, NY	VISTA ID#: Distance/Direction: Plotted as:	3504091 0.55 MI / W Point	Map ID 23
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	9205380	

Agency Address:	*SAME AS ABOVE*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*AUGUST 10, 1992*
Media Affected:	*GROUNDWATER*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*TANK FAILURE*
Leak Source:	*FIXED FACILITY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	AMERADA HESS STATION 32489 502 S BROADWAY HICKSVILLE, NY 11801	VISTA ID#: Distance/Direction: Plotted as:	3693147 0.62 MI / NW Point	Map ID 23
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	9205657	

Agency Address:	*UNK CUSTOMER* *502 SO BROADWAY* *HICKSVILLE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MARCH 24, 1992*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*FIXED FACILITY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*



VISTA Address*:	WALTER HOFFMANN 22 LINDEN BLVD HICKSVILLE, NY 11801	VISTA ID#:	2723914
		Distance/Direction:	0.57 MI / W
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	8702517

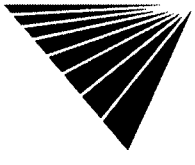
Map ID **24**

Agency Address:	*WALTER HOFFMANN* *22 LINDEN BLVD* *HICKSVILLE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*JUNE 28, 1987*
Media Affected:	*SOIL/SAND/LAND*
Substance:	*FUEL OIL #2*
Quantity (Units):	*100.0 (GALLONS)*
Leak Cause:	*TANK FAILURE*
Leak Source:	*PRIVATE DWELLING*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*

VISTA Address*:	LINDA SCHWARZ 12 FARM LANE HICKSVILLE, NY 11801	VISTA ID#:	2719231
		Distance/Direction:	0.59 MI / W
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	8911923

Map ID **24**

Agency Address:	*LINDA SCHWARZ* *12 FARM LANE* *HICKSVILLE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MARCH 13, 1990*
Media Affected:	*SOIL/SAND/LAND*
Substance:	*FUEL OIL #2*
Quantity (Units):	*100.0 (GALLONS)*
Leak Cause:	*TANK FAILURE*
Leak Source:	*PRIVATE DWELLING*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*



VISTA Address*:	GRUMMAN AEROSPACE BUILDING #2 GRUMMAN BETHPAGE, NY 11714	VISTA ID#:	4111070	Map ID 25
		Distance/Direction:	0.57 MI / SE	
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	8704145	

Agency Address:	*GRUMMAN AEROSPACE BUILDING #2 GRUMMAN BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*AUGUST 19, 1987*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	GRUMMAN AEROSPACE BLDG 111 BETHPAGE, NY 11714	VISTA ID#:	4111064	Map ID 26
		Distance/Direction:	0.60 MI / NE	
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	9001711	

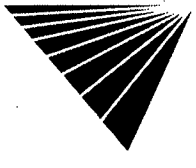
Agency Address:	*GRUMMAN AEROSPACE BLDG 111 BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MAY 14, 1990*
Media Affected:	*SOIL/SAND/LAND*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	METRO S/S 900 STEWART AVENUE BETHPAGE, NY 11714	VISTA ID#:	2737175	Map ID 26
		Distance/Direction:	0.64 MI / NE	
		Plotted as:	Point	
STATE LUST-- State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	9506133	

Agency Address:	*METRO S/S* *900 STEWART AVENUE* *BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*DECEMBER 31, 1987*
Media Affected:	*GROUNDWATER*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*TANK FAILURE*
Leak Source:	*FIXED FACILITY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	SLOMINS INC 125 LAUMAN LANE HICKSVILLE, NY 11801	VISTA ID#:	383950	Map ID 27
		Distance/Direction:	0.60 MI / S	
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	9100704	

Agency Address:	*SLOMINS OIL CO* *125 LAUMAN STREET* *HICKSVILLE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*APRIL 17, 1991*
Media Affected:	*GROUNDWATER*
Substance:	*FUEL OIL #2*
Leak Cause:	*TANK FAILURE*
Leak Source:	*COMMERCIAL INDUSTRY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

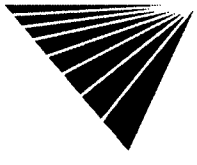


VISTA Address*:	NYNEX VEHICLE SHERMAN AVE/SO 6TH STREET BETHPAGE, NY 11714	VISTA ID#:	5162244	Map ID 28
		Distance/Direction:	0.72 MI / SE	
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	9314784	

Agency Address:	*NYNEX VEHICLE SHERMAN AVE/SO 6TH STREET BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MARCH 17, 1994*
Media Affected:	*SOIL/SAND/LAND*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*TANK FAILURE*
Leak Source:	*TRUCK/HIGHWAY VEHICLE*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

VISTA Address*:	MOBIL OIL SO OYSTER BAY STEWART A BETHPAGE, NY 11714	VISTA ID#:	2737156	Map ID 29
		Distance/Direction:	0.72 MI / N	
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	8908752	

Agency Address:	*MOBIL OIL SO OYSTER BAY STEWART A BETHPAGE, NY*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*DECEMBER 5, 1989*
Media Affected:	*GROUNDWATER*
Substance:	*WASTE OIL*
Leak Cause:	*TANK FAILURE*
Leak Source:	*FIXED FACILITY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*



SITES IN THE SURROUNDING AREA (within 3/4 - 1 1/4 miles)

VISTA Address*:	LILCO/HICKSVILLE OPERATING CENTER 175 EAST OLD COUNTRY RD HICKSVILLE, NY 11801	VISTA ID#:	360912
		Distance/Direction:	1.01 MI / NW
		Plotted as:	Point

Map ID **30**

CORRACTS / SRC# 2685		EPA ID:	NYD006866008
Agency Address:	*SAME AS ABOVE*		
Prioritization Status:	*LOW*		
RCRA Facility Assessment Completed:	*YES*		
Notice of Contamination:	*NO*		
Determination of need For a RFI (RCRA Facility Investigation):	*NO*		
RFI Imposed:	*NO*		
RFI Workplan Notice of Deficiency Issued:	*NO*		
RFI Workplan Approved:	*NO*		
RFI Report Received:	*NO*		
RFI Approved:	*NO*		
No Further Corrective Action at this Time:	*NO*		
Stabilization Mesaures Evaluation:	*YES*		
CMS (Corrective Measure Study) Imposition:	*NO*		
CMS Workplan Approved:	*NO*		
CMS Report Received:	*NO*		
CMS Approved:	*NO*		
Date for Remedy Selection (CM Imposed):	*NO*		
Corrective Measures Design Approved:	*NO*		
Corrective Measures Investigation Workplan Approved:	*NO*		
Certification of Remedy Completion:	*NO*		
Stabilization Measures Implementation:	*NO*		
Stabilization Measures Completed:	*NO*		
Corrective Action Process Termination:	*YES*		

RCRA-TSD / SRC# 2685		EPA ID:	NYD006866008
Agency Address:	*SAME AS ABOVE*		
Off-Site Waste Received:	*NO*		
Land Disposal:	*NO*		
Incinerator:	*NO*		
Storage/Treatment:	*NO*		

UNMAPPED SITES

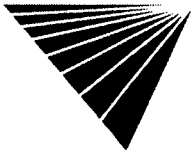
VISTA Address*:	BEECHWOOD NY	VISTA ID#:	5619464
STATE SWLF - Solid Waste Landfill / SRC# 2629		Agency ID:	30S19
Agency Address:	*SAME AS ABOVE*		
Facility Type:	*NOT AVAILABLE*		
Facility Status:	*INACTIVE*		
Permit Status:	*NOT AVAILABLE*		

VISTA Address*:	NAVAL WEAPONS IND. RESERVE PLANT STEWART AVENUE BETHPAGE, NY 11714	VISTA ID#:	4123188
SPL - State Equivalent Priority List / SRC# 2566		EPA ID: Agency ID:	NYD602047967 130003B
Agency Address:	*SAME AS ABOVE*		
Facility Type:	*LAGOON,LANDFILL*		
Lead Agency:	*NOT AVAILABLE*		
State Status:	*REMEDIAL ACTION PENDING/IN PROGRESS*		
Pollutant 1:	*TRICHLOROETHYLENE*		
Pollutant 2:	*TETRACHLOROETHENE*		
Pollutant 3:	*TRICHLOROETHANE/TCA*		
Fields Not Reported:	*Status*		

VISTA Address*:	OLD WESTBURY SWMF NY	VISTA ID#:	5619800
STATE SWLF - Solid Waste Landfill / SRC# 2629		Agency ID:	30T18
Agency Address:	*SAME AS ABOVE*		
Facility Type:	*NOT AVAILABLE*		
Facility Status:	*ACTIVE*		
Permit Status:	*NOT AVAILABLE*		

VISTA Address*:	DUFFY AVENUE NY	VISTA ID#:	5619554
STATE SWLF - Solid Waste Landfill / SRC# 2629		Agency ID:	30D01
Agency Address:	*SAME AS ABOVE*		
Facility Type:	*NOT AVAILABLE*		
Facility Status:	*INACTIVE*		
Permit Status:	*NOT AVAILABLE*		

VISTA Address*:	PLANDOME (V) NY	VISTA ID#:	5619817
STATE SWLF - Solid Waste Landfill / SRC# 2629		Agency ID:	30T20
Agency Address:	*SAME AS ABOVE*		
Facility Type:	*NOT AVAILABLE*		
Facility Status:	*INACTIVE*		
Permit Status:	*NOT AVAILABLE*		



VISTA Address*:	GREAT NECK T.S. (V) NY	VISTA ID#:	4898181
STATE SWLF - Solid Waste Landfill / SRC# 2629		Agency ID:	30T14

Agency Address:	*SAME AS ABOVE*
Facility Type:	*NOT AVAILABLE*
Facility Status:	*ACTIVE*
Permit Status:	*NOT AVAILABLE*

VISTA Address*:	NAVAL WEAPONS INDUSTRIAL RESERVE PLA SOUTH OYSTER BAY ROAD BETHPAGE, NY 11714	VISTA ID#:	3624601
CERCLIS / SRC# 2738		EPA ID:	NY2170022162

Agency Address:	*SAME AS ABOVE*
NPL Status:	*NOT A PROPOSED, CURRENT, OR DELETED NPL SITE*
Site Ownership:	*FEDERALLY OWNED*
Lead Agency:	*NOT AVAILABLE*
Site Description:	*THERE ARE POTENTIAL HAZARDOUS WASTE AREAS AT THISSITE; SUCH AS WASTES GENERATED PERMARILY FROM AIRCRAFT PRODUCTIONS.*

VISTA Address*:	GARVIES POINT SLF NY	VISTA ID#:	5619635
STATE SWLF - Solid Waste Landfill / SRC# 2629		Agency ID:	30S13

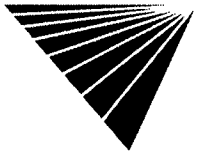
Agency Address:	*SAME AS ABOVE*
Facility Type:	*NOT AVAILABLE*
Facility Status:	*INACTIVE*
Permit Status:	*NOT AVAILABLE*

VISTA Address*:	ROCKVILLE CENTER T.S. NY	VISTA ID#:	3502530
STATE SWLF - Solid Waste Landfill / SRC# 2629		Agency ID:	30T08

Agency Address:	*SAME AS ABOVE*
Facility Type:	*NOT AVAILABLE*
Facility Status:	*ACTIVE*
Permit Status:	*NOT AVAILABLE*

VISTA Address*:	TARTAN OIL SO OSYTER BAY ROAD HICKSVILLE, NY	VISTA ID#:	3506654
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	9206696

Agency Address:	*SAME AS ABOVE*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*SEPTEMBER 9, 1992*
Media Affected:	*GROUNDWATER*
Substance:	*GASOLINE (UNSPECIFIED)*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*CASE OPEN*
Remedial Status 2:	*NOT AVAILABLE*



VISTA Address*:	V G RUBBISH REMOVAL NY	VISTA ID#:	5619935
STATE SWLF - Solid Waste Landfill / SRC# 2629		Agency ID:	30T09
Agency Address:	*SAME AS ABOVE*		
Facility Type:	*NOT AVAILABLE*		
Facility Status:	*INACTIVE*		
Permit Status:	*NOT AVAILABLE*		

VISTA Address*:	AGO ASSOCIATES NY	VISTA ID#:	5619437
STATE SWLF - Solid Waste Landfill / SRC# 2629		Agency ID:	30D12
Agency Address:	*SAME AS ABOVE*		
Facility Type:	*NOT AVAILABLE*		
Facility Status:	*INACTIVE*		
Permit Status:	*NOT AVAILABLE*		

VISTA Address*:	PLAINVIEW COMM PARK WASHINGTON BLVD PLAINVIEW, NY 11803	VISTA ID#:	2496250
STATE LUST - State Leaking Underground Storage Tank / SRC# 2737		Agency ID:	9110559
Agency Address:	*PLAINVIEW COMM PARK* *WASHINGTON BLVD* *PLAINVIEW, NY*		
Tank Status:	*NOT AVAILABLE*		
Discovery Date:	*DECEMBER 29, 1991*		
Media Affected:	*GROUNDWATER*		
Substance:	*NON-HAZARDOUS MATERIAL*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*		
Remedial Status 2:	*NOT AVAILABLE*		

VISTA Address*:	WARREN BROTHERS/COES NECK NY	VISTA ID#:	5619964
STATE SWLF - Solid Waste Landfill / SRC# 2629		Agency ID:	30S11
Agency Address:	*SAME AS ABOVE*		
Facility Type:	*NOT AVAILABLE*		
Facility Status:	*INACTIVE*		
Permit Status:	*NOT AVAILABLE*		

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 1/4 MILES

NPL
SRC#: 2640

VISTA conducts a database search to identify all sites within 1.25 mile of your property.
The agency release date for NPL was September, 1995.

The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the US Dept of Health and Human Services and the US EPA in order to become an NPL site.

SPL
SRC#: 2566

VISTA conducts a database search to identify all sites within 1.25 mile of your property.
The agency release date for Inactive Hazardous Waste Disposal Sites was July, 1995.

This database is provided by the Department of Environmental Conservation, Bureau of Hazardous Site Control.

CORRACTS
SRC#: 2685

VISTA conducts a database search to identify all sites within 1.25 mile of your property.
The agency release date for RCRA Corrective Action Sites List was October, 1995.

The EPA maintains this database of RCRA facilities which are undergoing "corrective action". A "corrective action order" is issued pursuant to RCRA Section 3008 (h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA.

RCRA-TSD
SRC#: 2685

VISTA conducts a database search to identify all sites within 1.25 mile of your property.
The agency release date for RCRIS was October, 1995.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA TSDs are facilities which treat, store and/or dispose of hazardous waste.

B) DATABASES SEARCHED TO 3/4 MILE

CERCLIS
SRC#: 2738

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for CERCLIS was December, 1995.

The CERCLIS List contains sites which are either proposed to or on the National Priorities List(NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL. The information on each site includes a history of all pre-remedial, remedial, removal and community relations activiies or events at the site, financial funding information for the events, and unrestricted enforcement activities.

NFRAP
SRC#: 2739

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for CERCLIS-NFRAP was December, 1995.

NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

SWLF
SRC#: 1332

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Recycler's Listing was April, 1993.

This database is provided by the Department of Environmental Conservation, Bureau of Municipal Waste.

SWLF
SRC#: 1877

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Incinerators-Resource Recovery Projects was January, 1994.

This database is provided by the Department of Environmental Conservation, Bureau of Waste Management.

SWLF
SRC#: 2629

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Active Solid Waste Disposal Sites was September, 1995.

This database is provided by the Department of Environmental Conservation, Division of Municipal Waste.

SWLF
SRC#: 2629

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Inactive Solid Waste Sites was September, 1995.

This database is provided by the Department of Environmental Conservation, Division of Solid Waste.

LUST
SRC#: 2737

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for LUST (Tank Test Failures) Database was November, 1995.

This database is provided by the Department of Environmental Conservation.

C) DATABASES SEARCHED TO 1/2 MILE

RCRA-Viols/En
SRC#: 2685

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for RCRIS was October, 1995.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Violators are facilities which have been cited for RCRA Violations at least once since 1980. RCRA Enforcements are enforcement actions taken against RCRA violators.

UST's
SRC#: 2304

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Nassau County Article XI "In Service" Tanks Database was April, 1995.

This database is provided by the Department of Environmental Conservation, Petroleum Bulk Storage Program. The New York Underground Storage Tank Database includes aboveground and aboveground tanks in all counties except Nassau. The statewide database contains information on Petroleum Bulk storage tanks; Hazardous Substance Bulk storage tanks; and Major Petroleum storage facilities.

UST's
SRC#: 2736

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Underground Storage Tank Database was November, 1995.

This database is provided by the Department of Environmental Conservation, Petroleum Bulk Storage Program. The New York Underground Storage Tank Database includes aboveground and aboveground tanks in all counties except Nassau. The statewide database contains information on Petroleum Bulk storage tanks; Hazardous Substance Bulk storage tanks; and Major Petroleum storage facilities.

AST's
SRC#: 2304

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Nassau County Article XI "In Service" Tanks Database was April, 1995.

This database is provided by the Nassau County Department of Health.

AST's
SRC#: 2736

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Aboveground Storage Tanks was November, 1995.

This database is provided by the Department of Environmental Conservation, Petroleum Bulk Storage Program.

TRIS
SRC#: 2587

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for TRIS was May, 1995.

Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III) of 1986 requires the EPA to establish an inventory of Toxic Chemicals emissions from certain facilities(Toxic Release Inventory System). Facilities subject to this reporting are required to complete a Toxic Chemical Release Form(Form R) for specified chemicals.

D) DATABASES SEARCHED TO 3/8 MILE

ERNS
SRC#: 2255

VISTA conducts a database search to identify all sites within .375 mile of your property.
The agency release date for ERNS was March, 1995.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of transportation. A search of the database records for the period October 1986 through September 1994 revealed the following information regarding reported spills of oil or hazardous substances in the stated area.

RCRA-LgGen
SRC#: 2685

VISTA conducts a database search to identify all sites within .375 mile of your property.
The agency release date for RCRIS was October, 1995.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-SmGen VISTA conducts a database search to identify all sites within .375 mile of your property.
SRC#: 2685 **The agency release date for RCRIS was October, 1995.**

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

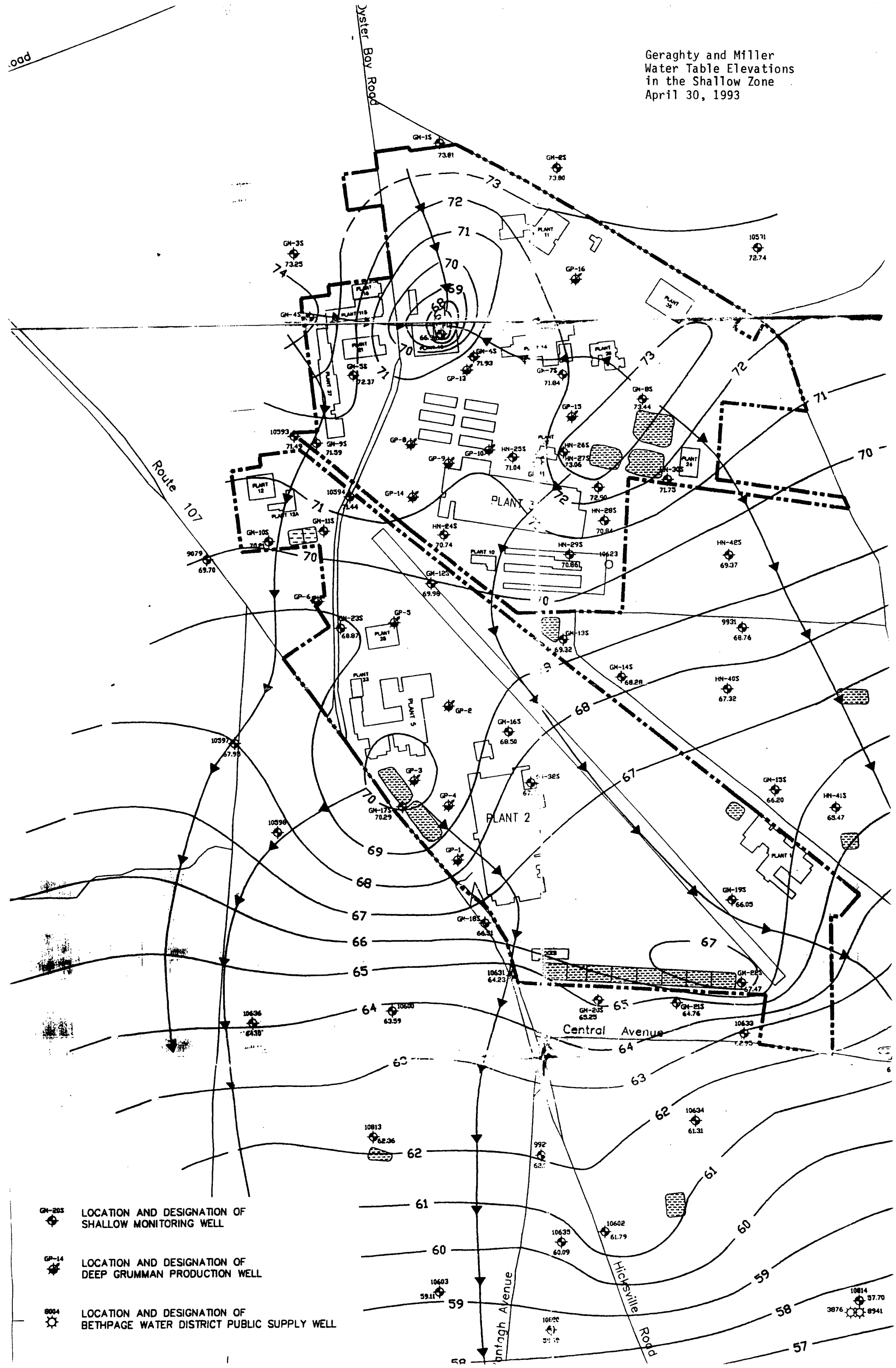
End of Report

Appendix D

APPENDIX D

SUPPLEMENTAL INFORMATION

Geraghty and Miller
Water Table Elevations
in the Shallow Zone
April 30, 1993

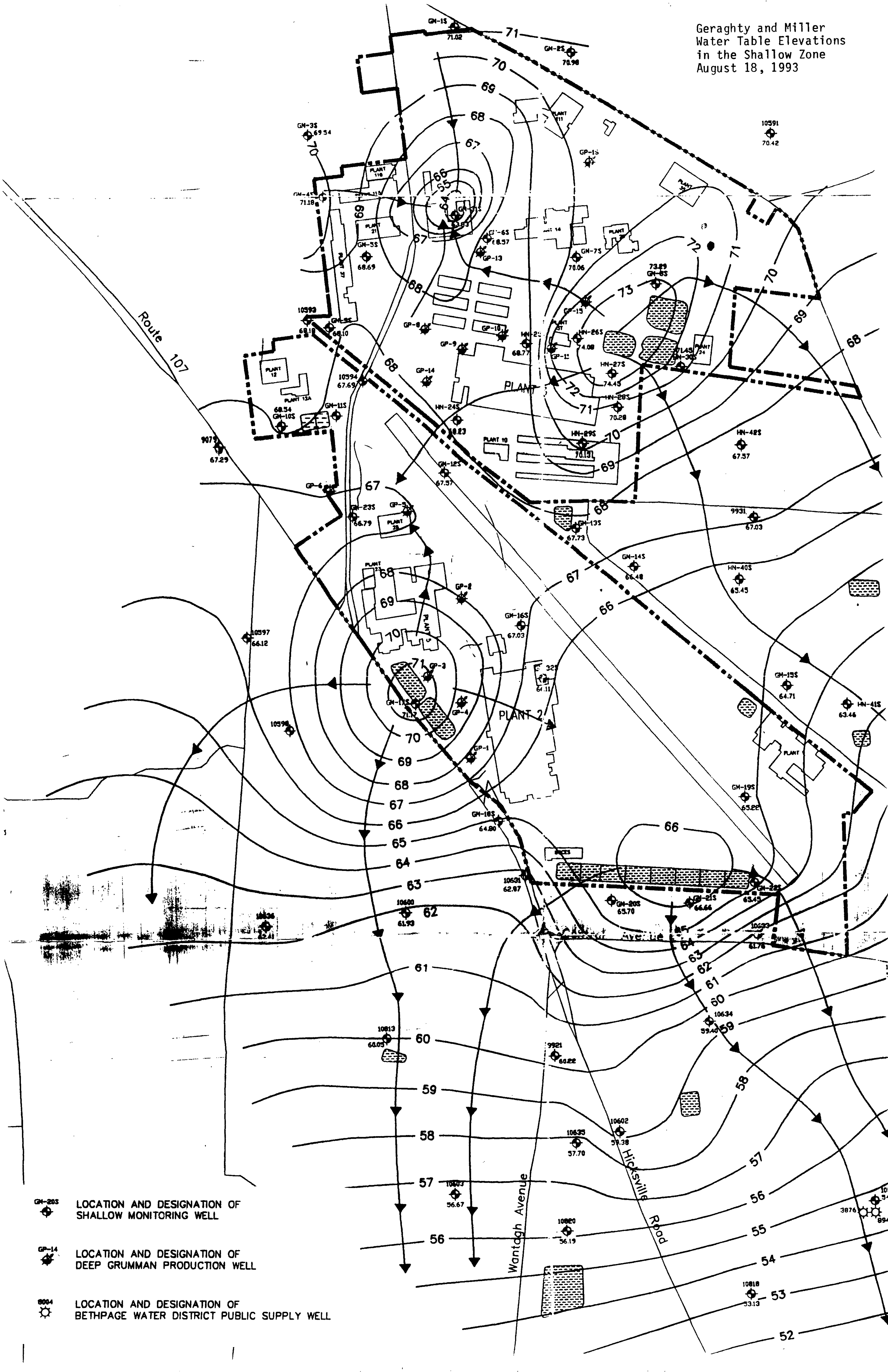


GM-20S — LOCATION AND DESIGNATION OF SHALLOW MONITORING WELL

GP-14 — LOCATION AND DESIGNATION OF DEEP GRUMMAN PRODUCTION WELL

8004 — LOCATION AND DESIGNATION OF BETHPAGE WATER DISTRICT PUBLIC SUPPLY WELL

Geraghty and Miller
Water Table Elevations
in the Shallow Zone
August 18, 1993



Appendix E

APPENDIX E

SANBORN MAPPING AND GEOGRAPHIC INFORMATION SERVICE

VISTA
INFORMATION SOLUTIONS, INC.

March 15, 1996

CLAIRE WERNER
DVIRKA & BARTILUCCI-WOODBURY
330 CROSSWAYS PARK DR
WOODBURY, NY 11797
Phone: 5163649890 Fax: 5163649045

Dear CLAIRE WERNER:

A SANBORN MAP-SITE SEARCH was conducted on the following address:

Name/Ref#: GRUMMAN AEROSPACE CORP-

Address: E OF S OYSTER BAY RD EXT/S OF LONG ISLAN
City/St/Zip: BETHPAGE, NY 11714

Vista Order#: 8881011

SANBORN certifies that a search was made of their holdings and no SANBORN MAPS are available. VISTA has this letter of certification on file. Your use of VISTA for this service is greatly appreciated.

Document Retrieval Services
VISTA INFORMATION SOLUTIONS, INC

5060 SHOREHAM PLACE ▼ SAN DIEGO, CA 92122 ▼ 619-450-6100 ▼ FAX 619-450-6195

Appendix F

APPENDIX F

REFERENCES

REFERENCES

Dvirka and Bartilucci Consulting Engineers, New York State Site Registry Delisting Petition Site 6 (Runway), Hicksville, New York, February 1993.

Geraghty and Miller, Remedial Investigation Report, Grumman Aerospace Corporation, Bethpage, New York, September 1994.

LKB Aerial Photographs: April 11, 1950; January 20, 1955; January 24, 1957; March 23, 1962; April 11, 1969; April 18, 1972; and March 8, 1988.

NYSDEC, Grumman Aerospace - Bethpage Facility Inactive Hazardous Waste Site #130003A, Bethpage, Nassau County Fact Sheet, October 1994.

United States Department of Agriculture, Soil Conservation Service, Soil Survey of Nassau County, New York, February 1987.

Vista Information Solutions Report ID: 0988811-001, March 7, 1996.

Appendix G

APPENDIX G

DELISTING PETITION

GRUMMAN AEROSPACE CORPORATION

NEW YORK STATE
SITE REGISTRY DELISTING PETITION
SITE 6 (RUNWAY)
HICKSVILLE, NEW YORK

PREPARED BY
DVIRKA AND BARTILUCCI CONSULTING ENGINEERS
SYOSSET, NEW YORK

FEBRUARY 1993

GRUMMAN AEROSPACE CORPORATION

NEW YORK STATE
SITE REGISTRY DELISTING PETITION
SITE 6 (RUNWAY)
HICKSVILLE, NEW YORK

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

Section 1

1.0 INTRODUCTION

Grumman Aerospace Corporation has directed the preparation of this report as part of an effort to satisfy the requirements for delisting a portion of the runway (Site 6), hereafter referred to as "the site," from the New York State Registry of Superfund Sites (Site Code 1-30-003). The site is located to the south of the intersection of the LIRR and the South Oyster Bay Road Extension in Hicksville, New York. Information presented in this report has been compiled based upon a site inspection undertaken on May 29, 1992; an evaluation of available aerial photographs (1950-1988); along with interviews of various Grumman personnel. File searches conducted at Grumman Aerospace Corporation, Nassau County Department of Health (NCDOH) and the Town of Oyster Bay did not reveal any relevant information of environmental significance. The purpose of this report is to determine and document the historical use of the site and the surrounding areas.

Section 2 of this document presents an evaluation of the site's history, present use and existing conditions, and the likelihood of potential adverse impacts from the federal Superfund site known as Hooker Chemical/Ruco Polymer. The procedures followed throughout the course of the field program are described in Section 3. The soil and groundwater sampling results, and the findings and conclusions of the site assessment, are presented in Section 4.

A location map is included in Appendix A, a current "Site Plan" is included in Appendix B, and aerial photographs of the site from 1950 through 1988 have been included in Appendix C. The report presents boring logs and the results of laboratory analyses of soil and groundwater samples in Appendices D and E, respectively.

Correspondence from the New York State Department of Environmental Conservation (NYSDEC) to the Grumman Aerospace Corporation provided a list of the "Delisting Petition Information" required for the Grumman properties. In order to facilitate the review of this document, the 14 items requested in the NYSDEC correspondence are listed on Table 1-1 with an appropriate response or a cross reference to the location of such response in this document. The information supplied in this document is of sufficient detail to enable the NYSDEC to determine the nature of the site's past and present operations, and assess the potential for any on-site contamination.

Table 1-1

DELISTING PETITION INFORMATION

	Requirement	Response
1.	Site Name	Grumman, Bethpage
	Owner	Grumman Aerospace Corporation
2.	Site Number	1-30-003
3.	Site Location	South Side of LIRR/ South Oyster Bay Road Extension Intersection Hicksville, Nassau County, NY 11801
4.	Size	Approx. 33 Acres
5.	Boundaries	See Appendices A, B and C
6.	Nature of Operation	See Sections 2.1 and 2.2
	Hazardous Waste Disposal	See Section 4
7.	History of Site	See Section 2.1
8.	History of Site Investigations	See Section 2.1 and 3
9.	Waste	See Section 2.2
10.	Affected Resources	See Sections 2.2 and 4
11.	Demographic Information	See Section 2.2
12.	Geographic Information	See Section 2.2
13.	Cleanup Actions	See Section 4
14.	Basis for Delisting	See Section 4

Section 2

2.0 SITE EVALUATION

Location: South Side of LIRR/South Oyster Bay Road Extension Intersection
Hicksville, New York 11801

Section: 46

Block: 323

Lots: 16A (Partial), 78B, 79, 80, 81, 82, 83, 84B, 85, 86, 87, 88 and 223 (Partial)

Zoning: Industrial H

Land Use(s): Runway/Heliport

Plot Size: Approx. 33 acres

Grumman Building: N/A

Building Area: N/A

2.1 Site History

As is apparent from a review of the earliest available aerial photograph of the site taken in 1950 (see Appendix C), only a portion of the existing runway was in existence at that date and the majority of the site and surrounding properties were undeveloped. The runway was extended to the northeast to its present configuration between 1950 and 1955. The site remains relatively unchanged from 1955 to 1962. Between 1962 and 1969, there appears to be the addition of a parking lot (Parking Area 25E) in the northwestern portion of the site in addition to the widening of existing and construction of new on-site roadways adjacent to the runway. The site then appears to remain relatively unchanged from 1969 to the date of the latest available aerial photograph taken on March 8, 1988. A May 29, 1992 site inspection did not identify any apparent on-site changes since the date of the March 8, 1988 aerial. Interviews with Grumman Aerospace Corporation personnel indicate that all aircraft maintenance and deicing procedures took place downgradient of the site in the vicinity of Plant 4, and that the runway was "closed" in August 1990. Since that time, the runway has been and continues to be utilized by the County to stage Nassau County Police helicopters.

Grumman utility maps indicate that two abandoned domestic waste lines originating from the location of a former wastewater treatment plant, located off-site to the west of the Long Island Rail Road/South Oyster Bay Road Extension intersection, and a "steam tunnel" from the cogeneration plant, located to the south of the runway, traverse the site. In addition, a review of Grumman utility maps and available aerial photographs revealed that the southeastern portion of the site was once utilized as a sanitary septic system/leaching field. According to interviews with

Grumman Aerospace Corporation personnel and a review of Grumman utility maps, this system was tied into Plant 2 and was utilized until this plant was connected to the Nassau County sewer system in the 1970s. Domestic waste lines from the off-site wastewater treatment facility also run adjacent to this septic system, but do not appear to be connected. The sanitary septic system/leaching field is no longer apparent on the 1988 aerial, and the May 29, 1992 site inspection only revealed the presence of manhole covers over the former leaching pools of the system.

2.2 General Site Description

The site is currently owned by Grumman Aerospace Corporation, and the on-site runway is used by the County to stage Nassau County Police helicopters. Private and/or commercial aircraft are permitted to use the runway for emergency purposes only. The entire site is zoned Industrial H and comprises approximately 33 acres. The site is surrounded by commercial development with areas of medium to high density residential development existing adjacent to the eastern corner of the site. The Site Plan is presented in Appendix B.

According to interviews with Grumman personnel, a review of agency files and Grumman records, there is no apparent evidence of the past or present existence of any on-site storage tanks.

The only permanent on-site structures identified by a review of Grumman utility maps, available aerial photographs (1950-1988) and the May 29, 1992 site inspection were a vacant guard booth, thrust deflectors along the perimeter of the runway, lighting fixtures, a NOAA survey marker and the Imhof tank and leaching pools associated with the former sanitary septic system. The southeastern portion of the site contains a network of abandoned leaching pools which were closed after Plant 2 was connected to the Nassau County sewer system. One manhole cover was opened during the May 29, 1992 site inspection and it was determined that the leaching pool was backfilled with sand. Grumman utility maps indicate that this leaching field comprises approximately two acres and contains approximately 120 "backfilled" leaching pools. The only existing evidence of the former sanitary septic system/leaching field is a network of manhole covers overlying the leaching pools. No areas of stressed vegetation were observed during the May 29, 1992 site inspection.

The site is generally level with good drainage. Catch basins are located throughout the site. The Soil Conservation Service (2/87) classifies the runway and Parking Area 25E as Urban Land with surrounding areas of Udipsaments (nearly level). Urban Land is defined as an area with at least 85 percent asphalt, concrete, or other impervious building material, with most of the remaining small areas of soil being well drained Riverhead, Hempstead, or Enfield soils, or excessively drained Udipsaments. Udipsaments (nearly level) are defined as manmade fills or borrow areas, most of which are grass-covered with slopes of 0 to 3 percent, which consists of very deep soils that are excessively drained to well drained. Based on measurements obtained during the installation of groundwater monitoring wells at the site, the depth from ground surface to the upper glacial aquifer is approximately 49 feet in the southern portion of the site and approximately 57 feet in the northern portion of the site.

2.3 Hooker Chemical Site

An element related to the delisting of the site is the proximity of the property to the Hooker Chemical/Ruco Polymer NPL site. This site has been on the federal Superfund list since 1984 and remains active. The site has been the subject of monitoring and investigations intended to identify the extent of contamination and hazard resulting from previous waste disposal practices at this site. A Remedial Investigation and Feasibility Study (RI/FS) has been conducted, with the associated field work completed in February 1990. The RI/FS identified two operable units at the Hooker Chemical site requiring remedial action.

Operable Unit 1 has necessitated the remediation of soil and groundwater contaminated by volatile organic compounds (VOCs) used in the various manufacturing processes employed by the facilities on-site. Operable Unit 2 pertains to a relatively small area of soil contaminated by PCBs resulting from releases of the heat transfer fluid Therminol. The migration of PCBs from the on-site structure referred to as the "Pilot Plant" to other portions of the site was enhanced by storm water runoff and on-site truck traffic. However, the extent of contaminated soil is contained entirely on the Hooker Chemical/Ruco Polymer site. No off-site contamination has been identified from Operable Unit 2. Remedial action involving Operable Unit 2 has been completed.

Until the EPA finalizes its review and releases all details concerning Operable Unit 1, it is not possible to fully characterize the extent of off-site impacts. However, the nearest area of the site proposed for delisting is located approximately 400 feet to the southeast of this area, and is

likely removed from any significant adverse conditions present at the Hooker Chemical/Ruco Polymer site. According to recent communication with the EPA, the RI report was approved on December 7, 1992. The EPA expects to have a Feasibility Study completed by May 1993. A Record of Decision on a Proposed Remedial Action Plan is targeted for June 30, 1993.

Section 3

3.0 FIELD PROGRAM

The following is a description of the field activities undertaken at the site in support of the delisting petition. Daily Field Activity Reports, which are available in the project file, provide documentation of the field program which included installation of three soil borings, installation of four monitoring wells, sampling of groundwater and soil, and air monitoring.

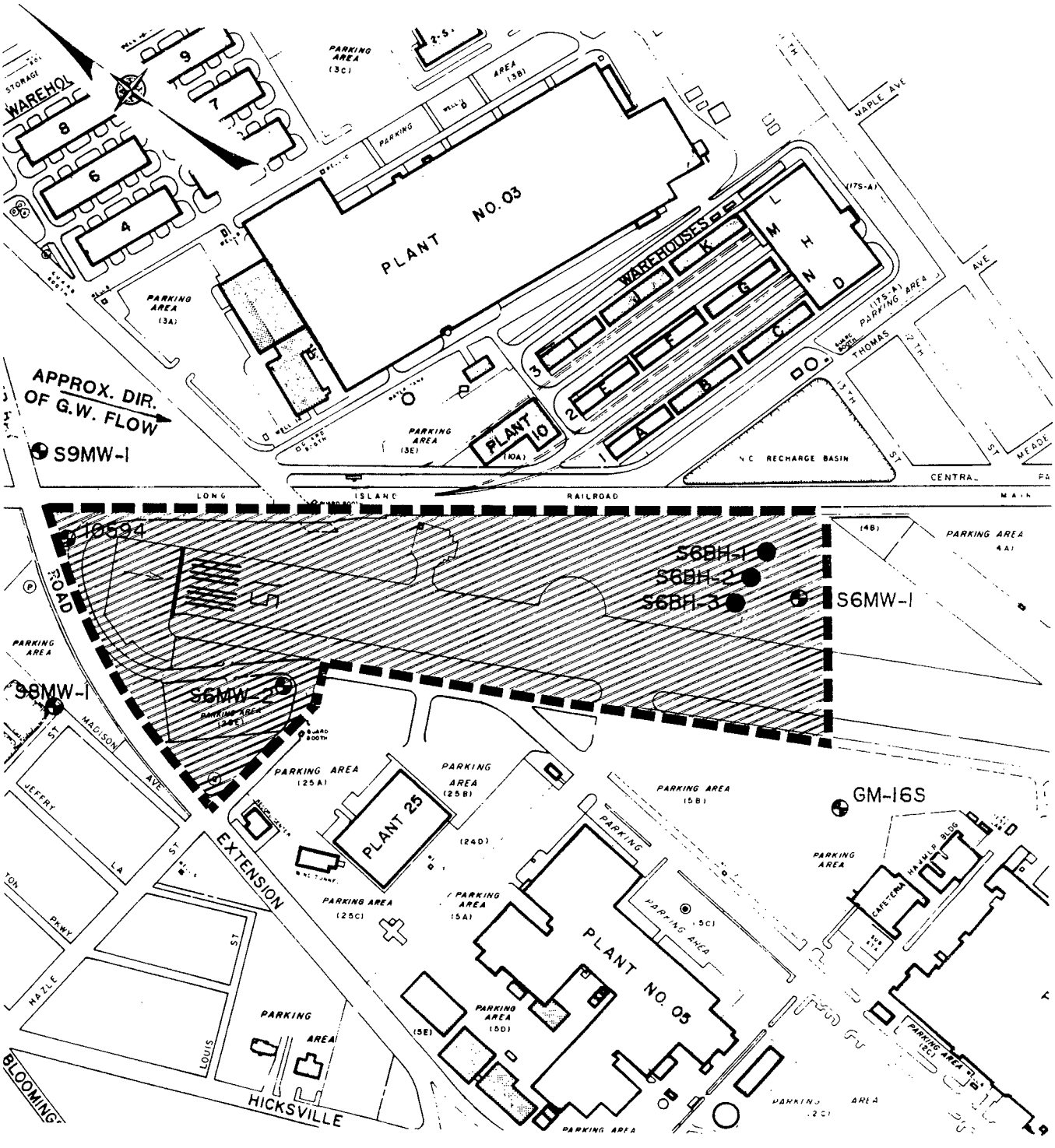
3.1 Monitoring Well Installation

An existing USGS well (NYS well ID #10594), located adjacent to the northern boundary of the site, was utilized as an upgradient well, and an existing Grumman Aerospace Corporation monitoring well (GM-16S), located to the south of the site, was utilized as a downgradient well. In addition, shallow upgradient monitoring wells were installed to the north and northwest of the site and shallow downgradient monitoring wells were installed in the eastern corner of Parking Area 25E and in the southeastern portion of the site.

Figure 3-1 presents the locations of these wells, and Figures 3-2 through 3-5 present the construction logs for the installed wells. The wells were installed in borings advanced using the hollow stem auger method of drilling. Well construction consisted of 2-inch I.D. PVC screen and casing with threaded joints. The bottom of the 15-foot, 0.010-inch slot screen was sealed with a threaded PVC plug. The following summarizes the depth of the screen and water table at each installed well:

Well ID	Depth of Screen	Depth of Water Table
S6MW-1	60 ft	48.5 ft
S6MW-2	70 ft	57 ft
S8MW-1	65 ft	55 ft
S9MW-1	71 ft	59.4 ft

A sandpack was installed around each screen using a tremie pipe. Above the sandpack, a minimum 2-foot thick bentonite seal was installed followed by grouting with a cement/bentonite grout for the remainder of the annulus to ground surface also using a tremie pipe. The wells were protected with a locking PVC cap and a steel flush mount vault with a bolted cover. Upon completion of well construction, the wells were developed using a submersible pump and/or bailed. The wells were considered developed when the discharge water measured 50 nephelometric turbidity units (NTUs) or less.



LEGEND

- SOIL BORING LOCATION
- MONITORING WELL LOCATION

200 0 200

Source: GAC GENERAL PLAN

GRUMMAN AEROSPACE CORPORATION
BETHPAGE FACILITY
SITE 6 (RUNWAY)

WELL AND BORING LOCATIONS

Dvirka and Bartilucci CONSULTING ENGINEERS

FIGURE 3 - 1

Dvirka and Bartilucci
CONSULTING ENGINEERS

WELL CONSTRUCTION LOG

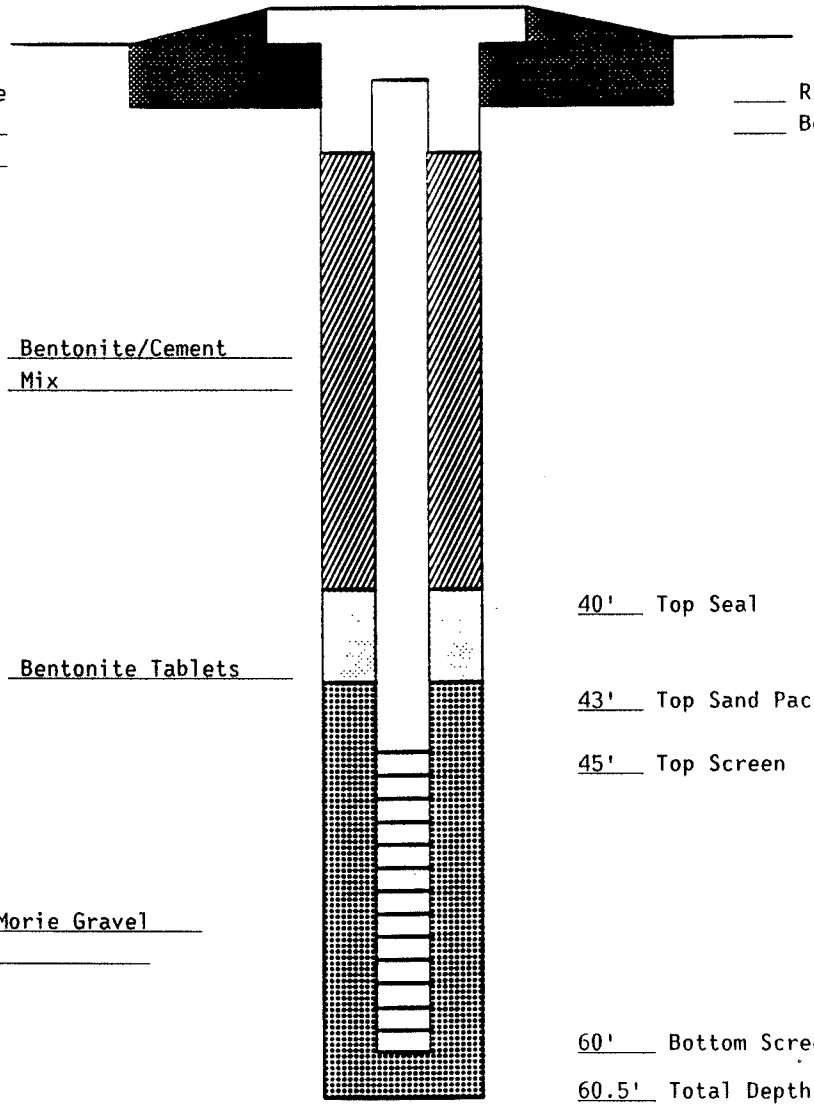
SITE Grumman Aerospace Corporation JOB NO. 1167 WELL NO. S6-MW-1

TOTAL DEPTH 60' SURFACE ELEV. _____ TOP RISER ELEV. _____

WATER LEVELS (DEPTH, DATE, TIME) 48.5' DATE INSTALLED 8/5/92

RISER DIA 2" MATERIAL PVC LENGTH 45'
SCREEN DIA 2" MATERIAL PVC LENGTH 15' SLOT SIZE 0.010"

SCHEMATIC



Ground Surface

Surface Seal Type Portland Cement

____ Riser Elevation
____ Bottom Surface Seal

Grout Type Bentonite/Cement Mix

40' Top Seal

Seal Type Bentonite Tablets

43' Top Sand Pack

45' Top Screen

Sand Pack Type Morie Gravel
Size Number One

60' Bottom Screen

60.5' Total Depth of Boring

2854G/1167/5

Dvirka and Bartilucci CONSULTING ENGINEERS

WELL CONSTRUCTION LOG

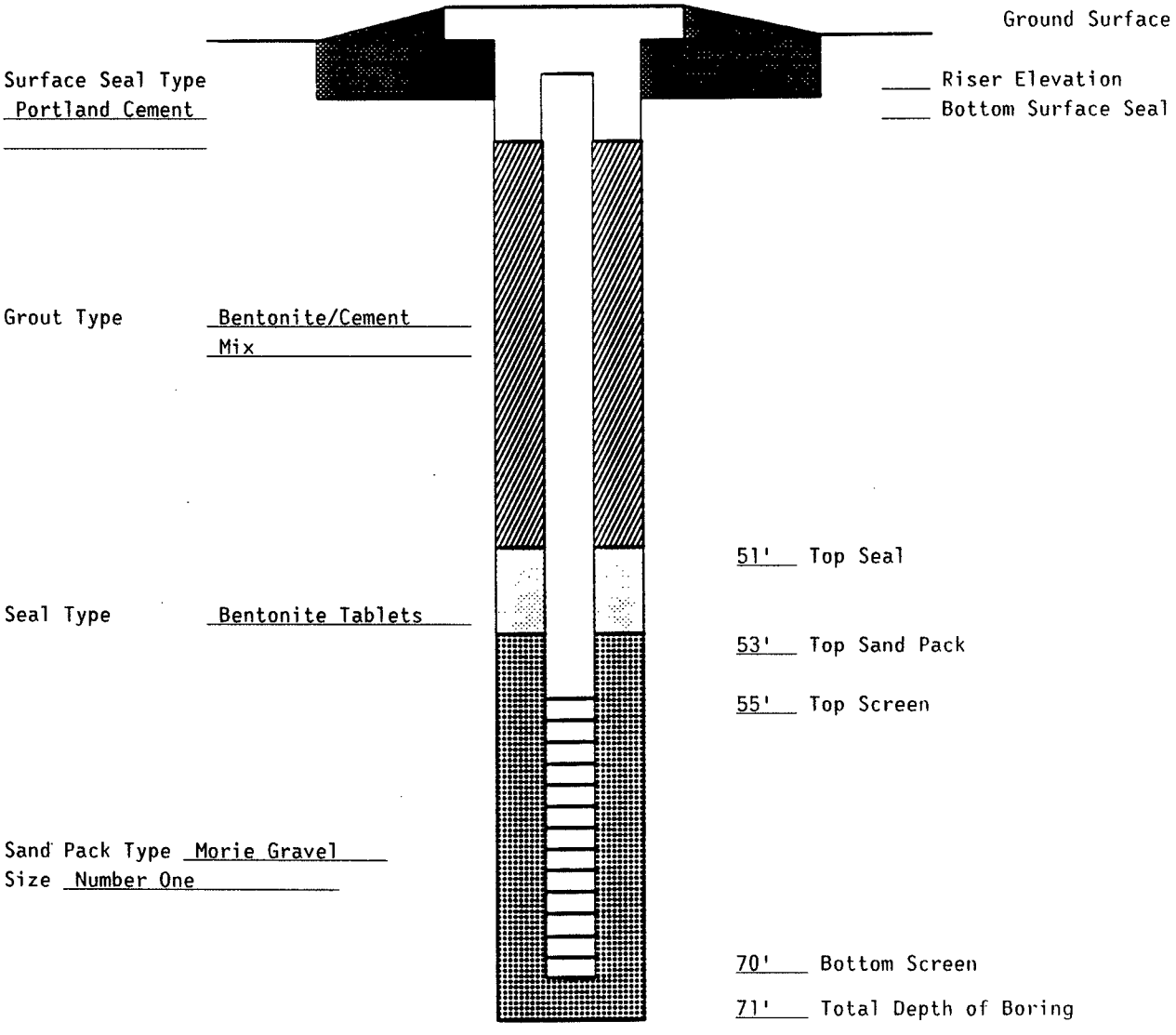
SITE Grumman Aerospace Corporation JOB NO. 1167 WELL NO. S6-MW-2

TOTAL DEPTH 70' SURFACE ELEV. _____ TOP RISER ELEV. _____

WATER LEVELS (DEPTH, DATE, TIME) 56.9 9 am DATE INSTALLED 8/11/92

RISER DIA 2" MATERIAL PVC LENGTH 55'
SCREEN DIA 2" MATERIAL PVC LENGTH 15' SLOT SIZE 0.010"

SCHEMATIC



2854G/1167/6

Dvirka and Bartilucci CONSULTING ENGINEERS

WELL CONSTRUCTION LOG

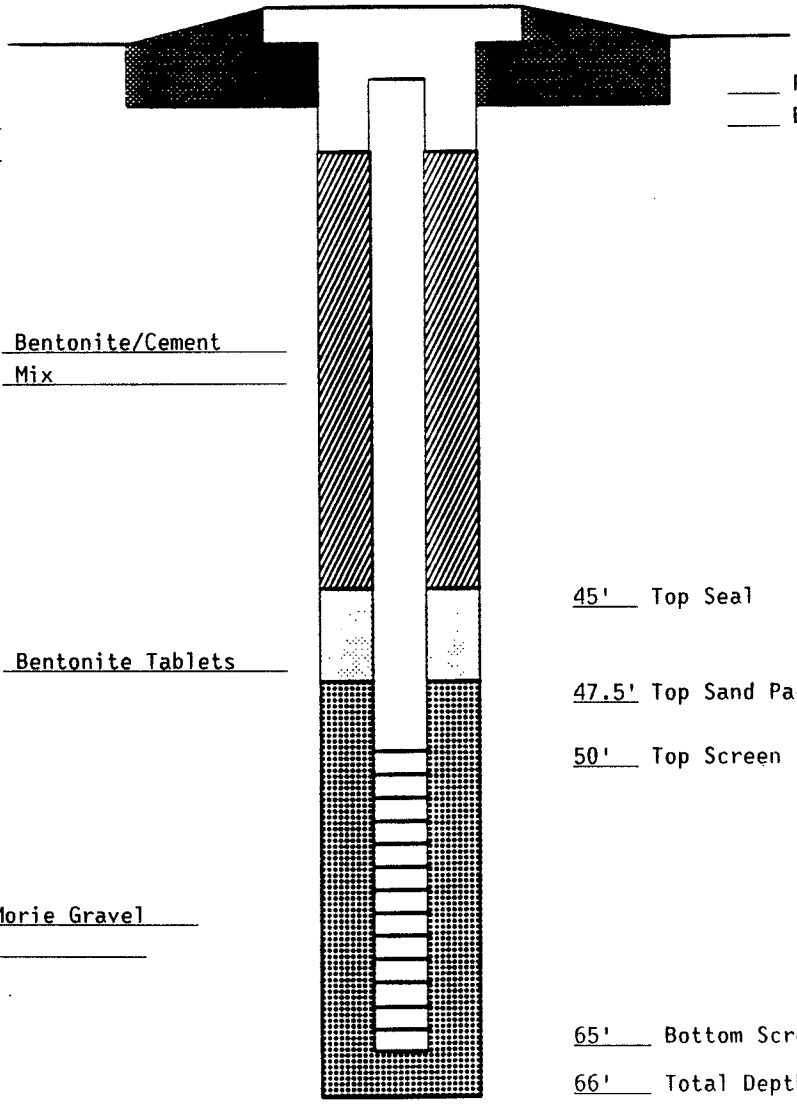
SITE Grumman Aerospace Corporation JOB NO. 1167 WELL NO. S8-MW-1

TOTAL DEPTH 65' SURFACE ELEV. _____ TOP RISER ELEV. _____

WATER LEVELS (DEPTH, DATE, TIME) 55.3' 12:30 pm DATE INSTALLED 8/13/92

RISER DIA 2" MATERIAL PVC LENGTH 50'
SCREEN DIA 2" MATERIAL PVC LENGTH 15' SLOT SIZE 0.010"

SCHEMATIC



2854G/1167/7

Dvirka and Bartilucci CONSULTING ENGINEERS

WELL CONSTRUCTION LOG

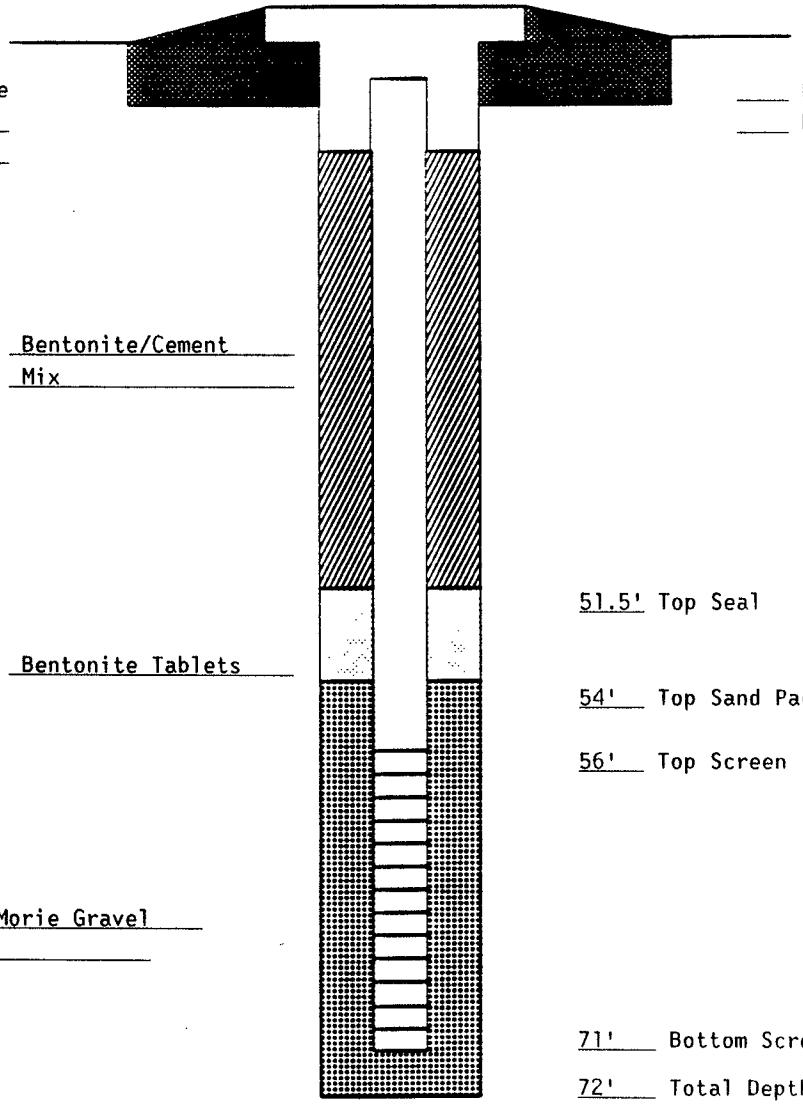
SITE Grumman Aerospace Corporation JOB NO. 1167 WELL NO. S9-MW-1

TOTAL DEPTH 71' SURFACE ELEV. _____ TOP RISER ELEV. _____

WATER LEVELS (DEPTH, DATE, TIME) 59.4' DATE INSTALLED 7/23/92

RISER DIA 2" MATERIAL PVC LENGTH 56'
SCREEN DIA 2" MATERIAL PVC LENGTH 15' SLOT SIZE 0.010"

SCHEMATIC



2854G/1167/1

3.2 Monitoring Well Borehole Soil Sampling

During construction of the monitoring well boreholes, split spoon samples were collected continuously for the first 10 feet and every 5 feet from that point on to the well completion depth. Appendix D includes the boring logs for the monitoring well boreholes installed as part of this project.

Fourteen split spoon samples were obtained from the S6MW-1 borehole. The split spoon samples indicated that the soil in the area of S6MW-1 was mostly brown/orange/tan coarse sand with some to little gravel to a depth of 35 feet and light tan/gray/light white fine sand with trace amounts of gray clay/sand lenses to a depth of 57 feet. Sixteen split spoon samples were obtained from the S6MW-2 borehole. The samples indicated that the soil in the area of S6MW-2 is mostly brown/light orange/tan coarse to medium to fine sand with some gravel to a depth of 35 feet, brown/gray/black clay to a depth of 56 feet and gray/brown fine sand to a depth of 67 feet. Fifteen split spoon samples were obtained from the S8MW-1 borehole. The samples indicated that the soil in the area of S8MW-1 is mostly brown/light orange fine to medium to coarse sand with little gravel to a depth of 30 feet, light brown/white/pink clayey sand to a depth of 42 feet and brown/gray silty fine sand to a depth of 65 feet. Seventeen split spoon samples were obtained from the S9MW-1 borehole. The samples indicated that the soil in the area of S9MW-1 is mostly brown/tan medium to coarse sand with some gravel to a depth of 34 feet and mostly light tan/light gray fine sand to a depth of 71 feet.

Field screening of the split spoon samples collected from the S6MW-1 borehole, taken with an organic vapor analyzer during construction, did not indicate readings above ambient conditions, and there was no apparent indication of contamination in the S6MW-1 borehole associated with discoloration, odor or soil texture. A soil sample for laboratory analysis was obtained from the split spoon sample collected at the 4 to 6-foot interval from the S6MW-1 borehole. Field screening of the split spoon samples collected from the S6MW-2 borehole, taken with an organic vapor analyzer, detected a 100 ppm reading above ambient from the 2 to 4-foot interval and a 10 ppm reading above ambient from the 4 to 6-foot interval. There was no apparent indication of contamination in the S6MW-2 borehole associated with odor or soil texture; however, the split spoon samples collected at the 2 to 4 and 4 to 6-foot intervals were apparently stained. A soil sample for laboratory analysis was obtained from the split spoon sample collected from the 2 to 4-foot interval of borehole S6MW-2. The soil samples were analyzed for volatile organics using USEPA SW-846 Method 8010/8020 and total petroleum hydrocarbons (TPHCs) using USEPA Method 418.1. The analytical results from the monitoring well borehole soil samples are presented in Section 4.

3.3 Soil Boring Sampling

Soil samples were obtained from three soil borings located within the boundaries of the abandoned septic system/leaching field. The boring logs are presented in Appendix D. The hollow stem auger method of drilling was utilized for the soil borings, and each boring was advanced to a depth of 30 feet. Continuous split spoon sampling of the three soil borings was performed from the 20 to 30-foot interval, and samples were collected from the 24 to 26-foot intervals for laboratory analysis of volatile organics using USEPA SW-846 Method 8010/8020, total petroleum hydrocarbons using USEPA Method 418.1 and metals using Method 6010. The analytical results from the soil boring samples are presented in Section 4.

3.4 Groundwater Sampling

Prior to well sampling, a minimum of three times the volume of standing water in the casing and sandpack from each well (10594, GM-16S, S6MW-1, S6MW-2, S8MW-1 and S9MW-1) was removed with a bailer. One sample was collected from each well for laboratory analysis. The water samples were analyzed for volatile organics using Method 624 and metals using USEPA SW-846 Method 6010. The analytical results from the groundwater samples are presented in Section 4.

3.5 Volatile Organics Monitoring

During the drilling of the monitoring wells, no volatile organic vapors were detected in the workers' breathing zone. The air monitoring results were documented on daily Air Monitoring Forms which are available in the project file. Prior to use, the organic vapor analyzer (OVA-128), which is a flame ionization detector, was calibrated with 95 percent methane gas/zero air. The Equipment Calibration Logs are also available in the project file. As described previously, the split spoon samples were also monitored for volatile organics utilizing the OVA-128. No significant levels of volatile organics were detected from the S6MW-1 borehole; however, a 100 ppm reading above ambient was obtained from the sample collected at the 2 to 4-foot interval, and a 10 ppm reading above ambient was obtained from the sample collected at the 4 to 6-foot interval from the S6MW-2 borehole.

Section 4

4.0 FINDINGS AND CONCLUSIONS

The volatile organic analytical results from the groundwater samples are compared to the New York State Department of Health (NYSDOH) Drinking Water Standards. Soil sample results are compared to recommended soil cleanup objectives as identified in the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM 4046). The results are discussed in detail by matrix in the following sections.

4.1 Monitoring Well Borehole Soil Sampling

One soil sample was collected from each of the monitoring well boreholes and analyzed for volatile organics and total petroleum hydrocarbons (TPHCs). The results of these analyses are presented on Table 4-1 with the associated soil sampling field blank results presented on Table 4-2. In the soil samples collected from S6MW-1 and S6MW-2, methylene chloride was detected. In sample S6MW-1, methylene chloride was detected at 11.0 ug/kg, and in sample S6MW-2, methylene chloride was detected at 16.0 ug/kg. However, since methylene chloride was also detected in the field blank, and the compound is a common laboratory chemical, its presence in the environmental samples can be attributed to laboratory contamination. Toluene was also detected at 0.8 ug/kg in sample S6MW-2. However, all organic constituents were detected in concentrations that were well below the referenced cleanup objectives.

The levels of total petroleum hydrocarbons for S6MW-1 and S6MW-2 are also presented on Table 4-1. In sample S6MW-1 and S6MW-2 the levels of TPHCs was detected at 142 mg/kg and 220 mg/kg, respectively, utilizing EPA Method 418.1. As previously mentioned, there is no evidence of any prior fuel spills or releases, nor was there any evidence of either discoloration or petroleum odors associated with the geologic or laboratory samples collected.

To determine if the TPHCs detected were attributable to fuel-related compounds, the sample was also analyzed utilizing NYSDOH Method 310-13. The analytical results for samples S6MW-1 and S6MW-2 utilizing Method 310-13 are presented in Table 4-1 and indicate that the fuel-related constituents such as gasoline, lubricating oil, kerosene and fuel oil were not detected above the method detection limit. Therefore, it appears that the TPHCs detected in the monitoring well borehole soil samples are not associated with any fuel-related spills.

TABLE 4-1
GRUMMAN AEROSPACE CORPORATION
SITE 6 (RUNWAY)
SOIL SAMPLING
VOLATILE ORGANICS AND TOTAL PETROLEUM HYDROCARBONS

SAMPLE ID	S6MW1S	S6MW2S	S6BH1S	S6BH2S	S6BH3S	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES
SAMPLE DEPTH	(4'-6')	(2'-4')	(24'-26')	(24'-26')	(24'-26')	
DATE COLLECTED	08/05/92	08/10/92	08/03/92	08/04/92	08/04/92	
MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	
%MOISTURE	2	10	3	4	3	
DILUTION FACTOR	1	1	1	1	1	
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
PARAMETER						
Chloromethane	U	U	U	U	U	----
Bromomethane	U	U	U	U	U	----
Vinyl chloride	U	U	U	U	U	200
Chloroethane	U	U	U	U	U	1900
Methylene chloride	11.0 B	16.0 B	U	U	U	100
1,1-Dichloroethene	U	U	U	U	U	400
1,1-Dichloroethane	U	U	U	U	U	200
1,2-Dichloroethene (trans)	U	U	U	U	U	300
Chloroform	U	U	U	U	U	300
1,2-Dichloroethane	U	U	U	U	U	100
1,1,1-Trichloroethane	U	U	U	U	U	800
Carbon tetrachloride	U	U	U	U	U	600
Bromodichloromethane	U	U	U	U	U	----
1,2-Dichloropropane	U	U	U	U	U	----
cis-1,3-Dichloropropene	U	U	U	U	U	----
Trichloroethene	U	U	U	U	U	700
Dibromochloromethane	U	U	U	U	U	----
1,1,2-Trichloroethane	U	U	U	U	U	----
Benzene	U	U	U	U	U	60
trans-1,3-Dichloropropene	U	U	U	U	U	----
Bromoform	U	U	U	U	U	----
Tetrachloroethene	U	U	U	U	U	1400
1,1,2,2-Tetrachloroethane	U	U	U	U	U	600
Toluene	U	0.8 J	U	U	U	1500
Chlorobenzene	U	U	U	U	U	1700
Ethylbenzene	U	U	U	U	U	5500
Xylene (total)	U	U	U	U	U	1200
2-Chloroethylvinylether	U	U	U	U	U	----
Trichlorofluoromethane	U	U	U	U	U	----
1,2-Dichlorobenzene	U	U	U	U	U	7900
1,3-Dichlorobenzene	U	U	U	U	U	1600
1,4-Dichlorobenzene	U	U	U	U	U	8500
Total Petroleum Hydrocarbons (mg/kg)	142	220	130	112	98.9	----
Gasoline	U	U	U	U	U	----
Lubricating Oil	U	U	U	U	U	----
Kerosene	U	U	U	U	U	----
Fuel Oil	U	U	U	U	U	----

QUALIFIERS:
U: Analyzed for but not detected
B: Compound found in method blank as well as sample
J: Compound found below detection limits

NOTE:
----: Not Established

TABLE 4-2
GRUMMAN AEROSPACE CORPORATION
SITE 6 (RUNWAY)
SOIL SAMPLING FIELD BLANK
VOLATILE ORGANICS AND TOTAL PETROLEUM HYDROCARBONS

SAMPLE ID	S9FBS	
SAMPLE DEPTH		
DATE COLLECTED	07/27/92	
MATRIX	WATER	
%MOISTURE	NA	
DILUTION FACTOR	1	
UNITS	(ug/l)	
PARAMETER		
Chloromethane		U
Bromomethane		U
Vinyl chloride		U
Chloroethane		U
Methylene chloride	2.9	B
1,1-Dichloroethene		U
1,1-Dichloroethane		U
1,2-Dichloroethene (trans)		U
Chloroform		U
1,2-Dichloroethane		U
1,1,1-Trichloroethane		U
Carbon tetrachloride		U
Bromodichloromethane		U
1,2-Dichloropropane		U
cis-1,3-Dichloropropene		U
Trichloroethene		U
Dibromochloromethane		U
1,1,2-Trichloroethane		U
Benzene		U
trans-1,3-Dichloropropene		U
Bromoform		U
Tetrachloroethene		U
1,1,2,2-Tetrachloroethane		U
Toluene		U
Chlorobenzene		U
Ethylbenzene		U
Xylene (total)		U
2-Chloroethylvinylether		U
Trichlorofluoromethane		U
1,2-Dichlorobenzene		U
1,3-Dichlorobenzene		U
1,4-Dichlorobenzene		U
Total Petroleum Hydrocarbons		U

QUALIFIERS:
U: Analyzed for but not detected
B: Compound found in method blank as well as sample

4.2 Soil Boring Sampling

In addition to presenting the analytical results obtained from the soil samples collected from the monitoring well boreholes, Table 4-1 also presents the volatile organic and TPHC results for the soil samples collected from each of the three 30-foot deep soil borings. There were no volatile organics detected. The levels of total petroleum hydrocarbons detected in samples S6BH-1, S6BH-2 and S6BH-3 were 130 mg/kg, 112 mg/kg and 98.9 mg/kg, respectively. Additional analyses on each of the preceding samples utilizing Method 310-13 indicated that the fuel-related constituents such as gasoline, lubricating oil, kerosene and fuel oil were not detected above the method detection limit. Therefore, it appears that the TPHCs detected in the soil boring samples are not associated with any fuel-related spills.

The results of the inorganic analyses of the soil samples and the associated field blank are presented on Tables 4-3 and 4-4, respectively. As indicated on Table 4-3, several inorganic constituents were detected in the samples. However, all inorganic constituents were detected in concentrations that were well below the referenced cleanup objectives.

4.3 Groundwater Sampling

One groundwater sample was collected from each monitoring well and analyzed for volatile organic and inorganic constituents. The results of the volatile organic analyses of the groundwater samples and the associated field and trip blanks are presented on Tables 4-5 and 4-6, respectively. Methylene chloride was detected in groundwater samples S9MW-1 and GM16S at concentrations of 4 ug/l and 8 ug/l, respectively. However, since methylene chloride was also detected in the field and trip blanks, and the compound is a common laboratory chemical, its presence in the environmental samples can be attributed to laboratory contamination. Toluene was detected slightly above the NYSDOH drinking water standard in GM16S at a concentration of 6 ug/l. However, since toluene was also detected in the method blank, its presence in the environmental sample can also be attributed to laboratory contamination. Trichloroethene was detected above the NYSDOH drinking water standard in S6MW-1 at a concentration of 42 ug/l. This monitoring well is located on the southeastern border of the site and is directly

TABLE 4-3
GRUMMAN AEROSPACE CORPORATION
SITE 6 (RUNWAY)
SOIL SAMPLING
INORGANIC CONSTITUENTS

SAMPLE ID	S6BH1S	S6BH2S	S6BH3S	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES
SAMPLE DEPTH	(24'-26')	(24'-26')	(24'-26')	
DATE COLLECTED	08/03/92	08/04/92	08/04/92	
MATRIX	SOIL	SOIL	SOIL	
% SOLIDS	96.6	96.5	97.1	
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
PARAMETER				
Antimony	U	U	U	SB
Arsenic	U	U	U	7.5 or SB
Beryllium	U	U	U	1.0 or SB
Cadmium	U	U	U	1 or SB
Chromium	6.0	2.5	3.5	10 or SB
Copper	U	4.0 B	2.9 B	25 or SB
Lead	1.3	3.4	3.0	30 or SB
Mercury	U	U	U	0.1
Nickel	6.1 B	4.3 B	U	13 or SB
Selenium	U	U	U	2 or SB
Silver	U	U	U	SB
Thallium	U	U	U	SB
Zinc	8.7	10.2	7.3	20 or SB

QUALIFIERS:
U: Analyzed for but not detected
B: Value less than contract required detection limits but greater than instrument detection limits.

NOTE:
SB: Site Background

TABLE 4-4
GRUMMAN AEROSPACE CORPORATION
SITE 6 (RUNWAY)
SOIL SAMPLING FIELD BLANK
INORGANIC CONSTITUENTS

SAMPLE ID	S9FBS
SAMPLE DEPTH	
DATE COLLECTED	07/27/92
MATRIX	WATER
% SOLIDS	0.0
UNITS	(ug/l)
PARAMETER	
Antimony	U
Arsenic	U
Beryllium	U
Cadmium	U
Chromium	U
Copper	U
Lead	U
Mercury	U
Nickel	U
Selenium	U
Silver	U
Thallium	U
Zinc	U

QUALIFIERS:
U: Analyzed for but not detected

TABLE 4-5
GRUMMAN AEROSPACE CORPORATION
SITE 6 (RUNWAY)
GROUNDWATER SAMPLING
VOLATILE ORGANICS

SAMPLE ID	S6MW1	S6MW2	S8MW1	S9MW1	USGS10594	GM16S	NYSDOH DRINKING WATER STANDARDS
DATE COLLECTED	08/31/92	09/02/92	09/01/92	08/31/92	09/01/92	09/03/92	
SAMPLE VOLUME	5 ml	5 ml	5 ml	5 ml	5 ml	5 ml	
DILUTION FACTOR	1	1	1	1	1	1	
UNITS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
PARAMETER							
Chloromethane	U	U	U	U	U	U	5
Bromomethane	U	U	U	U	U	U	5
Vinyl chloride	U	U	U	U	U	U	2
Chloroethane	U	U	U	U	U	U	5
Methylene chloride	U	U	U	4 J	U	8 BJ	5
Acetone	U	U	U	U	U	U	50
Carbon disulfide	U	U	U	U	U	U	50
1,1-Dichloroethene	U	U	U	U	U	U	5
1,1-Dichloroethane	U	U	U	U	U	U	5
1,2-Dichloroethene (total)	1 J	U	U	U	U	U	5
Chloroform	U	U	U	U	U	U	100**
1,2-Dichloroethane	U	U	U	U	U	U	5
2-Butanone	U	U	U	U	U	U	5
1,1,1-Trichloroethane	U	U	U	U	U	U	5
Carbon tetrachloride	U	U	U	U	U	U	5
Bromodichloromethane	U	U	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	U	U	U	5
Trichloroethene	42	U	1 J	U	3 J	U	5
Dibromochloromethane	U	U	U	U	U	U	100**
1,1,2-Trichloroethane	U	U	U	U	U	U	5
Benzene	U	U	U	U	U	U	5
trans-1,3-Dichloropropene	U	U	U	U	U	U	5
Bromoform	U	U	U	U	U	U	100**
4-Methyl-2-Pentanone	U	U	U	U	U	U	5
2-Hexanone	U	U	U	U	U	U	5
Tetrachloroethene	U	U	U	U	U	U	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	5
Toluene	U	U	U	U	U	6 BJ	5
Chlorobenzene	U	U	U	U	U	U	5
Ethylbenzene	U	U	U	U	U	U	5
Styrene	U	U	U	U	U	U	5
Xylene (total)	U	U	U	U	U	U	5

QUALIFIERS:
U: Analyzed for but not detected
B: Compound found in method blank as well as sample
J: Compound found below detection limit

NOTES:
**: Applies to the sum of trihalomethanes
: Exceeds standard value

TABLE 4-6
GRUMMAN AEROSPACE CORPORATION
SITE 6 (RUNWAY)
GROUNDWATER SAMPLING
FIELD BLANK AND TRIP BLANKS
VOLATILE ORGANICS

SAMPLE ID	FIELD BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
DATE COLLECTED	08/27/92	08/27/92	08/31/92	09/02/92
SAMPLE VOLUME	5 ml	5 ml	5 ml	5 ml
DILUTION FACTOR	1	1	1	1
UNITS	(ug/l)	(ug/l)	(ug/l)	(ug/l)
PARAMETER				
Chloromethane	U	U	U	U
Bromomethane	U	U	U	U
Vinyl chloride	U	U	U	U
Chloroethane	U	U	U	U
Methylene chloride	3 J	3 J	7 J	2 J
Acetone	5 BJ	6 BJ	U	U
Carbon disulfide	U	U	U	U
1,1-Dichloroethene	U	U	U	U
1,1-Dichloroethane	U	U	U	U
1,2-Dichloroethene (total)	U	U	U	U
Chloroform	U	U	U	U
1,2-Dichloroethane	U	U	U	U
2-Butanone	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U
Carbon tetrachloride	U	U	U	U
Bromodichloromethane	U	U	U	U
1,2-Dichloropropane	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U
Trichloroethene	U	U	U	U
Dibromochloromethane	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U
Benzene	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U
Bromoform	U	U	U	U
4-Methyl-2-Pentanone	U	U	U	U
2-Hexanone	U	U	U	U
Tetrachloroethene	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U
Toluene	U	U	U	U
Chlorobenzene	U	U	U	U
Ethylbenzene	U	U	U	U
Styrene	U	U	U	U
Xylene (total)	U	U	U	U

QUALIFIERS:
U: Analyzed for but not detected
B: Compound found in method blank as well as sample
J: Compound found below detection limit

downgradient of the on-site leaching field associated with the former sanitary septic system of Plant 2 (located to the east of the site). As previously mentioned, the network of abandoned leaching pools were closed and backfilled after Plant 2 was connected to the Nassau County sewer system sometime in the 1970s. All other volatile organics were either not detected or were detected at concentrations well below the NYSDOH drinking water standards. It should also be noted that S6MW-1 is located downgradient of Plant 3. Previous studies have shown that Plant 3 appears to be a likely source of groundwater contamination.

The results of inorganic analysis of the groundwater samples and the associated field blank are presented on Tables 4-7 and 4-8, respectively. As indicated on Table 4-7, several inorganic constituents were detected in the groundwater samples obtained from the monitoring wells associated with the site. The only inorganic constituent detected above the NYSDOH drinking water standard was lead in sample USGS-10594. However, it should be noted that this sample could not be obtained at a turbidity of less than 50 NTUs. As a result, an additional groundwater sample from this location was filtered to remove soil particles prior to laboratory analysis. As indicated on Table 4-7, lead was not detected in the filtered sample (USGS-10594F). Therefore, it appears that the excess levels of lead in the location of the USGS monitoring well is attributable to soil contamination and is not indicative of groundwater quality. As a result, it can be concluded that all inorganic constituents related to groundwater quality were detected in concentrations that were well below the NYSDOH drinking water standards.

Furthermore, the location of USGS-10594 is adjacent to the intersection of South Oyster Bay Road Extension and the Long Island Railroad, and appears to be approximately 6 feet to the west of the site's western boundary. The on-site areas in the vicinity of the USGS well are comprised of grass and wooded areas with no apparent evidence of any stressed vegetation or previous industrial activity. Therefore, it does not appear that any soil contamination in this area would be attributable to on-site locations.

4.4 Conclusions

A review of agency and Grumman files revealed no records pertaining to any chemical and/or fuel spills on-site. Furthermore, according to interviews with Grumman personnel and a review of agency files and Grumman records, there is no apparent evidence of the past or present existence of any on-site storage tanks. Based on the site history and visual inspection performed on May 29, 1992, it does not appear that on-site operations have resulted in any chemical and/or

TABLE 4-7
GRUMMAN AEROSPACE CORPORATION
SITE 6 (RUNWAY)
GROUNDWATER SAMPLING
INORGANIC CONSTITUENTS

SAMPLE ID	S6MW1	S6MW1F	USGS10594	USGS10594F	NYSDOH DRINKING WATER STANDARDS
DATE COLLECTED	08/31/92	08/31/92	09/02/92	09/02/92	
UNITS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
PARAMETER					
Antimony	U	U	U	U	----
Arsenic	23.8	25.0	U	U	50
Beryllium	U	U	U	U	----
Cadmium	U	U	U	U	10
Chromium	15.0	6.1 B	23.5	U	50
Copper	37.2	37.2	114	U	1000
Lead	11.7	4.1	249	U	50
Mercury	0.45	0.34	0.54	U	2
Nickel	U	U	90.9	33.4 B	----
Selenium	U	U	U	U	10
Silver	U	U	17.3	U	50
Thallium	U	U	U	U	----
Zinc	16.3 B	13.5 B	208	22.0	5000

QUALIFIERS:
U: Analyzed for but not detected
B: Value less than contract required detection limits but greater than instrument detection limits.
F: Filtered sample

NOTES:
----: Not established
: Exceeds standard value

TABLE 4-7 (continued)
GRUMMAN AEROSPACE CORPORATION
SITE 6 (RUNWAY)
GROUNDWATER SAMPLING
INORGANIC CONSTITUENTS

SAMPLE ID	S6MW2	S8MW1	S9MW1	GM16S	NYSDOH DRINKING WATER STANDARDS
DATE COLLECTED	09/02/92	09/01/92	08/31/92	09/03/92	
UNITS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
PARAMETER					
Antimony	U	U	U	U	----
Arsenic	U	U	U	U	50
Beryllium	U	U	3.9 B	U	----
Cadmium	U	U	U	U	10
Chromium	U	U	11.7	U	50
Copper	U	U	21.2 B	U	1000
Lead	6.7	U	U	U	50
Mercury	U	U	U	U	2
Nickel	32.8 B	U	U	U	----
Selenium	U	U	U	U	10
Silver	U	U	U	U	50
Thallium	U	U	U	U	----
Zinc	1020	18.1 B	16.1 B	U	5000

QUALIFIERS:
U: Analyzed for but not detected
B: Value less than contract required detection limits but greater than instrument detection limits.

NOTES:
----: Not established

TABLE 4-8
GRUMMAN AEROSPACE CORPORATION
SITE 6 (RUNWAY)
GROUNDWATER SAMPLING
FIELD BLANK
INORGANIC CONSTITUENTS

SAMPLE ID	FIELD BLANK
DATE COLLECTED	08/27/92
UNITS	(ug/l)
PARAMETER	
Antimony	U
Arsenic	U
Beryllium	U
Cadmium	U
Chromium	U
Copper	U
Lead	U
Mercury	U
Nickel	U
Selenium	U
Silver	U
Thallium	U
Zinc	U

QUALIFIERS:
U: Analyzed for but not detected

fuel spills or releases. With the exception of trichloroethene, which was detected in S6MW-1 at a concentration of 42 ug/l, none of the compounds were detected above the referenced standards/guidelines other than those which were attributable to laboratory contamination and elevated turbidity. With regard to the S6MW-1 monitoring well, it would appear that the source of trichloroethene is the on-site leaching pools of the former sanitary septic system associated with Plant 2 which is located to the southeast of the site. As previously mentioned, these leaching pools were closed and backfilled after Plant 2 was connected to the Nassau County sewer system sometime in the 1970s. The on-site leaching pools are located in the southeastern portion of the site and comprise only approximately 2 acres of the entire 33-acre site. As previously mentioned, it should also be noted that previous studies have shown that Plant 3, located upgradient of S6MW-1, is a likely source of groundwater contamination.

Based on the above findings, we believe that the information presented in this document is sufficient to support the partial delisting of the site under New York State regulations. We believe that the majority of the site, including all tax blocks and lots indicated in Appendix B, is eligible for delisting exclusive of the eastern portion of Block 323, Lot 16A, which encompasses the approximate 2-acre leaching field.

Section 5

5.0 REFERENCES

Dvirka and Bartilucci Consulting Engineers; "Sterling Center - Draft Generic Environmental Impact Statement - Volume 1A;" June 1990.

EBASCO, Final Work Plan RI/FS Hooker Chemical/Ruco Polymer Superfund Site, EPA Contract 68-01-7250, Work Assignment No. 186-2443, September 1988.

Haliburton NUS Environmental Corporation; "Final Remedial Investigation Report Naval Weapons Industrial Reserve Plant Bethpage, New York;" May 1992.

Legette, Brashear & Graham, Final Field Operations Plan, August 1989.

Legette, Brashear & Graham, Focused Feasibility Study for Remediation of Soils Containing Arochlor 1248 for Occidental Chemical Corp., June 1990.

LKB Aerial Photographs: April 11, 1950; January 20, 1955; January 24, 1957; March 23, 1962; April 11, 1969; April 18, 1972; March 8, 1988.

United States Department of Agriculture, Soil Conservation Service, Soil Survey of Nassau County, New York, February 1987.

USEPA, Declaration for Record of Decision, Hooker Chemical/Ruco Polymer Site, Hicksville, Nassau County, New York, September 1990.

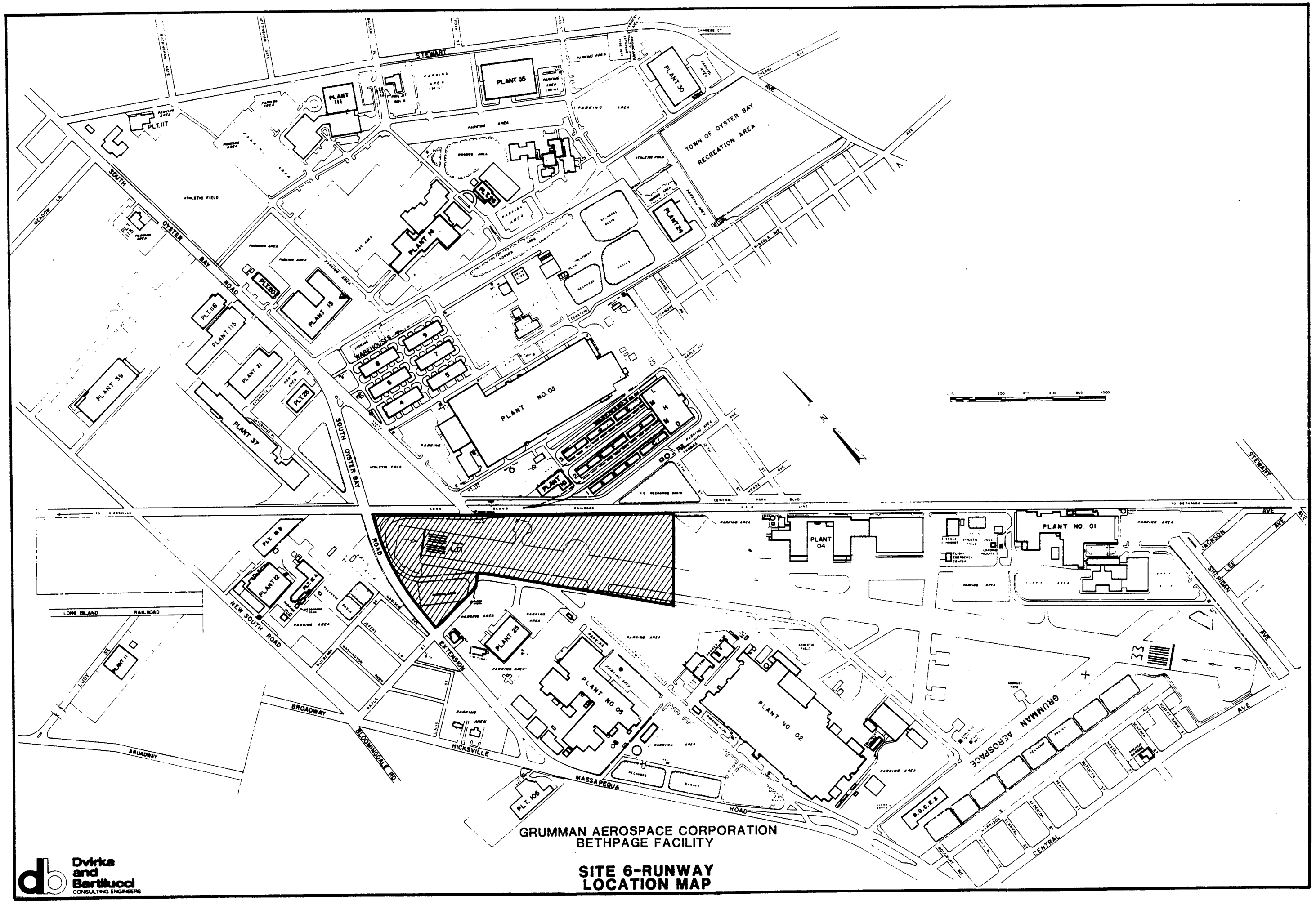
USEPA - Region 2, Proposed Plan Superfund Update Hooker Chemical/Ruco Polymer Site, Hicksville, New York, July 1990.

Appendix A

APPENDIX A

LOCATION MAP

CONFIDENTIAL



GRUMMAN AEROSPACE CORPORATION
BETHPAGE FACILITY

SITE 6-RUNWAY
LOCATION MAP

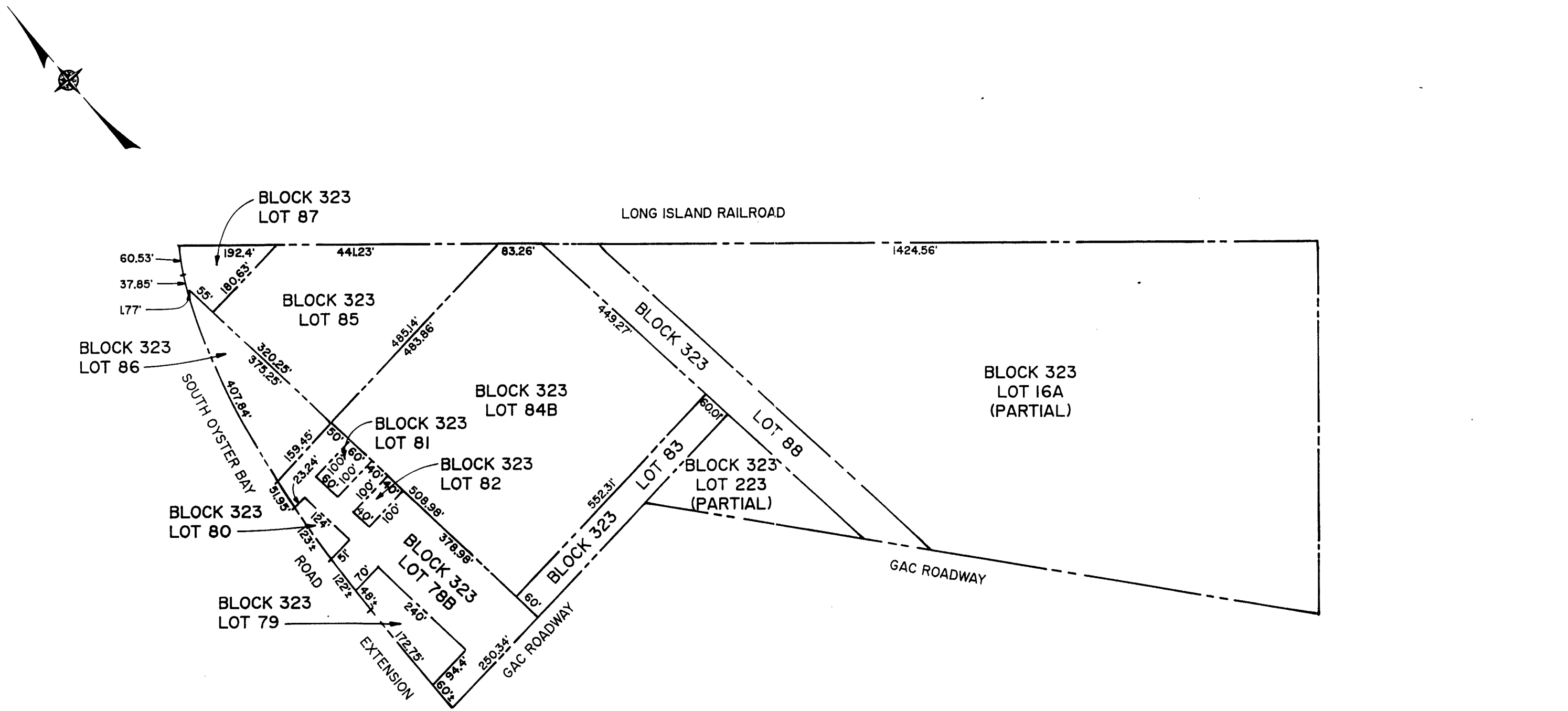
Dvirka and Bartilucci
CONSULTING ENGINEERS

NGINS000472070

Appendix B

APPENDIX B

SITE PLAN



Source: NASSAU COUNTY LAND & TAX MAP - SEC. 46 BLK. 323

GRUMMAN AEROSPACE CORPORATION
BETHPAGE FACILITY
SITE 6 (RUNWAY)

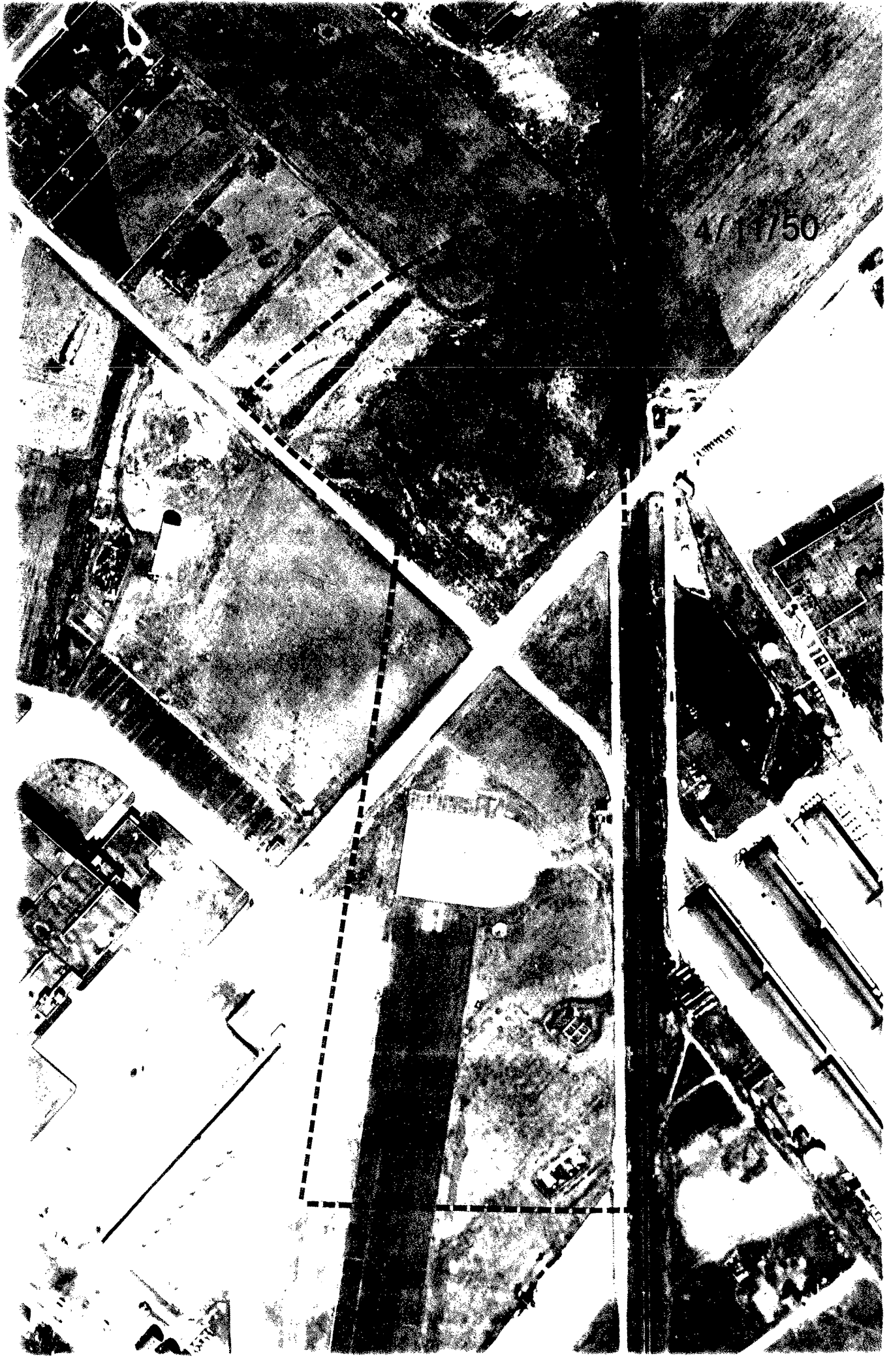
SITE PLAN

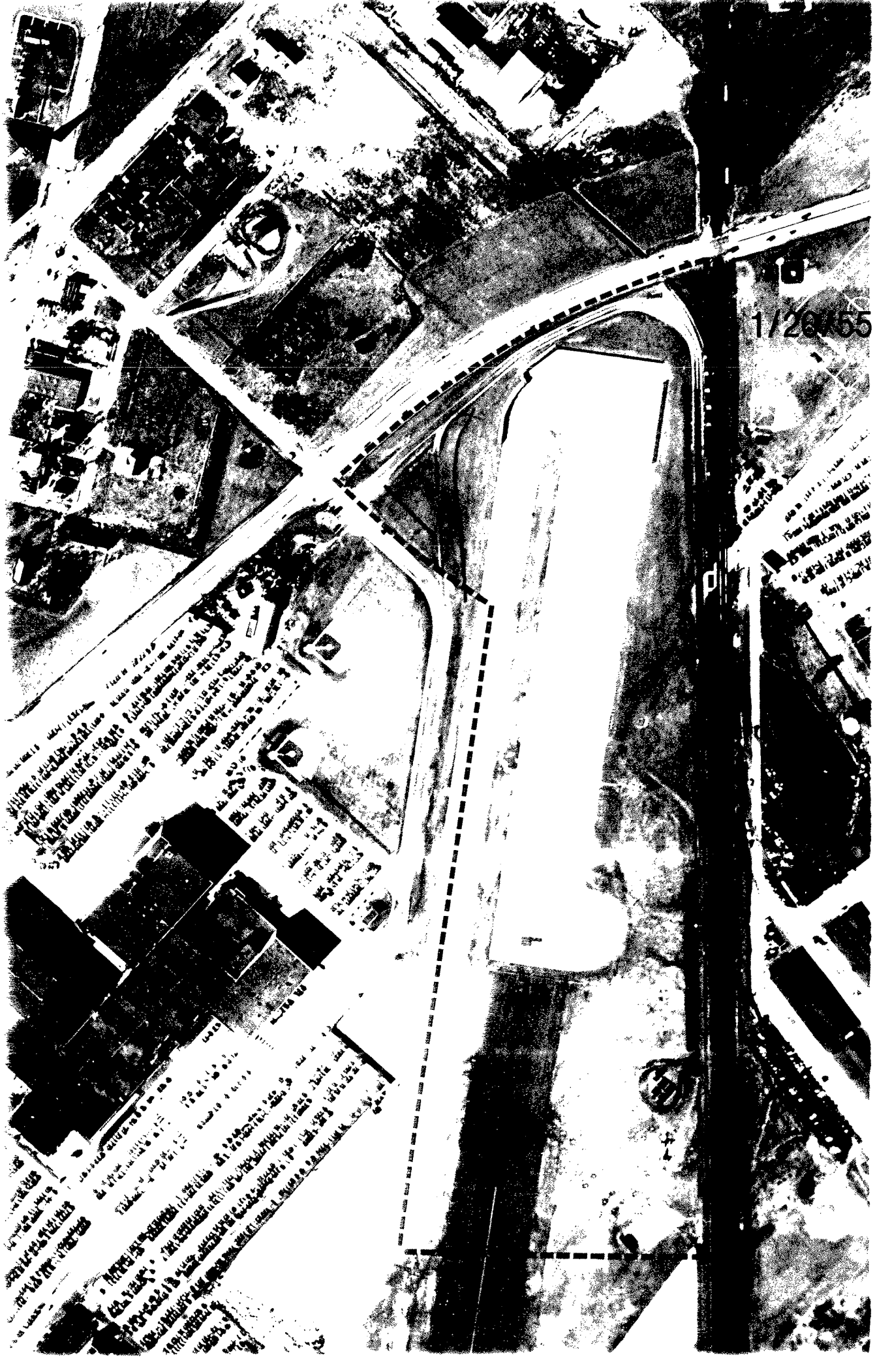
Dvirka and Bartilucci CONSULTING ENGINEERS

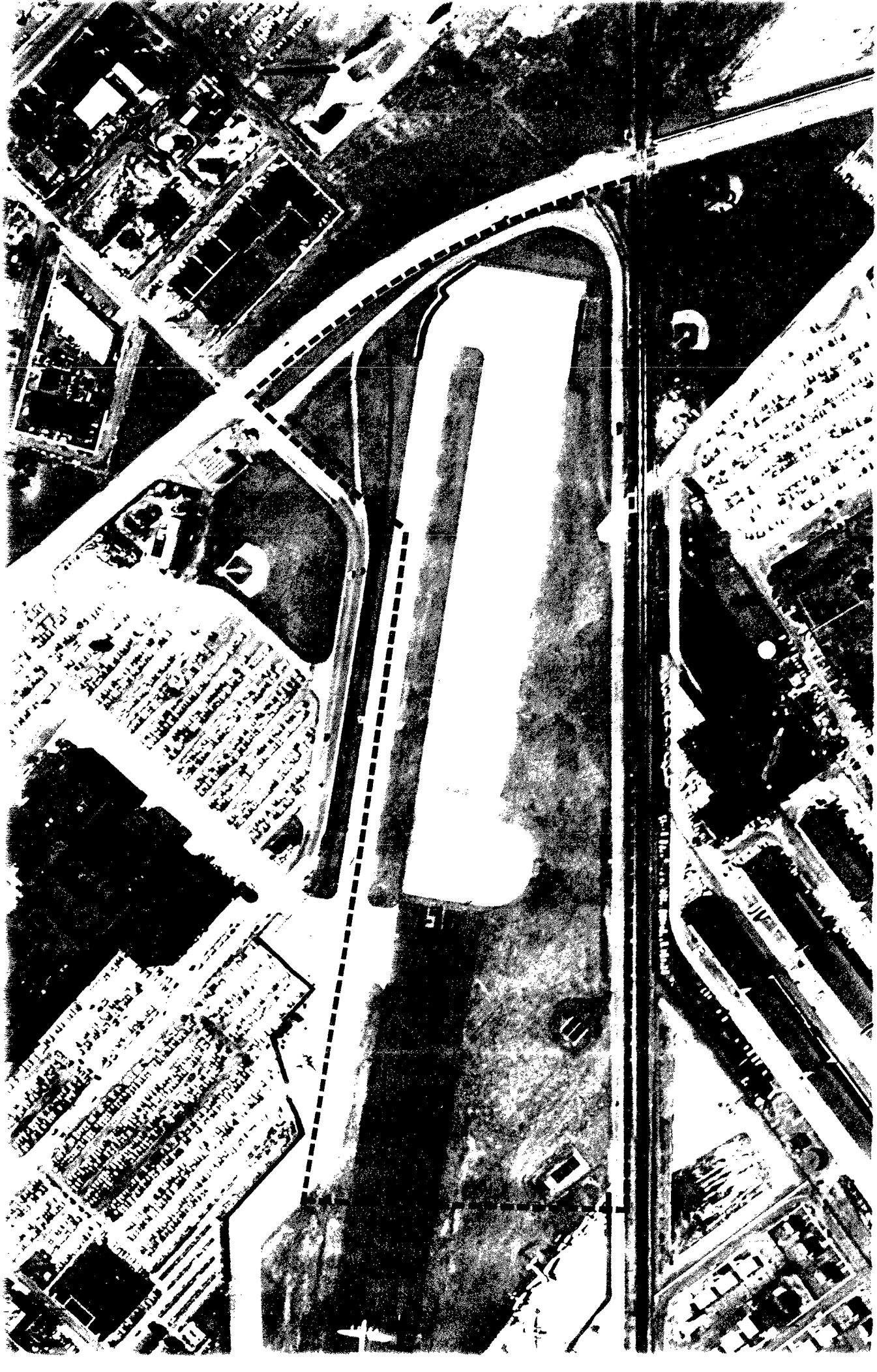
Appendix C

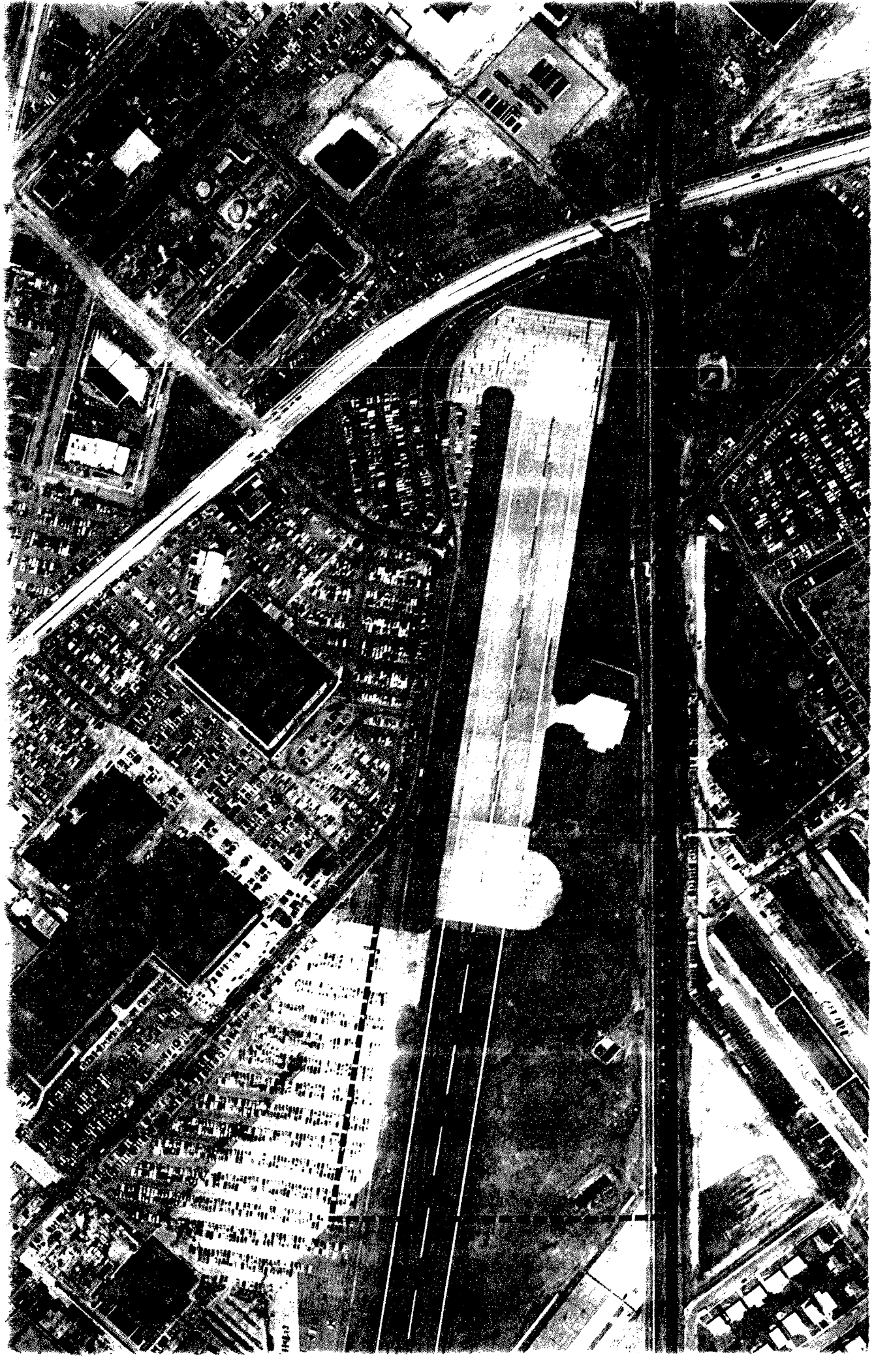
APPENDIX C

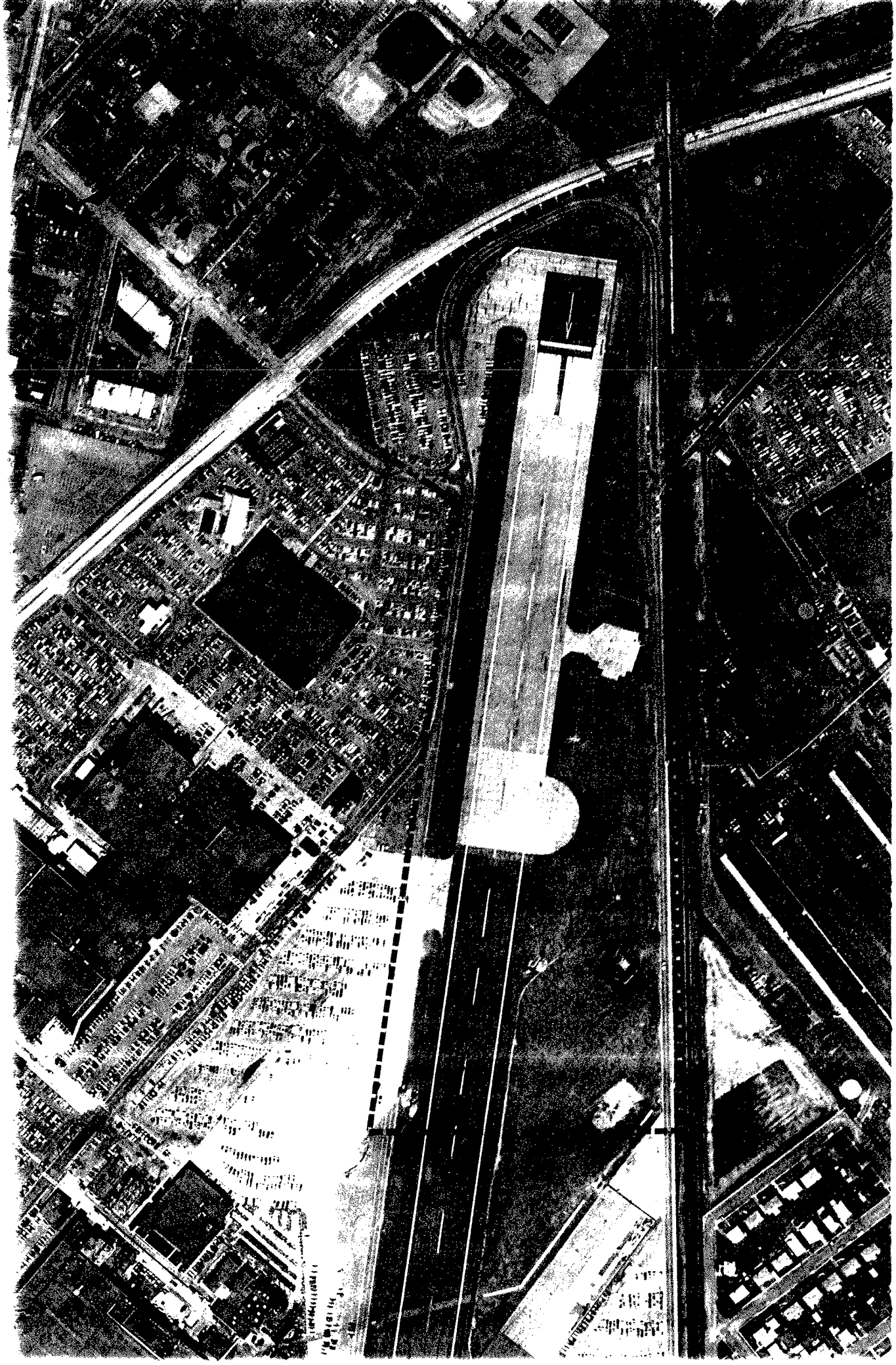
AERIAL PHOTOGRAPHS (1950-1988)


4/11/50


1/20/55







Appendix D

APPENDIX D

BORING LOGS

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: SG-BH-1
Sheet 1 of 1
By: ESR Date: 8/3/92
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Omletz
Drill Rig: B-47 D
Sample Spoon I.D.: 2"
Date Started: 8/3/92
Geologist: Keith S. Robins
Drilling Method: Hollow Stem Auger
Drive Hammer Wt.: 140 lbs.
Date Completed: 8/3/92

Borehole Completion Depth: 30'
Borehole Diameter: 8"
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
-0-						0-15' Brown - Lt brown coarse Qtz Sand, mixed with some gravel, subrnd., trace silt.
2						
4						
6						
8						
10						
12						15'-20' Lt brown medium Qtz subrnd Sand, trace fine-medium gravel
14						
16						
18						
20						

Remarks: No split spoon samples taken from 0-20, Geologic log based on visual identification

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: SE-BH-1
Sheet 1 of 2
By: KSR Date: 8/3/92
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Omdetz Geologist: Keith S. Robins
Drill Rig: B-47 Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/3/92 Date Completed: 8/3/92

Borehole Completion Depth: 30'
Borehole Diameter: 8"
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
20						
21	S1	20-22	15"	10,15, 15,23	0	LT brown coarse subrnd Qtz Sand, Some-little fn gravel, trace silt, loose, poorly sorted Moist
22						
23	S-2	22-24	15"	12,17, 25,33	0	LT Brown-Tan coarse Sand, and Abundant fn subang-subrnd Qtz gravel, tr silt, tr dk min, very poorly sorted, loose. damp
24						
25	S-3	24-26	18"	10,12, 20,30	0	LT Brown-tan, m-c subrnd Sand, Some(+) fn gravel, tr. silt, tr dk min, poorly sorted - damp
26						
27						
28	S-4	26-28	15"	6,13 18,20	0	Brown m-c, subrnd Qtz Sand, little fine-medium gravel, trace silt, poorly sorted, Loose damp
29						
30	S-5	28-30	18"	6,17 20,35	0	Brown-LT tan fn(+)c Qtz Sand, Some-little fn gravel, tr dk min, tr silt, poorly sorted (damp)

Remarks: Vertical scale changed to every 1 ft. Soil sample (24-26) sent for lab analysis

Water Level Measurement
_____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: S6-BH-2
Sheet 1 of 1
By: KSR Date: 8/14/92
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Omuletz
Drill Rig: B-47
Sample Spoon I.D.: 2"
Date Started: 8/14/92
Geologist: Keith S. Robins
Drilling Method: Hollow Stem Auger
Drive Hammer Wt.: 140 lbs.
Date Completed: 8/14/92

Borehole Completion Depth: 30'
Borehole Diameter: 8"
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
-0-						0-10' LT brown, coarse - medium Sand, trace silt, some - little gravel subrounded.
-2-						
-4-						
-6-						
-8-						
-10-						10'-20' LT brown Coarse subrnd Qtz Sand, some (+) fm gravel, tr. silt.
-12-						
-14-						
-16-						
-18-						
-20						

Remarks: No split spoon samples taken from 0-20', Geologic log based on visual identification of soil cuttings

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

Soil Sample 24-26, lab analysis

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: 56-BH-2
Sheet 1 of 2
By: KSR Date: 8/4/92
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Omwletz Geologist: Keith S. Robins
Drill Rig: B-47 Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/4/92 Date Completed: 8/4/92

Borehole Completion Depth: 30'
Borehole Diameter: 8"
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
20- 21	S-1	20-22	16"	7,10, 20,25	0	LT Tan, Coarse subrnd Qtz Sand, some(4) fm(4) c subrnd-subang gravel, tr silt, poorly sorted very loose damp.
22 23	S-2	22-24	17"	5,10, 15,18	0	LT brown-Tan m(4)-coarse Qtz Sand, little(4) fm subrnd gravel, tr dk minerals dump
24- 25	S-3	24-26	15"	7,11, 13,15	0	Brown-Tan Coarse subrnd Qtz Sand, some(-) fm gravel, trace cobbles, tr silt, tr dk min., poorly sorted damp
26 27-	S-4	26-28	20"	9,13 20,20	0	Brown very coarse subrnd Qtz Sand, abundant f(4)m subangular gravel, tr silt, little dk minerals dump
28- 29-						
30	S-5	28-30	20"	7,13, 17,20	0	Brown-LT orange m-c, subrnd Qtz Sand, little fm gravel, tr silt, Fe staining damp.

Remarks:

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: SG-BH-3
Sheet 1 of 1
By: KSR Date: 8/4/92
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Owletz Geologist: Keith S. Robins
Drill Rig: B-47 Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/4/92 Date Completed: 8/4/92

Borehole Completion Depth: 32'
Borehole Diameter: 8"
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
-0-						
2						0-10' Brown, medium-coarse.
4						Sand, little gravel,
6						trace silt.
8						
10						
12						10'-20' Brown-Tan coarse sand,
14						abundant fm grave
16						and, some cobbles,
18						trace silt, poorly
20						sorted

Remarks: No split spoons taken, Soil Sample 24-26, sent for lab analysis

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: SB-BH-3
Sheet 1 of 2
By: KSR Date: 8/4/92
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Omletz Geologist: Keith S. Robins
Drill Rig: B-47 T Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/4/92 Date Completed: 8/4/92

Borehole Completion Depth: 32'
Borehole Diameter: 8"
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
20-21-	S-1	20-22	16"	9,13,18 20	0	Brown - coarse-medium, subrnd qtz Sand, little fine gravel, tr. cobbles, tr silt poorly sorted damp
22-23-	S-2	22-24	12"	10,15/11	0	Brown - LT tan coarse Qtz Sand little (+) fm gravel, trace silt, poorly sorted, trace cobbles damp
24-25-	S-3	24-26	18"	4,11, 17,12	0	Brown - LT orange, m-c, subrnd Qtz Sand some fm(+)c gravel, poorly sorted, loose, damp
26-27-	S-4	26-28	22"	10,13, 20,22	0	Tan, medium subrnd Qtz Sand, little fine gravel, trace silt, trace dk minerals, well graded. (damp)
28-29-	S-5	28-30	NA	26,35 30,35	—	NO Recovery Due to obstruction
30-32-	S-6	30-32	20"	10,15 18,20	0	Brown - LT orange coarse Qtz Sand, some - fm gravel, tr silt poorly sorted, fe staining, loose (damp)

Remarks: Changed vertical scale to every 1 ft

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: SB-MW-1
Sheet 1 of 1
By: KSR Date: 8/5
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Bmvletz Geologist: Keith S. Robins
Drill Rig: B-47 Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/5/92 Date Completed: 8/5/92

Borehole Completion Depth: 60'
Borehole Diameter: 8
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
-0-						
1-	S-1	0-2	20"	5,13, 16,17	0	0-4" grass + Roots, with dk brown soft loamy soil 4"-20" Lt brown, m-c subrnd Qtz Sand, some fm gravel, little silt dry
2-						
3-	S-2	2-4	15"	13,20, 30,30	0	Tan m(+)-c, Qtz Sand, little fm subrnd-subang. gravel, tr. silt, tr. dk min, poorly sorted dry
4-						
5-	S-3	4-6	20"	8,30, 49,55	0	Brown-orange coarse Qtz Sand, some fm gravel and trace cobbles, poorly sorted Fe staining dry
6-						
7-	S-4	6-8	20"	14,24, 35,26	0	Brown-Lt orange m-c, Qtz Sand, some-little fm gravel, tr. silt, tr dk min, Fe staining, poorly sorted, loose. dry
8-						
9-	S-5	8-10	18"	9,17 14,14	0	Brown coarse subrnd Qtz Sand, some fm subangular gravel, trace cobbles, tr silt, very poorly sorted loose damp
10-						

Remarks: Soil sample at (4-6'), sent for lab analysis

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: S6-MW-1
Sheet 1 of 3
By: KSR Date: 8/5
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Omletz Geologist: Keith S. Robins
Drill Rig: B-47 Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/5/92 Date Completed: 8/5/92

Borehole Completion Depth: 66'
Borehole Diameter: 8"
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
12						
14	S-6	15-17	18"	5,17, 25,28	0	Brown - Lt Tan f-m(1) c(-) subrnd Sand, Little(-) fine Qtz gravel, tr. silt tr. dk min, poorly sorted. damp
16						
18						
20	S-7	20-22	17"	10,10, 19,15	0	LT Brown - Tan coarse Qtz subrnd Sand, Some(-1) fm Qtz subrnd gravel, tr. silt, poorly sorted, very loose damp-moist
22						
24	S-8	25-27	20"	7,9,13, 15	0	LT brown very coarse(-1) - medium sand Abundant fine subrnd Qtz gravel, tr. dk min, tr. silt, very loose poorly sorted damp.
26						
28						
30	S-9	30-32	20"	7,12, 14,15	0	LT Brown, medium - coarse subrnd Sand, little fm gravel, tr. silt, tr. iron nodules, tr dk min moist
32						

Remarks: Vertical scale changed from 1' to 2'

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: SG-MW-1
Sheet 1 of 3
By: KSR Date: 8/5
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Omulety Geologist: Keith S. Robins
Drill Rig: B-47 Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/5/92 Date Completed: 8/5/92

Borehole Completion Depth: 60'
Borehole Diameter: 8
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
34						
36	S-10	35-37	21"	4,4, 6,11	0	LT Brown-Tan fine Qtz Sand, with layers of Gray clayey fine Sand, some silt, tr muscovite, slight, plastic, well graded, very moist.
38						
40						
42	S-11	40-42	18"	2,9, 17,19	0	Gray-LT Tan fine subrnd Qtz Sand, mixed with thin brown clayey sand layers, little silt, tr muscovite, Very well graded very moist
44						
46	S-12	45-47				LT Tan-LT white, very clean, very fine Qtz Sand, little silt, trace muscovite well graded very moist
48						
50	S-13	50-52	24"	4,8, 12,15	0	0-10" Gray-LT white very fine Qtz Sand, tr. muscovite, little silt, well graded
52						10"-24" LT gray-coarse Sand, mixed with Gray-brown clayey Sand dense, well graded. saturated
54						

Remarks:

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: S6-mw-1
Sheet 1 of 4
By: KSR Date: 8/5/92
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Omletz Geologist: Keith S. Robins
Drill Rig: B-47 Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/5/92 Date Completed: 8/5/92

Borehole Completion Depth: 60'
Borehole Diameter: 8"
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
58	SS4	55-57	24"	4,20, 20,50	0	Gray Lt White fine Sand, little (-) silt, 2" lense Gray clay, very plastic compact, piece of iron nodual, very well graded, trace muscovite, trace dark minerals. Saturated
60						End of Boring 60'
62						
64						
66						
68						
70						
72						
74						
76						

Remarks:

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: SB-MW-2
Sheet 1 of 1
By: KSR Date: 8/10/92
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Onley Geologist: Keith S. Robins
Drill Rig: B-47 Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/10/92 Date Completed: 8/10/92

Borehole Completion Depth: 20'
Borehole Diameter: 8"
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
-0-						0 -3" Asphalt parking Lot
1-	S-1	0-2	20"/24"	19,14, 24,28	0	3"-10" Black m-f sand, trace gravel 10"-20" Brown-LT brown, medium sand, trace, MF-gravel damp-moist
2-						
3-	S-2	2-4	20"	14,5, 12,18	100	0-6" Black sandy silt, trace fine gravel slight odor, possible staining Compact (damp-moist)
4-						6"-20" Brown-LT orange, medium-coarse sand, trace fn gravel. damp.
5-	S-3	4-6	24"	12,15, 13,15	10	0-17" Black silt, trace fine gravel, trace cobble, compact.
6-						17"-24" Brown sandy silt, trace fn gravel damp
7-	S-4	6-8	20"	9,26, 35,40	0	LT Brown-LT orange fm(-f)c Qtz Subrnd Sand, tr. silt, some fn gravel trace cobble, poorly sorted, loose. damp
8-						
9-	S-5	8-10	18"	19,20, 27,30	0	Brown-LT orange, m-C, Qtz Sand, Fe staining, tr. silt, poorly sorted damp
10-						

Remarks: Soil sample 2-4, chosen for lab analysis,

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: SB-MW-2
Sheet 1 of 2
By: KSR Date: 8/10/92
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Dmulety Geologist: Keith S. Robins
Drill Rig: B-47 Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/10/92 Date Completed: 8/10/92

Borehole Completion Depth: 70'
Borehole Diameter: 8"
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
12						
14	S-6	15-17	24"	9,18, 20,26	0	Lt Brown-Lt orange, medium-fine Sbrnd Qtz Sand, trace fm subangular gravel, well graded, tr. dk min. damp
16						
18						
20	S-7	20-22	23"	19,20 15,15	0	Lt Tan cmf Sand, some fn gravel, Little silt lenses, tr dk. minerals, poorly sorted, tr. muscovite. damp
22						
24						
26	S-8	25-27	20"	5,12, 15,15	0	Lt Tan coarse Qtz Sand, some (-) fm (+) c gravel, tr silt, Fe staining, tr dk min, Very poorly sorted, loose damp
28						
30						
32	S-9	30-32	12"	13,16, 15,15	0	Lt Gray-Tan coarse Qtz Sand, little-some fm gravel, tr silt, trace cobble poorly sorted. damp

Remarks: Changed vertical scale from 1' to 2'

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: 56-MW-3
Sheet 1 of 3
By: KSR Date: 8/10/92
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Omletz Geologist: Keith S. Robins
Drill Rig: B-47 Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/10/92 Date Completed: 8/10/92

Borehole Completion Depth: 70'
Borehole Diameter: 8
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
34						
36	S-10	35-37	24"	3,4, 7,10	0	0-5" Brown course sandy clay 5"-24" LT gray-brown clay, solid very plastic cohesive. (damp-moist)
38						
40						
42	S-11	40-42	24"	3,4, 7,10	0	0-10" LT brown clay solid, very plastic cohesive 10"-24" Black - Light Gray clay very plastic cohesive damp-moist
44						
46	S-12	45-47	24"	3,4, 5,9	0	0-10" LT Brown clay, plastic, cohesive 10"-24" Black-gray dense clay little silt moist
48						
50						
52	S-13	50-52	20"	4,5, 6,10	0	0-12" Black clay, solid, dense cohesive. 12"-20" LT Gray-brown clayey silt, compact, tr. gravel, well layered. damp-moist
54						

Remarks:

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167
Project Name: Grumman Aerospace

Well/Boring No.: SG-MW-3
Sheet 1 of 4
By: KSR Date: 8/10/92
Chk'd: _____ Date: _____

Drilling Contractor: Fenley and Nicol
Driller: Jim Omyletz Geologist: Keith S. Robins
Drill Rig: B-47 Drilling Method: Hollow Stem Auger
Sample Spoon I.D.: 2" Drive Hammer Wt.: 140 lbs.
Date Started: 8/10/92 Date Completed: 8/10/92

Borehole Completion Depth: 70'
Borehole Diameter: 8"
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
55	S-14	55-57	24"	9,10, 15,25	0	0-10" Brown-gray black clay slightly plastic, cohesive
57						10"-24" damp-moist LT Brown fine Subrnd Qtz Sand, little silt, tr. muscovite, well graded
59						
61	S-15	60-62	20"	3,5, 15,20	0	damp Gray-Brown fine Subrnd Qtz Sand, Little-trace silt, well graded tr. muscovite
63						
65						
67	S-16	65-67	24"	5,8, 18,20	0	saturated Brown-gray, fine sand, little silt, well graded.
69						saturated
71						End of Boring 70'
73						
75						

Remarks:

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

Appendix E

APPENDIX E

LABORATORY DATA

1A - NYSDEC

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
ANALYSIS DATE: 7/31/92

SAMPLE ID: S9-FB-S
LAB ID: 1343805
DIL FACTOR: 1.00
% MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	0.5 U.
2	74-83-9	Bromomethane	1.0 U.
3	75-01-4	Vinyl Chloride	1.0 U.
4	75-00-3	Chloroethane	1.0 U.
5	75-09-2	Methylene Chloride	2.9 B
6	75-35-4	1,1-Dichloroethene	0.1 U.
7	75-34-3	1,1-Dichloroethane	0.5 U.
8	156-60-5	1,2-Dichloroethene (trans)	0.5 U.
9	67-66-3	Chloroform	0.5 U.
10	107-06-2	1,2-Dichloroethane	0.1 U.
11	71-55-6	1,1,1-Trichloroethane	0.1 U.
12	56-23-5	Carbon Tetrachloride	0.5 U.
13	75-27-4	Bromodichloromethane	0.5 U.
14	78-87-5	1,2-Dichloropropane	0.5 U.
15	10061-01-5	cis-1,3-Dichloropropene	0.5 U.
16	79-01-6	Trichloroethene	0.5 U.
17	124-48-1	Dibromochloromethane	0.5 U.
18	79-00-5	1,1,2-Trichloroethane	0.1 U.
19	71-43-2	Benzene	1.0 U.
20	10061-02-6	trans-1,3-Dichloropropene	1.0 U.
21	75-25-2	Bromoform	1.0 U.
22	127-18-4	Tetrachloroethene	0.1 U.
23	79-34-5	1,1,2,2-Tetrachloroethane	0.1 U.
24	108-88-3	Toluene	1.0 U.
25	108-90-7	Chlorobenzene	1.0 U.
26	100-41-4	Ethylbenzene	1.0 U.
27	1330-20-7	Xylene (total)	1.0 U.
28	110-75-8	2-Chloroethylvinylether	0.5 U.
29	75-69-4	Trichlorofluoromethane	1.0 U.
30	95-50-1	1,2-Dichlorobenzene	1.0 U.
31	541-73-1	1,3-Dichlorobenzene	1.0 U.
32	106-46-7	1,4-Dichlorobenzene	1.0 U.

0000018

1A - NYSDEC

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
ANALYSIS DATE: 8/09/92

SAMPLE ID: S6-MW1-S
LAB ID: 1355301
DIL FACTOR: 1.00
% MOISTURE: 2

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	0.5 U.
2	74-83-9	Bromomethane	1.0 U.
3	75-01-4	Vinyl Chloride	1.0 U.
4	75-00-3	Chloroethane	1.0 U.
5	75-09-2	Methylene Chloride	11.0 B
6	75-35-4	1,1-Dichloroethene	0.1 U.
7	75-34-3	1,1-Dichloroethane	0.5 U.
8	156-60-5	1,2-Dichloroethene (trans)	0.5 U.
9	67-66-3	Chloroform	0.5 U.
10	107-06-2	1,2-Dichloroethane	0.1 U.
11	71-55-6	1,1,1-Trichloroethane	0.1 U.
12	56-23-5	Carbon Tetrachloride	0.5 U.
13	75-27-4	Bromodichloromethane	0.5 U.
14	78-87-5	1,2-Dichloropropane	0.5 U.
15	10061-01-5	cis-1,3-Dichloropropene	0.5 U.
16	79-01-6	Trichloroethene	0.5 U.
17	124-48-1	Dibromochloromethane	0.5 U.
18	79-00-5	1,1,2-Trichloroethane	0.1 U.
19	71-43-2	Benzene	1.0 U.
20	10061-02-6	trans-1,3-Dichloropropene	1.0 U.
21	75-25-2	Bromoform	1.0 U.
22	127-18-4	Tetrachloroethene	0.1 U.
23	79-34-5	1,1,2,2-Tetrachloroethane	0.1 U.
24	108-88-3	Toluene	1.0 U.
25	108-90-7	Chlorobenzene	1.0 U.
26	100-41-4	Ethylbenzene	1.0 U.
27	1330-20-7	Xylene (total)	1.0 U.
28	110-75-8	2-Chloroethylvinylether	0.5 U.
29	75-69-4	Trichlorofluoromethane	1.0 U.
30	95-50-1	1,2-Dichlorobenzene	1.0 U.
31	541-73-1	1,3-Dichlorobenzene	1.0 U.
32	106-46-7	1,4-Dichlorobenzene	1.0 U.

1A - NYSDEC

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
ANALYSIS DATE: 8/13/92

SAMPLE ID: S6-MW2-1S
LAB ID: 1360901
DIL FACTOR: 1.00
% MOISTURE: 10

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	0.6 U.
2	74-83-9	Bromomethane	1.0 U.
3	75-01-4	Vinyl Chloride	1.0 U.
4	75-00-3	Chloroethane	1.0 U.
5	75-09-2	Methylene Chloride	16.0 B
6	75-35-4	1,1-Dichloroethene	0.1 U.
7	75-34-3	1,1-Dichloroethane	0.6 U.
8	156-60-5	1,2-Dichloroethene (trans)	0.6 U.
9	67-66-3	Chloroform	0.6 U.
10	107-06-2	1,2-Dichloroethane	0.1 U.
11	71-55-6	1,1,1-Trichloroethane	0.1 U.
12	56-23-5	Carbon Tetrachloride	0.6 U.
13	75-27-4	Bromodichloromethane	0.6 U.
14	78-87-5	1,2-Dichloropropane	0.6 U.
15	10061-01-5	cis-1,3-Dichloropropene	0.6 U.
16	79-01-6	Trichloroethene	0.6 U.
17	124-48-1	Dibromochloromethane	0.6 U.
18	79-00-5	1,1,2-Trichloroethane	0.1 U.
19	71-43-2	Benzene	1.0 U.
20	10061-02-6	trans-1,3-Dichloropropene	1.0 U.
21	75-25-2	Bromoform	1.0 U.
22	127-18-4	Tetrachloroethene	0.1 U.
23	79-34-5	1,1,2,2-Tetrachloroethane	0.1 U.
24	108-88-3	Toluene	0.8 J
25	108-90-7	Chlorobenzene	1.0 U.
26	100-41-4	Ethylbenzene	1.0 U.
27	1330-20-7	Xylene (total)	1.0 U.
28	110-75-8	2-Chloroethylvinylether	0.6 U.
29	75-69-4	Trichlorofluoromethane	1.0 U.
30	95-50-1	1,2-Dichlorobenzene	1.0 U.
31	541-73-1	1,3-Dichlorobenzene	1.0 U.
32	106-46-7	1,4-Dichlorobenzene	1.0 U.

0000008

1A - NYSDEC

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
ANALYSIS DATE: 8/07/92

SAMPLE ID: R6-BH1-S
LAB ID: 1352801
DIL FACTOR: 1.00
% MOISTURE: 3

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	0.5 U.
2	74-83-9	Bromomethane	1.0 U.
3	75-01-4	Vinyl Chloride	1.0 U.
4	75-00-3	Chloroethane	1.0 U.
5	75-09-2	Methylene Chloride	1.0 U.
6	75-35-4	1,1-Dichloroethene	0.1 U.
7	75-34-3	1,1-Dichloroethane	0.5 U.
8	156-60-5	1,2-Dichloroethene (trans)	0.5 U.
9	67-66-3	Chloroform	0.5 U.
10	107-06-2	1,2-Dichloroethane	0.1 U.
11	71-55-6	1,1,1-Trichloroethane	0.1 U.
12	56-23-5	Carbon Tetrachloride	0.5 U.
13	75-27-4	Bromodichloromethane	0.5 U.
14	78-87-5	1,2-Dichloropropane	0.5 U.
15	10061-01-5	cis-1,3-Dichloropropene	0.5 U.
16	79-01-6	Trichloroethene	0.5 U.
17	124-48-1	Dibromochloromethane	0.5 U.
18	79-00-5	1,1,2-Trichloroethane	0.1 U.
19	71-43-2	Benzene	1.0 U.
20	10061-02-6	trans-1,3-Dichloropropene	1.0 U.
21	75-25-2	Bromoform	1.0 U.
22	127-18-4	Tetrachloroethene	0.1 U.
23	79-34-5	1,1,2,2-Tetrachloroethane	0.1 U.
24	108-88-3	Toluene	1.0 U.
25	108-90-7	Chlorobenzene	1.0 U.
26	100-41-4	Ethylbenzene	1.0 U.
27	1330-20-7	Xylene (total)	1.0 U.
28	110-75-8	2-Chloroethylvinylether	0.5 U.
29	75-69-4	Trichlorofluoromethane	1.0 U.
30	95-50-1	1,2-Dichlorobenzene	1.0 U.
31	541-73-1	1,3-Dichlorobenzene	1.0 U.
32	106-46-7	1,4-Dichlorobenzene	1.0 U.

0000008

1A - NYSDEC

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
ANALYSIS DATE: 8/07/92

SAMPLE ID: S6-BH2-5
LAB ID: 1353701
DIL FACTOR: 1.00
% MOISTURE: 4

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	0.5 U.
2	74-83-9	Bromomethane	1.0 U.
3	75-01-4	Vinyl Chloride	1.0 U.
4	75-00-3	Chloroethane	1.0 U.
5	75-09-2	Methylene Chloride	1.0 U.
6	75-35-4	1,1-Dichloroethene	0.1 U.
7	75-34-3	1,1-Dichloroethane	0.5 U.
8	156-60-5	1,2-Dichloroethene (trans)	0.5 U.
9	67-66-3	Chloroform	0.5 U.
10	107-06-2	1,2-Dichloroethane	0.1 U.
11	71-55-6	1,1,1-Trichloroethane	0.1 U.
12	56-23-5	Carbon Tetrachloride	0.5 U.
13	75-27-4	Bromodichloromethane	0.5 U.
14	78-87-5	1,2-Dichloropropane	0.5 U.
15	10061-01-5	cis-1,3-Dichloropropene	0.5 U.
16	79-01-6	Trichloroethene	0.5 U.
17	124-48-1	Dibromochloromethane	0.5 U.
18	79-00-5	1,1,2-Trichloroethane	0.1 U.
19	71-43-2	Benzene	1.0 U.
20	10061-02-6	trans-1,3-Dichloropropene	1.0 U.
21	75-25-2	Bromoform	1.0 U.
22	127-18-4	Tetrachloroethene	0.1 U.
23	79-34-5	1,1,2,2-Tetrachloroethane	0.1 U.
24	108-88-3	Toluene	1.0 U.
25	108-90-7	Chlorobenzene	1.0 U.
26	100-41-4	Ethylbenzene	1.0 U.
27	1330-20-7	Xylene (total)	1.0 U.
28	110-75-8	2-Chloroethylvinylether	0.5 U.
29	75-69-4	Trichlorofluoromethane	1.0 U.
30	95-50-1	1,2-Dichlorobenzene	1.0 U.
31	541-73-1	1,3-Dichlorobenzene	1.0 U.
32	106-46-7	1,4-Dichlorobenzene	1.0 U.

0000008

1A - NYSDEC

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
ANALYSIS DATE: 8/07/92

SAMPLE ID: S6-BH3-5
LAB ID: 1353702
DIL FACTOR: 1.00
% MOISTURE: 3

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	0.5 U.
2	74-83-9	Bromomethane	1.0 U.
3	75-01-4	Vinyl Chloride	1.0 U.
4	75-00-3	Chloroethane	1.0 U.
5	75-09-2	Methylene Chloride	1.0 U.
6	75-35-4	1,1-Dichloroethene	0.1 U.
7	75-34-3	1,1-Dichloroethane	0.5 U.
8	156-60-5	1,2-Dichloroethene (trans)	0.5 U.
9	67-66-3	Chloroform	0.5 U.
10	107-06-2	1,2-Dichloroethane	0.1 U.
11	71-55-6	1,1,1-Trichloroethane	0.1 U.
12	56-23-5	Carbon Tetrachloride	0.5 U.
13	75-27-4	Bromodichloromethane	0.5 U.
14	78-87-5	1,2-Dichloropropane	0.5 U.
15	10061-01-5	cis-1,3-Dichloropropene	0.5 U.
16	79-01-6	Trichloroethene	0.5 U.
17	124-48-1	Dibromochloromethane	0.5 U.
18	79-00-5	1,1,2-Trichloroethane	0.1 U.
19	71-43-2	Benzene	1.0 U.
20	10061-02-6	trans-1,3-Dichloropropene	1.0 U.
21	75-25-2	Bromoform	1.0 U.
22	127-18-4	Tetrachloroethene	0.1 U.
23	79-34-5	1,1,2,2-Tetrachloroethane	0.1 U.
24	108-88-3	Toluene	1.0 U.
25	108-90-7	Chlorobenzene	1.0 U.
26	100-41-4	Ethylbenzene	1.0 U.
27	1330-20-7	Xylene (total)	1.0 U.
28	110-75-8	2-Chloroethylvinylether	0.5 U.
29	75-69-4	Trichlorofluoromethane	1.0 U.
30	95-50-1	1,2-Dichlorobenzene	1.0 U.
31	541-73-1	1,3-Dichlorobenzene	1.0 U.
32	106-46-7	1,4-Dichlorobenzene	1.0 U.

0000009

nytest environmental inc

REPORT OF ANALYSIS

Log in No.: 13553

We find as follows:

Results in mg/kg (dry wt. basis) except where noted:

Sample Identification	Parameter(s)
	Total Petroleum Hydrocarbons
1355301 S6-MW1-S	142
Soil Method Blank	< 10.0

0000138

nytest environmental inc.

REPORT OF ANALYSIS

Log in No.: 13609

We find as follows:

Results in mg/kg (dry wt. basis):

Sample Identification	Parameter(s) Total Petroleum Hydrocarbons
1360901 S6-MW2-S	220
Soil Method Blank	< 10.0

0000177

nytest environmental inc

REPORT OF ANALYSIS

Log in No.: 13528

We find as follows:

Results in mg/kg (dry wt. basis) except where noted:

Sample Identification	Parameter(s)
	Total Petroleum Hydrocarbons
1352801 R6-BH1-S	130
Soil Method Blank	< 10.0

0000314

nytest environmental inc

REPORT OF ANALYSIS

Log in No.: 13537

We find as follows:

Results in mg/kg (dry wt. basis):

Sample Identification	Parameter(s) Total Petroleum Hydrocarbons
1353701 S6-BH2-5	112
1353702 S6-BH3-5	98.9
Soil Method Blank	< 10.0

0000380

nytest environmental inc

REPORT OF ANALYSIS

Log In No.: 14185

We find as follows:

Results in ug/kg (dry wt. basis):

Sample Identification	Parameter(s) Total Petroleum Hydrocarbons (310-13)
1418516 S6-MW1-S	ND

ND = None Detected

0000022

nytest environmental inc

REPORT OF ANALYSIS

Log In No.: 14185

We find as follows:

Results in ug/kg (dry wt. basis):

Sample Identification	Parameter(s)
	Total Petroleum Hydrocarbons (310-13)
1418517 S6-MW2-S	ND

ND = None Detected

0000023

nytest environmental inc

REPORT OF ANALYSIS

Log In No.: 14185

We find as follows:

Results in ug/kg (dry wt. basis):

Sample Identification	Parameter(s) Total Petroleum Hydrocarbons (310-13)
1418513 R6-BH1-5	ND

ND = None Detected

0000019

nytest environmental inc

REPORT OF ANALYSIS

Log In No.: 14185

We find as follows:

Results in ug/kg (dry wt. basis):

Sample Identification	Parameter(s)
	Total Petroleum Hydrocarbons (310-13)
1418514 S6-BH2-5	ND

ND = None Detected

0000020

nytest environmental inc

REPORT OF ANALYSIS

Log In No.: 14185

We find as follows:

Results in ug/kg (dry wt. basis):

Sample Identification	Parameter(s)
	Total Petroleum Hydrocarbons (310-13)
1418515 S6-BH3-5	ND

ND = None Detected

0000021

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

FB0727

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9218699

Lab Code: 10195 Case No.: 13438 SAS No.: SDG No.: SDG694

Matrix (soil/water): WATER Lab Sample ID: 438-05

Level (low/med): LOW Date Received: 07/27/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	55.2	U		P
7440-38-2	Arsenic	5.0	U	W	F
7440-39-3	Barium				
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.8	U		P
7440-70-2	Calcium				
7440-47-3	Chromium	6.5	U		P
7440-48-4	Cobalt				
7440-50-8	Copper	6.4	U		P
7439-89-6	Iron				
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	16.8	U		P
7440-09-7	Potassium				
7782-49-2	Selenium	5.0	U		F
7440-22-4	Silver	9.3	U		P
7440-23-5	Sodium				
7440-28-0	Thallium	5.0	U		F
7440-62-2	Vanadium				
7440-66-6	Zinc	4.3	U		P
	Cyanide				

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
S9-FB-S

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

R6BH1S

Lab Name: Nytest Environmental Inc. Contract: 9218699

Lab Code: 10195 Case No.: 13528 SAS No.: SDG No.: SDG717

Matrix (soil/water): SOIL Lab Sample ID: 528-01

Level (low/med): LOW Date Received: 08/03/92

% Solids: 96.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	11.4	U		P
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium				
7440-41-7	Beryllium	0.21	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium				
7440-47-3	Chromium	6.0			P
7440-48-4	Cobalt				
7440-50-8	Copper	1.3	U		P
7439-89-6	Iron				
7439-92-1	Lead	1.3			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	6.1	B		P
7440-09-7	Potassium				
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	1.9	U		P
7440-23-5	Sodium				
7440-28-0	Thallium	1.0	U		F
7440-62-2	Vanadium				
7440-66-6	Zinc	8.7			P
	Cyanide				

olor Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
R6-BH1-S

0000159

FORM I - IN 3/90

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: S6BH25

b Name: NYTEST_ENVIRONMENTAL_INC. Contract: 10195

ab Code: 10195 Case No.: 13537 SAS No.: SDG No.: S6BH25

atrix (soil/water): SOIL Lab Sample ID: 537-01

evel (low/med): LOW Date Received: 08/04/92

Solids: 96.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	11.4	U	N	P
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium				NR
7440-41-7	Beryllium	62.2	U	*	P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	2.5			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	4.0	B		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.4		N*	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	4.3	B		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	1.9	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		F
7440-62-2	Vanadium				NR
7440-66-6	Zinc	10.2		N	P
5955-70-0	Cyanide				NR

olor Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

S6-BH2-5

FORM I - IN

ILMO2.1

0000154

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S6BH35

b Name: NYTEST_ENVIRONMENTAL_INC. Contract: 10195_____

Code: 10195_ Case No.: 13537_ SAS No.: _____ SDG No.: S6BH25

trix (soil/water): SOIL_ Lab Sample ID: 537-02____

vel (low/med): LOW__ Date Received: 08/04/92

olids: _97.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	11.3	U	N	P
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.21	U	*	P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	3.5			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	2.9	B		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.0		N*	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.5	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	1.9	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		F
7440-62-2	Vanadium				NR
7440-66-6	Zinc	7.3		N	P
5955-70-0	Cyanide				NR

lor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

S6-BH3-5

FORM I - IN

ILMO2.1

0000155

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDBLK

Lab Name: NYTEST ENV INC Contract: 9218699

Lab Code: NYTEST Case No.: 13822 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1382204

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D1758

Level: (low/med) LOW Date Received: 08/27/92

% Moisture: not dec. ____ Date Analyzed: 09/03/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	5	BJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000012

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLK

Lab Name: NYTEST ENV INC Contract: 9218699

Lab Code: NYTEST Case No.: 13822 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1382205

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D1757

Level: (low/med) LOW Date Received: 08/27/92

% Moisture: not dec. ____ Date Analyzed: 09/03/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	6	BJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000018

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLK

Lab Name: NYTEST ENV INC Contract: _____

Lab Code: NYTEST Case No.: 11142 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1387607

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D1784

Level: (low/med) LOW Date Received: 08/31/92

% Moisture: not dec. ____ Date Analyzed: 09/04/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000016

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLK

Lab Name: NYTEST ENV INC Contract: _____

Lab Code: NYTEST Case No.: 11187 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1390504

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C8951

Level: (low/med) LOW Date Received: 09/02/92

% Moisture: not dec. ____ Date Analyzed: 09/09/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000012

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLK

Lab Name: NYTEST ENV INC Contract: _____

Lab Code: NYTEST Case No.: 11187 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1390504

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C8951

Level: (low/med) LOW Date Received: 09/02/92

% Moisture: not dec. ____ Date Analyzed: 09/09/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000049

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S6-MW-1

Lab Name: NYTEST ENV INC Contract: _____

Lab Code: NYTEST Case No.: 11142 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1387606

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D1803

Level: (low/med) LOW Date Received: 08/31/92

% Moisture: not dec. ____ Date Analyzed: 09/05/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	1	J
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	42	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000012

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S6-MW2

Lab Name: NYTEST ENV INC Contract: _____

Lab Code: NYTEST Case No.: 11187 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1390503

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C8957

Level: (low/med) LOW Date Received: 09/02/92

% Moisture: not dec. ____ Date Analyzed: 09/09/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000010

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

USGS10594

Lab Name: NYTEST ENV INC Contract: _____

Lab Code: NYTEST Case No.: 11187 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1389003

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D1809

Level: (low/med) LOW Date Received: 08/31/92

% Moisture: not dec. ____ Date Analyzed: 09/05/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	3	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8-MW-1

Lab Name: NYTEST ENV INC Contract: _____

Lab Code: NYTEST Case No.: 11187 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1389001

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D1807

Level: (low/med) LOW Date Received: 08/31/92

% Moisture: not dec. ____ Date Analyzed: 09/05/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	1	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9-MW-1

Lab Name: NYTEST ENV INC Contract: _____

Lab Code: NYTEST Case No.: 11142 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1387601

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 01786

Level: (low/med) LOW Date Received: 08/31/92

% Moisture: not dec. ____ Date Analyzed: 09/04/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000014

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM-16S

Lab Name: NYTEST ENV INC Contract: 9218699

Lab Code: NYTEST Case No.: 13933 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1393302

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D1863

Level: (low/med) LOW Date Received: 09/03/92

% Moisture: not dec. ____ Date Analyzed: 09/10/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	8	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	6	BJ
108-90-7	Cnlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000008

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FLDBLK

ab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9218699___

b Code: 10195 Case No.: 13822_ SAS No.: _____ SDG No.: B28MW1

atrix (soil/water): WATER Lab Sample ID: 822-04___

evel (low/med): LOW__ Date Received: 08/27/92

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum		-		NR
7440-36-0	Antimony	55.0	U		P
7440-38-2	Arsenic	5.0	U		F
7440-39-3	Barium		-		NR
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium		-		NR
7440-47-3	Chromium	6.0	U		P
7440-48-4	Cobalt		-		NR
7440-50-8	Copper	6.0	U		P
7439-89-6	Iron		-		NR
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium		-		NR
7439-96-5	Manganese		-		NR
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	17.0	U		P
7440-09-7	Potassium		-		NR
7782-49-2	Selenium	5.0	U		F
7440-22-4	Silver	9.0	U		P
7440-23-5	Sodium		-		NR
7440-28-0	Thallium	5.0	U		F
7440-62-2	Vanadium		-		NR
7440-66-6	Zinc	4.0	U		P
5955-70-0	Cyanide		-		NR

lor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

FIELD_BLK

FORM I - IN

ILMO2.1

0000172

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S6-MW1

Lab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9218699___

Lab Code: 10195_ Case No.: 13876_ SAS No.: _____ SDG No.: SDG758

Matrix (soil/water): WATER Lab Sample ID: 876-06____

Level (low/med): LOW__ Date Received: 08/31/92

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_	55.0	U		P_
7440-38-2	Arsenic__	23.8	_	N	F_
7440-39-3	Barium___		_		NR
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	5.0	U		P_
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_	15.0	_		P_
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___	37.2	_		P_
7439-89-6	Iron____		_		NR
7439-92-1	Lead____	11.7	_		F_
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__	0.45	_		CV
7440-02-0	Nickel___	17.0	U		P_
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_	5.0	U		F_
7440-22-4	Silver___	9.0	U		P_
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_	5.0	U		F_
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc____	16.3	B		P_
5955-70-0	Cyanide__		_		NR

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

_____

_____

FORM I - IN

0000170 ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

D6-MW1

Lab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9218699___

Lab Code: 10195_ Case No.: 13876_ SAS No.: _____ SDG No.: SDG758

Matrix (soil/water): WATER Lab Sample ID: D876-6___

Level (low/med): LOW__ Date Received: 08/31/92

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_	55.0	U		P_
7440-38-2	Arsenic__	25.0	_	N	F_
7440-39-3	Barium___		_		NR
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	5.0	U		P_
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_	6.1	B		P_
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___	37.2	_		P_
7439-89-6	Iron_____		_		NR
7439-92-1	Lead_____	4.1	_		F_
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__	0.34	_		CV
7440-02-0	Nickel___	17.0	U		P_
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_	5.0	U		F_
7440-22-4	Silver___	9.0	U		P_
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_	5.0	U	W	F_
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____	13.5	B		P_
5955-70-0	Cyanide__		_		NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

S6-MW1_DISSOLVED_____

FORM I - IN

ILMO2.1

0000167

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S6-MW2

Lab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9218699___

Lab Code: 10195_ Case No.: 13905_ SAS No.: _____ SDG No.: DISS10

Matrix (soil/water): WATER Lab Sample ID: 905-03____

Level (low/med): LOW__ Date Received: 09/02/92

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_	55.0	U		P_
7440-38-2	Arsenic__	5.0	U	N	F_
7440-39-3	Barium___				NR
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	5.0	U		P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	6.0	U		P_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___	6.0	U	N	P_
7439-89-6	Iron_____		_		NR
7439-92-1	Lead_____	6.7	_		F_
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	32.8	B		P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_	5.0	U		F_
7440-22-4	Silver___	9.0	U	*	P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_	5.0	U		F_
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____	1020	_	E	P_
5955-70-0	Cyanide__		_		NR
			_		__

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

S6-MW2_____

FORM I - IN

0000105 ILMO2.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

USGS10

) Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9218699___

ab Code: 10195_ Case No.: 13905_ SAS No.: _____ SDG No.: DISS10

atrix (soil/water): WATER Lab Sample ID: 905-01____

evel (low/med): LOW__ Date Received: 09/02/92

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_	55.0	U		P_
7440-38-2	Arsenic__	5.0	U	N	F_
7440-39-3	Barium___				NR
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	5.0	U		P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	23.5			P_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___	114		N	P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	249			F_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.54			CV
7440-02-0	Nickel___	90.9			P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_	5.0	U		F_
7440-22-4	Silver___	17.3		*	P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_	5.0	U		F_
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____	208		E	P_
5955-70-0	Cyanide__				NR

lor Before: BROWN____ Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

USGS10_____

LEAD_AT_A_5X_DILUTION._____

FORM I - IN

ILMO2.1

0000106

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DISS10

Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9218699___

Lab Code: 10195_ Case No.: 13905_ SAS No.: _____ SDG No.: DISS10

Matrix (soil/water): WATER Lab Sample ID: 905D01___

Level (low/med): LOW__ Date Received: 09/02/92

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	55.0	U		P
7440-38-2	Arsenic	5.0	U	N	F
7440-39-3	Barium				NR
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	6.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper	6.0	U	N	P
7439-89-6	Iron				NR
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	33.4	B		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		F
7440-22-4	Silver	9.0	U	*	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	5.0	U		F
7440-62-2	Vanadium				NR
7440-66-6	Zinc	22.0		E	P
5955-70-0	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

USGS10594_DISSOLVED

FORM I - IN

ILMO2.1

0000102

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S8MW-1

b Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9218699___

ab Code: 10195_ Case No.: 13890_ SAS No.: _____ SDG No.: SDG762

atrix (soil/water): WATER Lab Sample ID: 890-01____

evel (low/med): LOW__ Date Received: 09/01/92

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_	55.0	U		P_
7440-38-2	Arsenic__	5.0	U		F_
7440-39-3	Barium___		_		NR
7440-41-7	Beryllium	1.0	U		P_
7440-43-9	Cadmium__	5.0	U		P_
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_	6.0	U		P_
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___	6.0	U		P_
7439-89-6	Iron_____		_		NR
7439-92-1	Lead_____	3.0	U		F_
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	17.0	U		P_
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_	5.0	U	W	F_
7440-22-4	Silver___	9.0	U		P_
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_	5.0	U	W	F_
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____	18.1	B		P_
5955-70-0	Cyanide__		_		NR

lor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN

ILMO2.1

0000098

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9-MW1

Lab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9218699

Lab Code: 10195 Case No.: 13876 SAS No.: SDG No.: SDG758

Matrix (soil/water): WATER Lab Sample ID: 876-01

Level (low/med): LOW Date Received: 08/31/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	55.0	U		P
7440-38-2	Arsenic	5.0	U	N	F
7440-39-3	Barium				NR
7440-41-7	Beryllium	3.9	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	11.7			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	21.2	B		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.0	U	W	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	17.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U	W	F
7440-22-4	Silver	9.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	5.0	U		F
7440-62-2	Vanadium				NR
7440-66-6	Zinc	16.1	B		P
5955-70-0	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: GM-16S

Lab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9218699

Lab Code: 10195 Case No.: 13933 SAS No.: SDG No.: SDG766

Matrix (soil/water): WATER Lab Sample ID: 933-02

Level (low/med): LOW Date Received: 09/03/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	55.0	U		P
7440-38-2	Arsenic	5.0	U		F
7440-39-3	Barium				NR
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	6.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper	6.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	3.0	U	N	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U	*	CV
7440-02-0	Nickel	17.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		F
7440-22-4	Silver	9.0	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium	5.0	U		F
7440-62-2	Vanadium				NR
7440-66-6	Zinc	4.0	U		P
5955-70-0	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILMO2.1

0000088