KayVer Group, Inc.

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-DRAFT-
Phase I Environmental Site Assessment of Conrail Property So. Park Ave. & New Abby St. Buffalo, New York

Prepared for:

Buffalo Urban Renewal Agency
901 City Hall
Buffalo, New York 14202
Attn: Mr. Dennis Sutton

Prepared by:

KayVer Group, Inc.
80 Linden Avenue
Buffalo, New York 14214

April 1998

KayVer Group, Inc.

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May 11, 1998

Mr. Dennis Sutton, Environmental Program Analyst
Division of Planning
Dept. of Community Development
City of Buffalo
901 City Hall
Buffalo, New York 14202

Dear Mr. Sutton:

RE: South Park & New Abby Street, Buffalo
Phase I Environmental Site Assessment
Conrail Property - 25 Acres

Enclosed you will find three copies of the draft Phase I Environmental Site Assessment report for the 25 acres of Conrail property at South Park Avenue and New Abby Street, Buffalo, New York. Since this is a draft report only your copy has the appendices attached. These copies are submitted for review by the City of Buffalo and Conrail. Should you or Conrail have any questions or comments pertaining to the report please contact me. The final report will be issued once your comments have been received.

Very truly yours,

Sean T. Irwin

Sean T. Irwin
President

STI/mcs
Enclosures

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1.00 Introduction and Background

KayVer Group, Inc., was retained by the City of Buffalo Urban Renewal Agency to perform a Phase I Environmental Site Assessment of the approximate 25-acre Conrail property located at South Park Avenue and New Abby Street, Buffalo, New York. This report has been prepared for the exclusive benefit of the City of Buffalo.

This Phase I Environmental Site Assessment has been performed in accordance with the American Society for Testing and Materials (ASTM) "E 1527-97 Standard Practice for Environmental Site Assessments."

The goal of the process is to identify recognized environmental conditions. The term "recognized environmental conditions" means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property.

The scope of this examination included:

- a review of available, applicable records;
- interviews with individuals having pertinent knowledge or information of the property;
- a site reconnaissance; and
- submittal of this written report with evaluation and conclusion.

2.00 Site Description

2.1 Location and Current Use

The subject property, three parcels totaling approximately 25 acres, is situated near South Park Avenue and New Abby Street, Buffalo, Erie County, New York. The property is undeveloped Conrail property.

The property is identified on the United States Geological Survey (USGS) site location map presented as Figure 1.

2.2 Site and Area Features

The property consists of three parcels. For the sake of this report the parcels will be identified as Parcels A, B and C. Parcel "A" is an approximate ½-acre parcel on the north side of South Park Avenue. Parcel "A" is bound on the south by South Park Avenue and bound by the Buffalo River on the north. Parcel "A" is a rectangular lot approximately 60' X 450' in dimension. The property is an abandoned railroad track bed.

Parcel "B" is a 1.18-acre parcel on the east side of New Abby Street. The parcel is an undeveloped (never developed) lot. The parcel is irregular in shape.

Parcel "C" is a 23.3-acre parcel which had been a Conrail support yard for LTV Steel Corp. The parcel is presently undeveloped. The rail tracks have been removed. The parcel is irregular in shape.

The surrounding area is occupied with a mix of residential, commercial, and industrial properties. Property sketches of parcels "A" and "B" were supplied to KayVer Group, Inc., by Mr. Dennis Sutton, City of Buffalo Division of Planning. The sketch of parcel "C" incorporated into this report was taken from the Malcolm Pirnie report entitled "Supplemental Field Investigation Work Plan Steel Manufacturing Site" dated February 1998. The parcel sketches are attached as Figures 2, 3 and 4.

2.3 Adjacent and Nearby Properties

Parcel "A" is bound to the north by the Buffalo River and on the south by South Park Avenue. Beyond South Park Avenue is additional Conrail property, Parcel "C". Single-family homes and greenhouses for hydroponic tomato growing are adjacent to the west. A C&D (construction & demolition) processing and transfer facility is adjacent to the east.

Parcel "B" fronts New Abby Street. Across New Abby Street to the west is Parcel "C". Residential lots abut the parcel on the north, east and south.

Parcel "C" is bound by South Park Avenue on the north and New Abby Street on the east. LTV property and August Fine, Inc., are adjacent to the south. LTV property is adjacent to the north. The parcel is a former support rail yard for LTV and as such essentially runs through the LTV property. At the far west end of the parcel are active rail lines.

2.4 Topography, Surface Water and Drainage

Parcel "A" is a built-up abandoned rail line. The parcel is approximately 15 feet higher in elevation than the adjacent lands. There is no surface water. The parcel drains to contiguous lands.

Parcel "B" is essentially level. The property drains to municipal storm sewer. The property has no surface waters and no detention basins.

Parcel "C" is irregular in terrain. The northeast portion of the parcel is ten to fifteen feet higher in elevation than the rest of the property and adjacent lands. The berm on the northwest end of the property had been a rail track bed. It presently is a landscape berm to break the view of the industrial land from the houses along New Abby Street. The remainder of parcel "C" is generally level.

2.5 Utilities

The property, all three parcels, is believed to have no utilities servicing the property.

3.00 Geologic/Hydrogeologic Conditions

In lieu of using general vicinity geology and hydrogeology of the area KayVer Group, Inc., has included area specific geology and hydrogeology prepared by Malcolm Pirnie, Inc., as found in their assessment of the steel manufacturing facility as garnered from KayVer's FOIL effort. Excerpts of Malcolm Pirnie's reports addressing geology and hydrogeology can be found as Appendix 4.

4.0 Historical Information

4.1 Abstract of Title

An abstract of title was not supplied to KayVer for review.

4.2 Aerial Photographs

KayVer reviewed aerial photographs of the site at the Erie County Rath Building, Department of Environment and Planning. Aerial photographs 5H-107 and 5H-105 for 1951, #330 for year 1960 and #21-10 for 1972 were reviewed. Copies of these aerial photographs are incorporated into this report as Appendix 2. All three years show parcel "A" as an active rail track crossing the Buffalo River, Parcel "C" as an active rail support yard, and parcel "B" as undeveloped.

4.3 Fire Insurance Maps

The availability of Sanborn and other Fire Insurance Maps was searched by ERIIS. Copies of Fire Insurance Maps are attached as Appendix 3. The earliest fire insurance map provided to KayVer is an 1872 Hopkins Map. This 1872 map shows the property undeveloped. The 1884 Hopkins Map and the 1891 Baist Map both show the rail lines present. The 1917 Sanborn Map is a good representation of Parcel "B" on the east-side of New Abby Street. It shows Parcel "B" as undeveloped. The 1940 Sanborn Map shows the houses on Bertha Street along Parcel "A". The 1950 and 1986 Sanborn Maps are similar to the 1940 map. In addition, KayVer Group, Inc., reviewed Sanborn Maps at the Buffalo and Erie County Public Library, Downtown Buffalo. A 1917 Sanborn Map revised to 1921 and a 1940 map revised to 1962 were both reviewed. The 1917 Sanborn map revised to 1921 indicates residential houses were located at the area bound by New Abby Street, the former Abby Street and South Park Avenue. At the time of 1921 South Park Avenue was known as Abbott Street.

4.4 Site and Area Descriptive Chain-of-Use

The property historically has been railroad property dating back to the 1800's.

4.5 Local Records

The files at the Fire Prevention Bureau, City Hall were searched for tank records. No records were found. The building permit card file in the Building Permit Office, Room 301, City Hall, was reviewed by KayVer. No records for the subject property were discovered.

4.6 Prior Environmental Reports

KayVer Group, Inc., requested of the City of Buffalo any environmental reports it may have relative to the subject property and nearby properties. KayVer was told by the City Law Department to seek this information from the NYSDEC. The following environmental reports were reviewed by KayVer Group, Inc., at the office of the New York State Department of Environmental Conservation (NYSDEC), Region 9, Buffalo, New York. The reports were accessed via a FOIL request. These reports while not pertaining to the subject property are for adjoining parcels that could impact the subject property.

NYSDEC Spill File #9513284

1. RECRA Environmental Inc.
   10/90
   Real Property Environmental Appraisal Report
   Prepared for the City of Buffalo
   1205 South Park Avenue

2. City of Buffalo
   Phase II Environmental Investigation
   1205 South Park Avenue
   Prepared for City of Buffalo
   8/91

3. Enasco Inc.
   Limited Environmental Investigation Report
   1205 South Park
   Prepared for Buffalo Urban Renewal Agency
   10/94

4. Enasco Inc.
   Continuing Environmental Investigation Report
   1205 South Park
   Prepared for BURA
   1/95

5. Groundwater Investigation
   Former LTV Site
   1205 South Park Ave.
   Buffalo
   Prepared for BURA
   2/96
   By Foit Albert Associates

6. Subsurface Investigation
   Former LTV Site
   1205 South Park Ave.
   Prepared for BURA
   5/96
   Prepared by Foit Albert Associates

7. Truscon Soil Remediation Project 0848-260
   1205 South Park Ave.
   Sample Dates 8/96
   Soil/Investigation Results & Remedial Plan
   Outline for the Truscon Site (1205 SPA)
   Original 8/27/96
   Revised 8/29/96
   By Malcolm Pirnie

8. Sampling Report & Remedial Plan
   For the Truscon Property
   For the City of Buffalo
   9/96
   By Malcolm Pirnie

9. Remedial Report for the Truscon Property
   For the City of Buffalo
   12/96
   By Malcolm Pirnie

10. Supplemental Field Investigation Work Plan
    Steel Manufacturing Site
    LTV Steel Company
    2/98
    By Malcolm Pirnie

11. South Buffalo Redevelopment Plan
    Steel Manufacturing Site
    Voluntary Cleanup Site Assessment Report
    Volume 1 Text, Volumes 2 & 3, Appendices
    By Malcolm Pirnie
    September 1997

In summary, the above reports address two sites: the site at 1205 South Park Avenue and the LTV Steel Site. The 1205 South Park Avenue site, on the north side of South Park Avenue, is now occupied by the hydroponic greenhouses. There had been a diesel spill at the northeast portion of the property that required corrective action. This site has essentially been remediated to the satisfaction of the NYSDEC.

The second site, the steel manufacturing site, is on the south side of South Park Avenue. This site is contiguous to Parcel "C"

on both the north and south. The "Steel Manufacturing Site" is essentially split by parcel "C". This site, both north and south of the subject property, will require remedial action. Malcolm Pirnie, Inc., is continuing the investigation. The Malcolm Pirnie Supplemental Field Investigation report is scheduled for release sometime April 1998. This yet-to-be-released report should determine if the subject property has a potential for having been contaminated by the steel manufacturing site.

The following Phase I & soil sampling report addresses the Parcel "B" on the eastside of New Abby Street.

Phase I Environmental Site Assessment And Soil Sampling Program
New Abby and Amelia Streets
Buffalo, New York
January 1997
For City of Buffalo Department of Community Development
Prepared by Acres International Corp.

The report covers not only the Conrail property but also land already owned by the City of Buffalo. The conclusions of the report are:

> "Based on the foregoing assessment, it is the opinion of Acres that this assessment revealed evidence of the following recognized environmental conditions in conection with the site:
>
> - PAH concentrations in excess of NYSDEC recommended soil cleanup objectives; and
> - Variable and sporadic occurrences of elevated metals.
>
> Acres recommends that some additional testing be performed to confirm existing analytical data. In addition, Acres recommends that all excess surficial fill be removed to the grade level of the surrounding residential community prior to site development. Soil removal and site grading activity should be visually inspected for indications of any contamination within the fill at the site."

5.00 Site Reconnaissance

The site reconnaissance took place on Friday, March 20 and Monday, March 23, 1998. The reconnaissance was performed by Sean T. Irwin, KayVer Group, Inc.

5.1 Description of Site Processes

The site is the abandoned railroad property.

5.2 Hazardous Substances Usage & Storage

There is no record of hazardous substance usage or storage on Parcels "A" or "B". Parcel "C" had been a support rail yard for LTV. As such, there is reason to suspect hazardous substances related to the steel industry as having been on site.

5.3 Petroleum Products Usage & Storage

There is no record of petroleum product usage or storage on Parcels "A" or "B". Parcel "C" had been a support rail yard for LTV. As such there is reason to suspect petroleum product usage related to the steel industry as having been on site.

5.4 Underground and Aboveground Storage Tanks

There are no underground storage tanks (USTs) or aboveground storage tanks (ASTs) on site. There are no records indicating USTs or ASTs as having been on site.

5.5 Drums, Containers

There is one drum of what appears to be ashes and cinder on parcel "A". Based on appearances, KayVer is lead to believe this is remnant of burning trash. This is in close proximity to the four houses along Bertha Street.

No drums or suspicious containers were observed on parcels "B" or "C".

5.6 PCBs Usage

There are no electrical transformers situated on the property. No PCB-containing equipment was observed on site.

5.7 Stains, Corrosion, Stressed Vegetation

No indications of stains, corrosion or stressed vegetation were observed at the property during the site reconnaissance, other than what is typical of abandoned railroad track beds.

5.8 Fill, Solid Waste Disposal

No dumping was observed by KayVer on parcel "A". Along the west property line of parcel "A" there is trash. No noticeable dumping has occurred on parcel "C". No dumping was observed on parcel "B".

There is a berm running along New Abby Street. This berm material is identified in the Malcolm Pirnie report, Steel Manufacturing Site Remedial Action Work Plan, Appendix I, September 1997, prepared for LTV Steel Company and Hanna Furnace Corporation, Section 2.1, page 2. The berm material is intended to be used "... as general fill to backfill soil excavations and/or to achieve desired subgrades."

5.9 Wastewater

The property does not generate wastewater.

5.10 Wells

No wells were observed on the property. There is no record of wells on the property.

5.11 Sewage Disposal System

The property is not connected to the municipal sanitary sewer system.

5.12 Drains and Sumps

No drains or sumps were observed on site.

5.13 Pits, Ponds and Lagoons

There are no pits, ponds or lagoons on the property.

5.14 Asbestos

No asbestos-containing building materials (ACBM) were observed on site.

5.15 Lead Paint

No lead-based paint was observed on site.

5.16 Other Issues of Concern

There are no other concerns.

6.00 Regulatory Information

A data search has been performed by ERIIS as part of this assessment. The database search was performed in accordance with the requirements of the ASTM Standard. A summary of the data search plottable sites and the listings for the subject site follows. A copy of the data search record can be found as Appendix 3. None of the registered sites reported by ERIIS are believed by KayVer Group, Inc., to significantly affect the environmental condition of the subject property with the exception of the LTV and Donna Hanner Steel Manufacturing Site. The listed unplottable sites are not considered by KayVer to significantly affect the environmental condition of the subject property.

6.1 NPL Sites

There are no National Priority List sites within a mile radius of the property.

6.2 CERCLIS Sites

There are no sites under review by the US EPA within a quarter-mile radius of the property.

6.2.1 CERCLIS NFRAP Sites

There is one CERCLIS Archive site registered by the US EPA within a quarter-mile radius of the property. The site is Donner-Hanna Coke at Abby Street and Mystic Street.

6.3 RCRA TSD Facilities

There are no RCRA actively permitted treatment, storage or disposal facilities within a mile radius of the property.

6.3.1 RCRA TSD Facilities Subject to Corrective Action

There are three RCRA permitted treatment, storage or disposal facilities subject to corrective action within a mile radius of the property as having had corrective actions taken and completed. The sites are Mobil Oil at 635 Elk Street; Buffalo Color at 340 elk Street; and Allied Signal at 20 Peabody Street.

6.4 RCRA Large-Quantity Generators

There are no RCRA registered large-quantity generators of hazardous waste within a quarter mile of the site.

6.5 RCRA Small-Quantity Generators

There is one registered RCRA small-quantity generator of hazardous waste within a quarter mile of the property. The site is Tops Market at 1438 South Park Avenue.

6.6 ERNS List

There are no listings under the Emergency Response Notification System of spills within an eighth mile of the property.

6.7 State Hazardous Waste Sites

There are six sites on the NYSDEC list of hazardous waste sites within a mile radius of the property. The sites are Dona Hanna Coke at Abby Street and Mystic Street; Mobil Oil at 635 Elk Street; Buffalo Color at 340 Elk Street; Tift and Hopkins at same address; Altift Landfill at Tift Street; and Behringer at 181 Imson Street.

6.8 State Landfill/Solid Waste Disposal Sites

There is one permitted facility for solid waste landfills, incinerators, treatment or transfer stations within a half-mile radius of the property. The site is republic Steel Corp. at 1175 S. Park Avenue.

6.9 Underground Storage Tank Sites

ERIIS has reported that there are two registered sites with the NYSDEC as having underground petroleum bulk storage tanks (USTs) and one site with a chemical bulk storage tank within a quarter mile of the property. The sites are Zilon Sales LTD at 1365 S. Park Ave and SUNOCO at 1409 S. Park Ave.

6.10 Active Spills & Leaking Underground Storage Tank Sites

There is one registered site as having an active spill and one site registered as having a leaking underground storage tank (LUST) within a half mile of the property. The site of the leaking tank is Wil-Par Packing Co. at 82 Abbott Road. The spill site is TOPS at 1438 s. Park Ave.

6.11 Local Waste Sites

There are no waste sites located within a half mile of the property registered with the county.

6.12 New York Resolved Spill Cases

There are three listed sites within a half mile of the subject property as having had resolved spills. The three sites are LEBIS Contracting at 1400 S. Park Ave.; Abby Street at O'Connor Street and Donner-Hanna at Abby Street and Baraga Street.

7.00 Interviews

7.1 Owners, Operators and Adjacent Land Owners

Mr. Robert C. Krafty, property manager for CONRAIL, telephone interview, March 27, 1998. Mr. Krafty reported to KayVer that to his knowledge there is no hazardous or petroleum contamination of or at the subject property. Mr. Krafty went on to say that he has been Property Manager of this site since only February 1997. I asked who at CONRAIL would have a better knowledge of the site history and was told to contact the former Property Manager, Mr. Gerald Edwards.

Mr. Gerald Edwards, telephone interview, April 1, 1998. Mr. Edwards stated to KayVer that he was Property Manager of the subject property for approximately 4 ½ years prior to Mr. Krafty. Mr. Edwards is not aware of any hazardous or petroleum contamination of or at the subject property.

7.2 Government Officials

Mr. Greg Sutton and Mr. Tim Diefembach, NYSDEC, Region 9, relative to the LTV sites. The NYSDEC reported to KayVer that the land to the north of South Park Avenue, the site of the hydroponic green houses had a diesel spill which has been corrected. The LTV and Donna Hanna sites which straddle the subject property is still under investigation and that the next supplemental investigation report is due out in April 1998.

8.00 Findings and Conclusions

The following concerns associated with hazardous or petroleum contamination or potential contamination have been identified:

The three parcels are discussed independent of each other:

A. Parcel A
Parcel "A" is the +/- ½-acre parcel north of South Park Avenue, running north to the Buffalo River. This parcel is an abandoned railroad ROW approximately 10-15 feet higher in elevation than the adjacent lands.

There is no recorded or reported hazardous contamination of this parcel. It had been a railroad track bed since before 1884.

B. Parcel B
Parcel "B" is the approximate 1.18-acre parcel on the east side of New Abby Street. Acres International Corp., performed a sampling program at this site in January 1997. The findings and conclusions are in Section 9.

C. Parcel C
Parcel "C" is the +/- 23.3-acre parcel. This parcel is an abandoned Conrail ROW. The parcel divides LTV property. The LTV property both to the north and south of the subject property is undergoing an environmental site investigation. Malcolm Pirnie, on behalf of LTV, is performing an environmental site investigation to delineate site contamination of the LTV property. There is concern for potential hazardous contamination of parcel "C" due to its past use as a support rail yard for LTV Steel and the past use and present condition of the contiguous LTV property.

The information in this report is true and accurate to the best of KayVer Group, Inc.'s, knowledge.

9.00 Recommendations

The three parcels are discussed independent of each other:

A. Parcel A
Parcel "A" is the +/- ½-acre parcel north of South Park Avenue, running north to the Buffalo River. This parcel is an abandoned railroad ROW approximately 10-15 feet higher in elevation than the adjacent lands. There is no recorded or reported hazardous contamination of this parcel. It had been a railroad track bed since before 1884. The railroad bed was constructed prior to the time of the surrounding steel mills.

If the intent is to leave the earth and build a roadway on top of it, KayVer has discovered no reason to suspect site conditions to negate this use. If no earth is to be moved off site and the surface is essentially to be covered by roadway, there is no indication that further investigation is required.

If the intended use of the parcel is to be other than roadway or in the event earth may be moved off site, then KayVer recommends a sampling and analytical program to determine whether or not there is significant contamination.

B. Parcel B
Parcel "B" is the approximate 1.18-acre parcel on the east side of New Abby Street. There is no record of this parcel ever being developed.
The Acres International Corp. Phase I 1997 report states:
The report covers not only the Conrail property but also land already owned by the City of Buffalo. The conclusions of the report are:
"Based on the foregoing assessment, it is the opinion of Acres that this assessment revealed evidence of the following recognized environmental conditions in conection with the site:

- PAH concentrations in excess of NYSDEC recommended soil cleanup objectives; and
- Variable and sporadic occurrences of elevated metals.

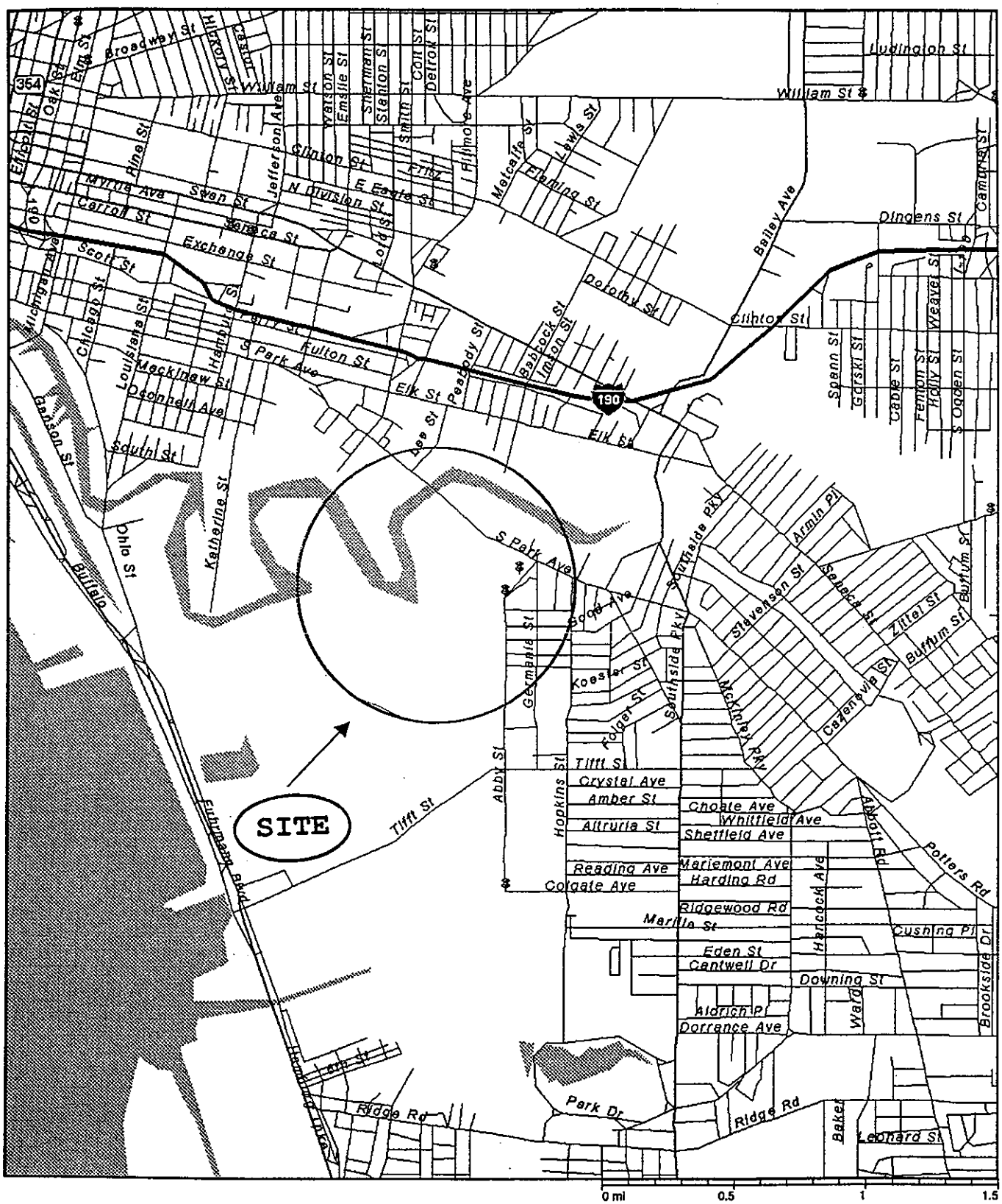
Acres recommends that some additional testing be performed to confirm existing analytical data. In addition, Acres recommends that all excess surficial fill be removed to the grade level of the surrounding residential community prior to site development. Soil removal and site grading activity should be visually inspected for indications of any contamination within the fill at the site."

C. Parcel C

Parcel "C" is the +/- 23.3-acre parcel. This parcel is an abandoned Conrail ROW. The parcel divides LTV property. The LTV property both to the north and south of the subject property is undergoing an environmental site investigation. Malcolm Pirnie, on behalf of LTV, is performing an environmental site investigation to delineate site contamination of the LTV property. There is concern for potential hazardous contamination of parcel "C" due to its past use as a rail support yard to LTV Steel and the past use and present condition of the contiguous LTV property.

KayVer recommends waiting for the Malcolm Pirnie supplemental investigation report for the adjacent LTV properties which is currently underway. It is KayVer's understanding that based on the findings of the Malcolm Pirnie report, which is due to be issued by the end of April 1998, that a determination will be made by the NYSDEC whether there is reason to suspect off-site contamination and whether an off-site investigation will include the subject Conrail property.

Due to the decades long use of the adjoining property as a steel manufacturer (LTV) known to be contaminated and the subject property having been railroad property for over 100 years KayVer recommends ensuring a proper Phase II environmental site assessment (sampling and analytical program) is performed on this 23.5-acre parcel.



Microsoft Automap
Streets Plus

FIGURE 1 SITE LOCATION MAP

South Park Ave. & New Abby Street, Buffalo, New York 14220

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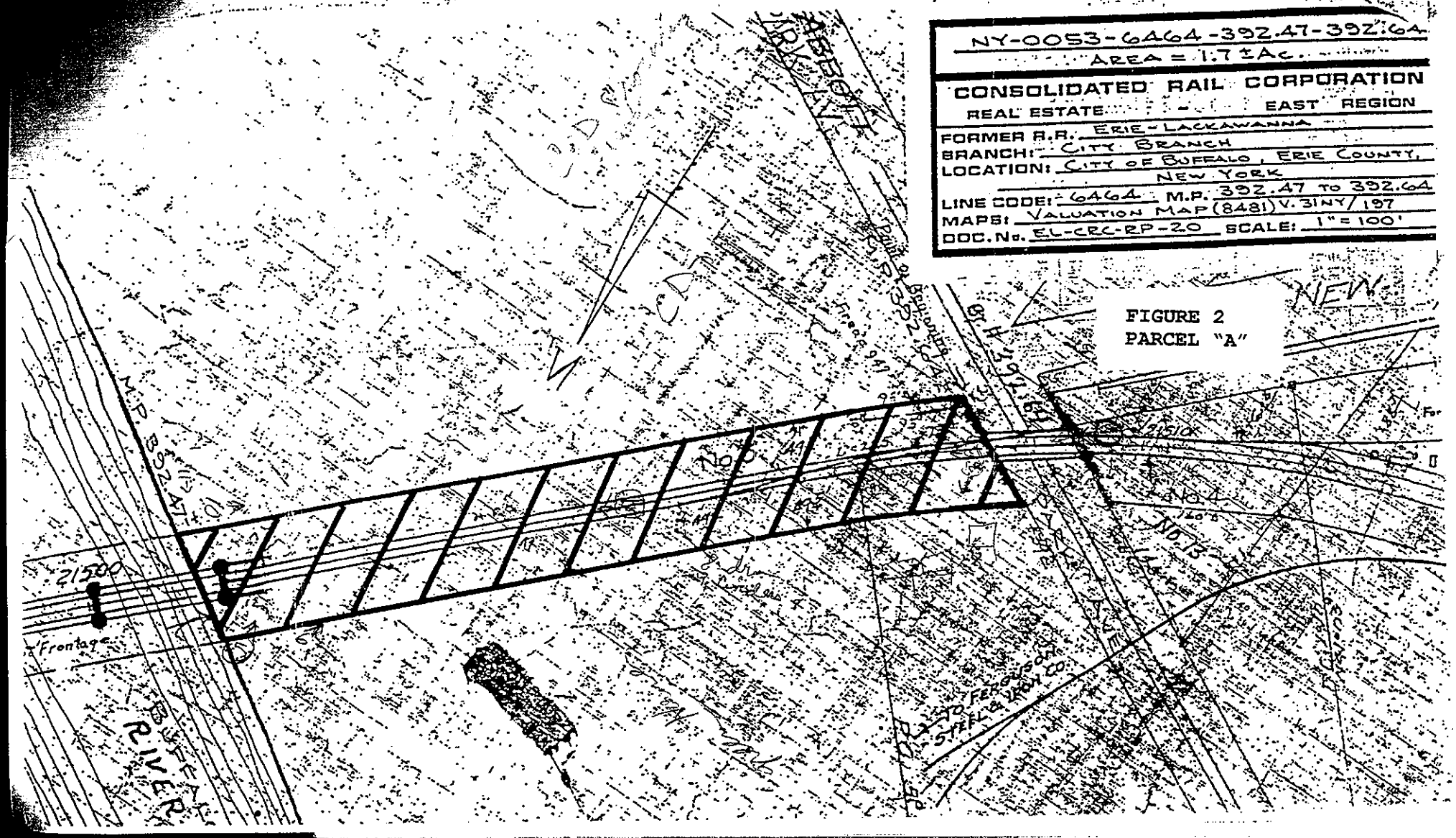

NY-0053-6464-392.47-392.64
AREA = 1.7 ± Ac.
CONSOLIDATED RAIL CORPORATION
REAL ESTATE EAST REGION
FORMER R.R. ERIE-LACKAWANNA
BRANCH: CITY BRANCH
LOCATION: CITY OF BUFFALO, ERIE COUNTY, NEW YORK
LINE CODE: 6464 M.P. 392.47 TO 392.64
MAPS: VALUATION MAP (8481) V. 31NY/197
DOC. No. EL-CRC-RP-20 SCALE: 1" = 100'
FIGURE 2
PARCEL "A"
M.P. 392.47
21500
Frontage
BUFFALO RIVER
NO. 13
NO. 4
NO. 1
NEW

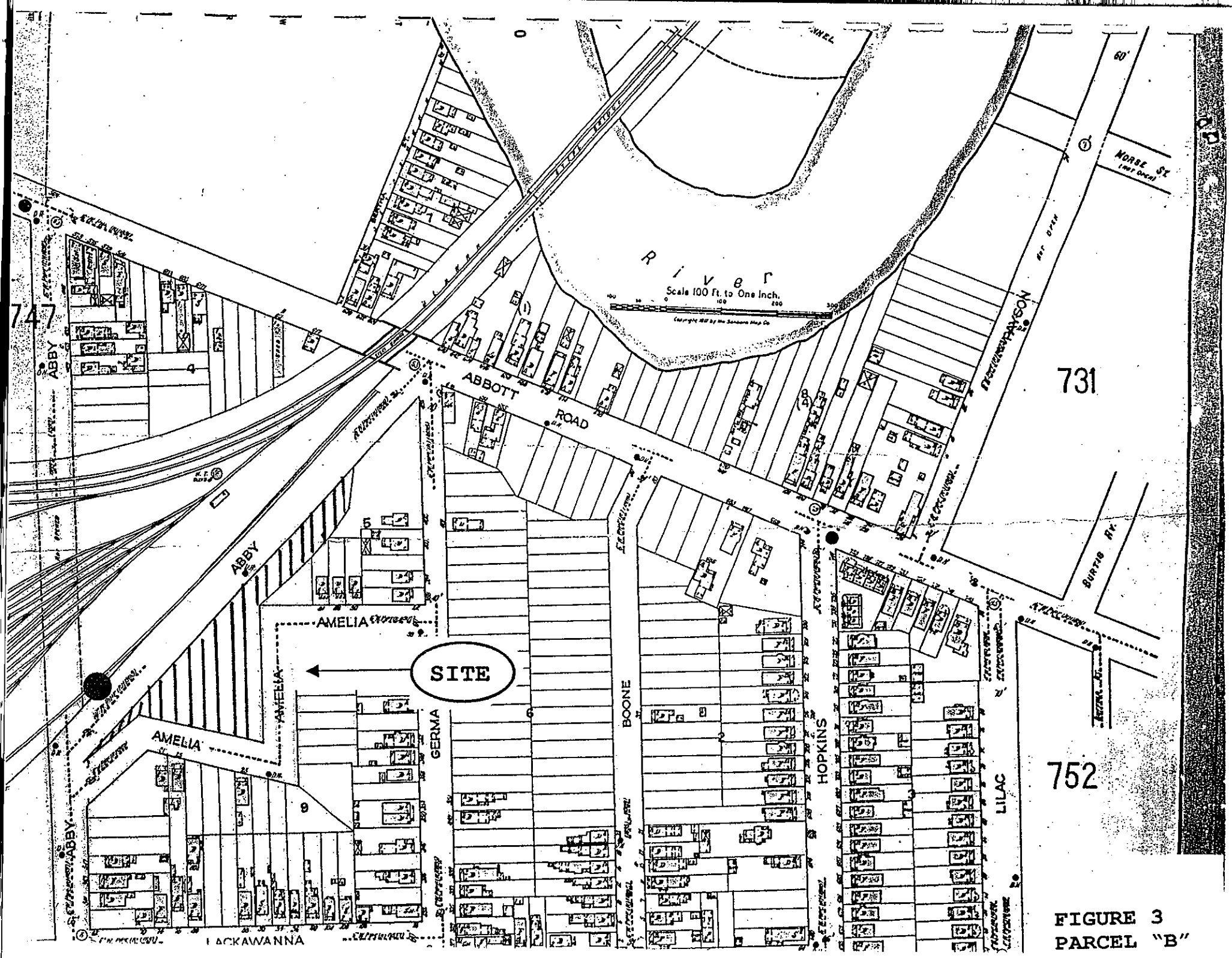


FIGURE 3
PARCEL "B"

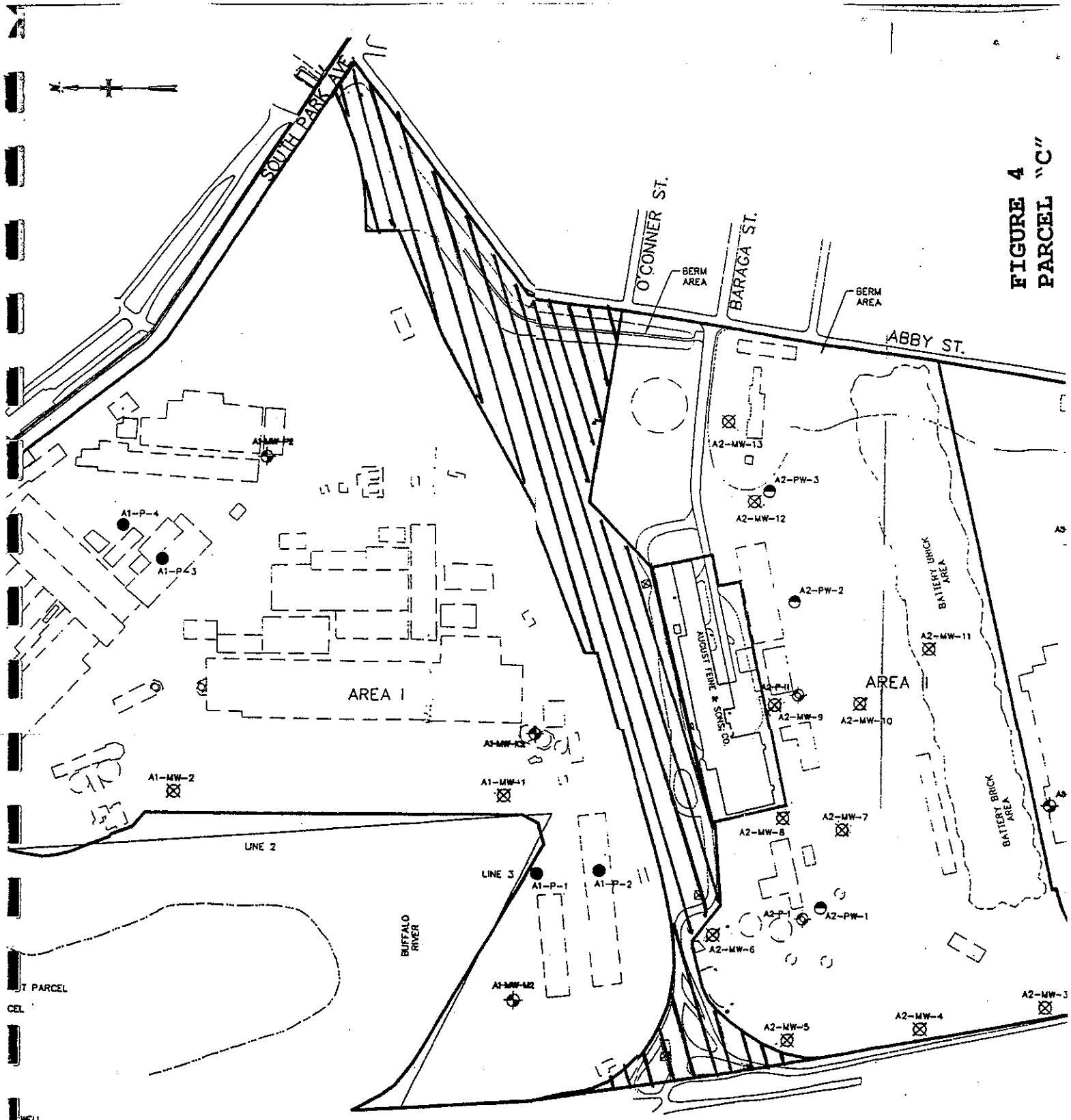


FIGURE 4
PARCEL "C"

REVISIONS			
NO.	BY	DATE	REMARKS

DES
DWN
CKD

LTV STEEL COMPANY
FORMER REPUBLIC STEEL PLANT AREA
STEEL MANUFACTURING SITE

SUPPLEMENTAL FIELD INVESTIGATION

APPENDIX 1

Site Photographs

1. Parcel "A", looking north from across So. Park Ave.

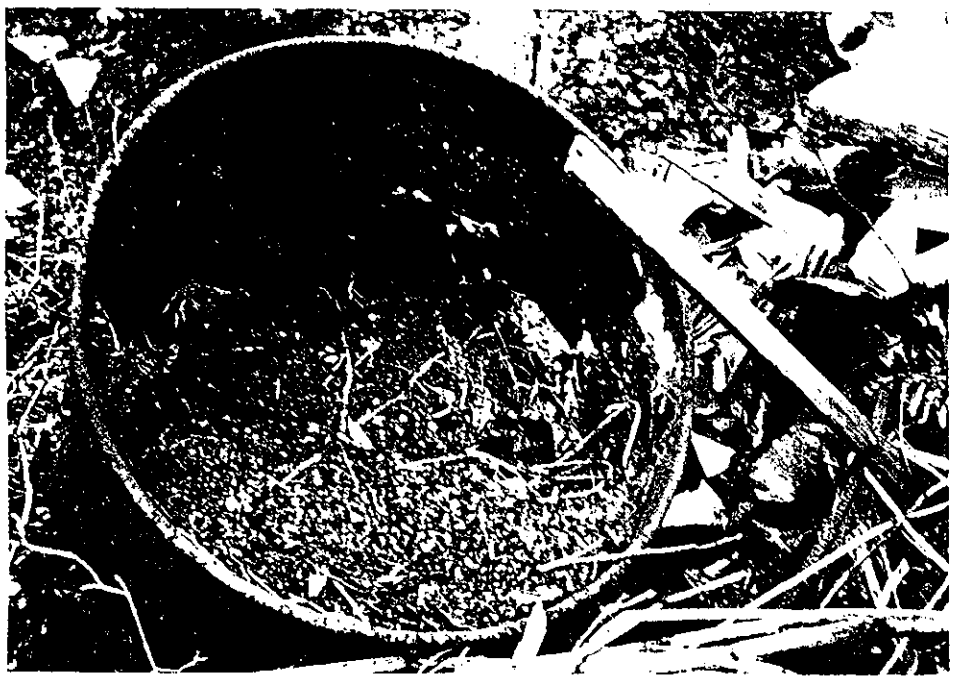
2. Top of bank, looking north toward river taken from south end of parcel

3. Midway point of Parcel "A" looking north

4. Houses adjacent to to Parcel "A" to the west

5. Lands contiguous to Parcel "A" on the west

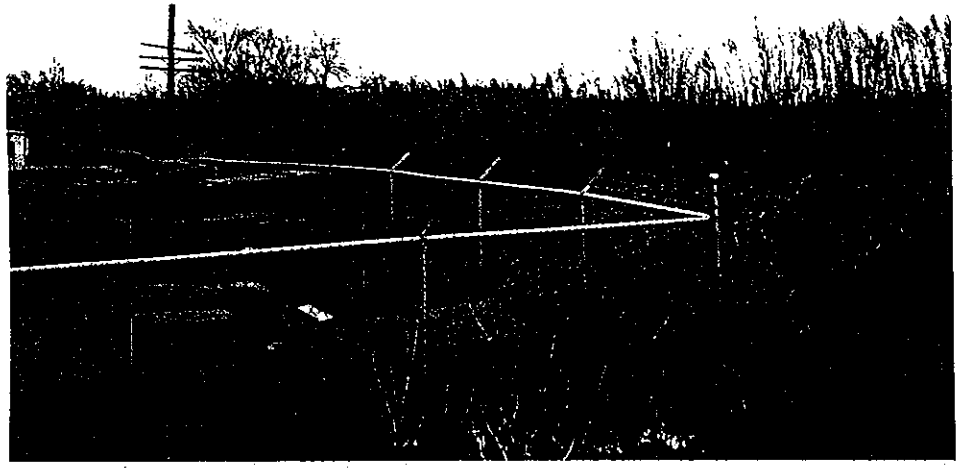
6. Lands contiguous to Parcel "A" on the west



7. Drum appears to be full of ash & cinders, along west property line appears non hazardous trash ash

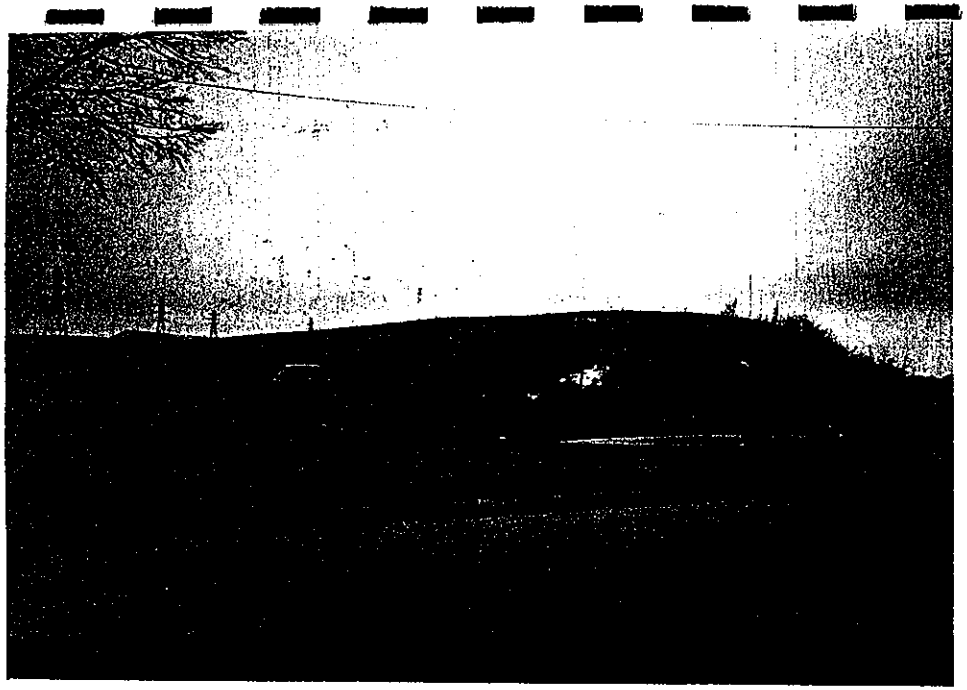
8. Ash & cinders along west property line appears non hazardous trash ash

9. Northeast end of Parcel "A"

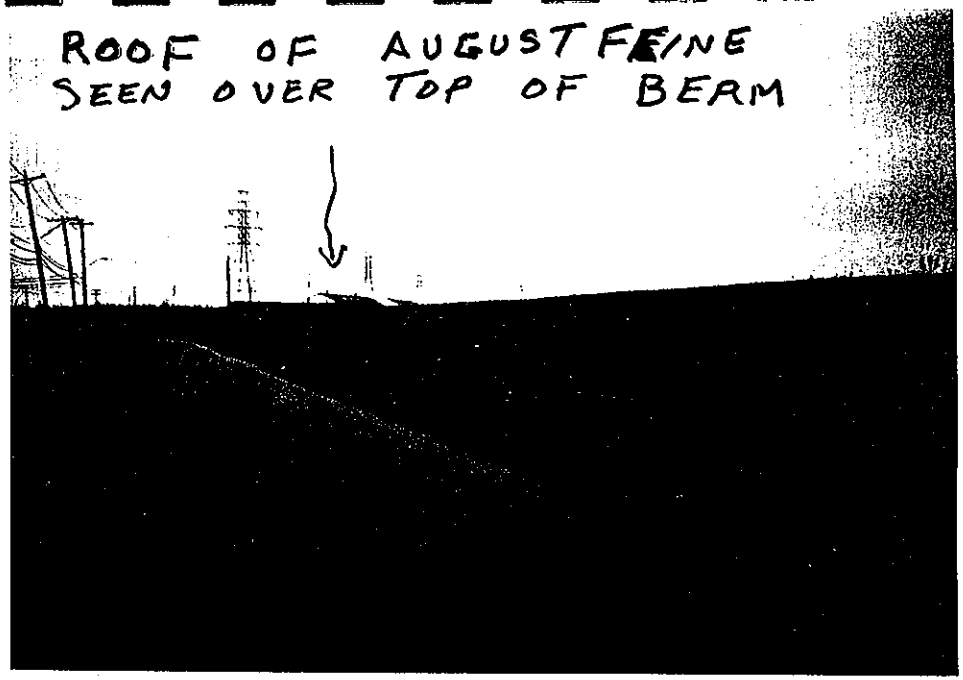


10. Northern most point of Parcel "A" along Buffalo River

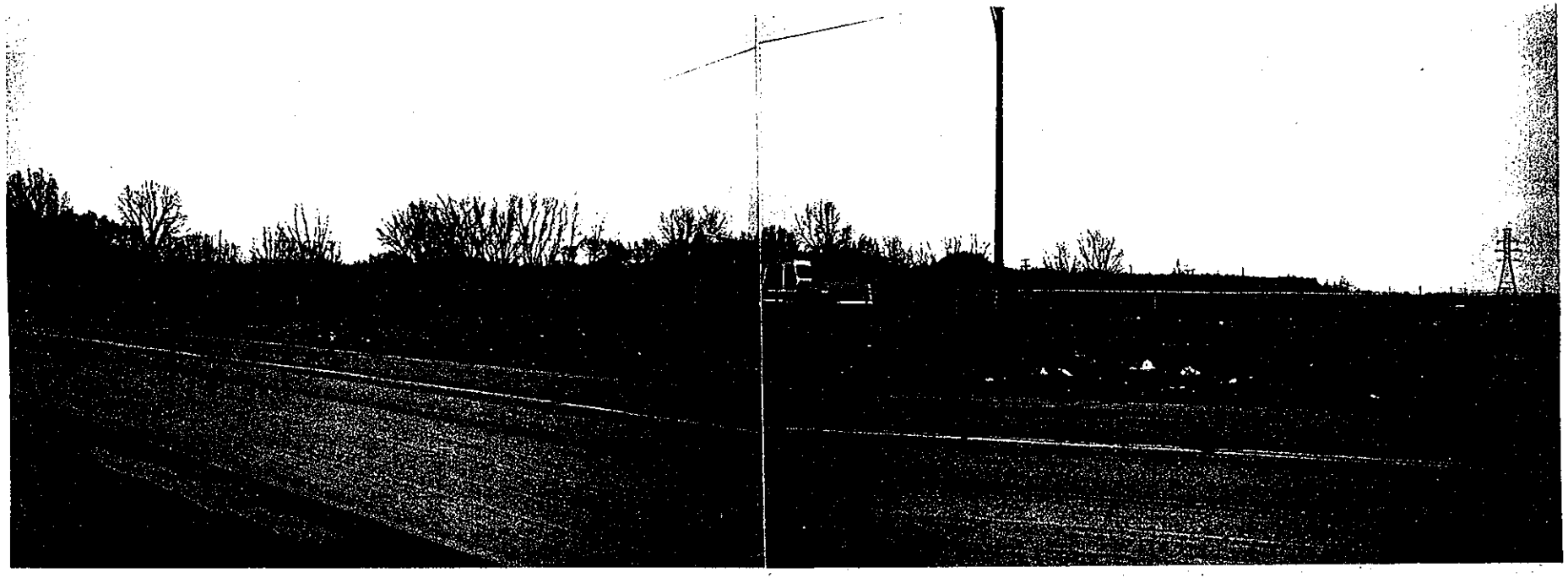
11. Parcel "B" east side of New Abby Street



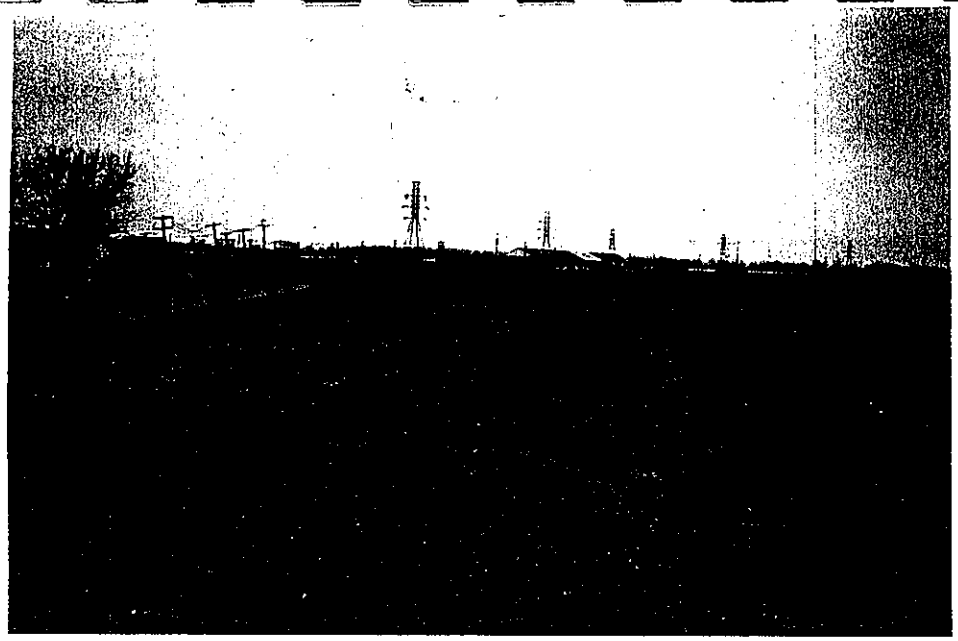
12. SW corner of So. Park & New Abby St



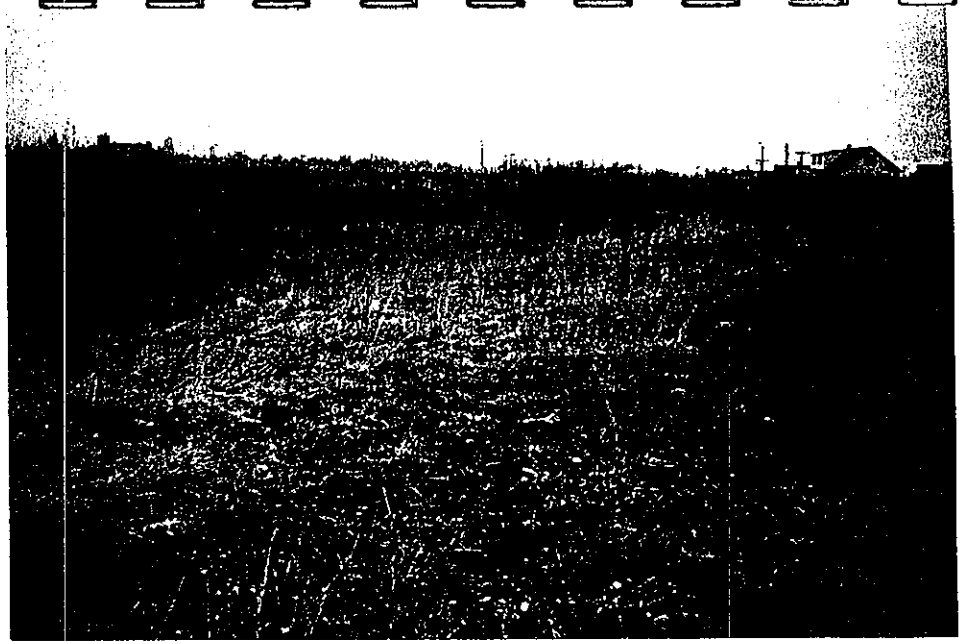
13. Looking south on New Abby St



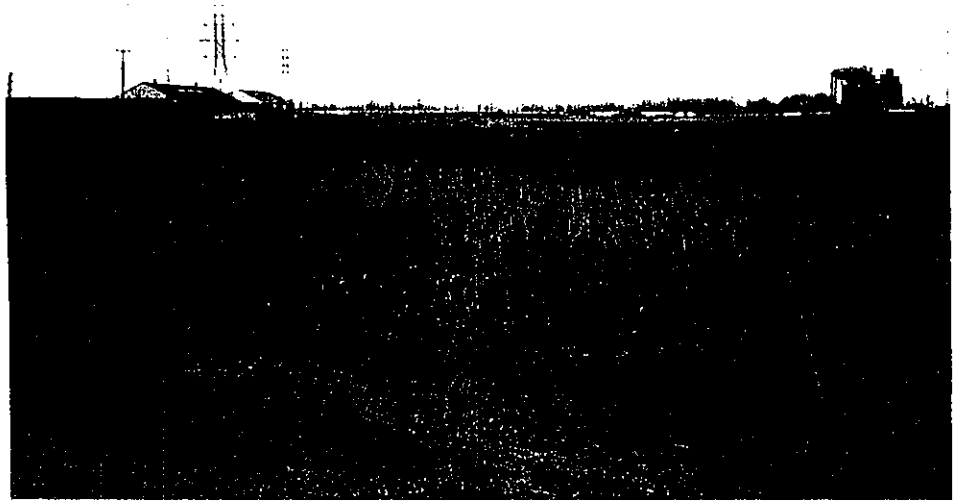
14. West side of 15" berm near So. Park



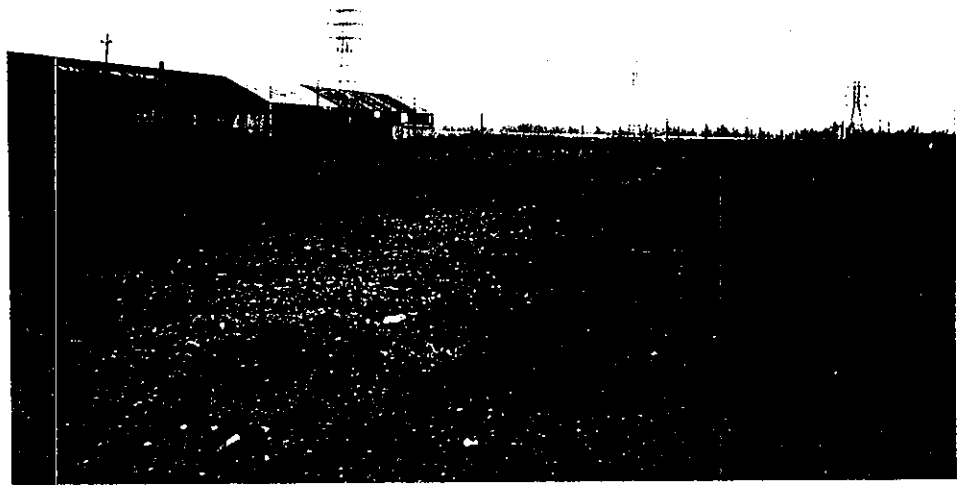
15. Top of berm looking south toward August Feine



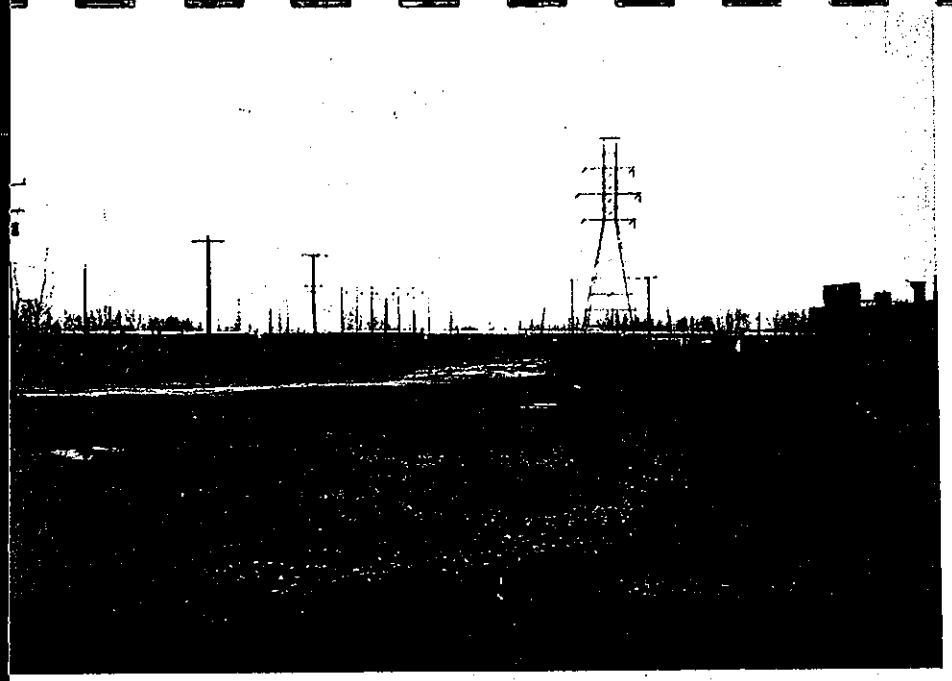
16. Top of berm looking toward So. Park Ave.



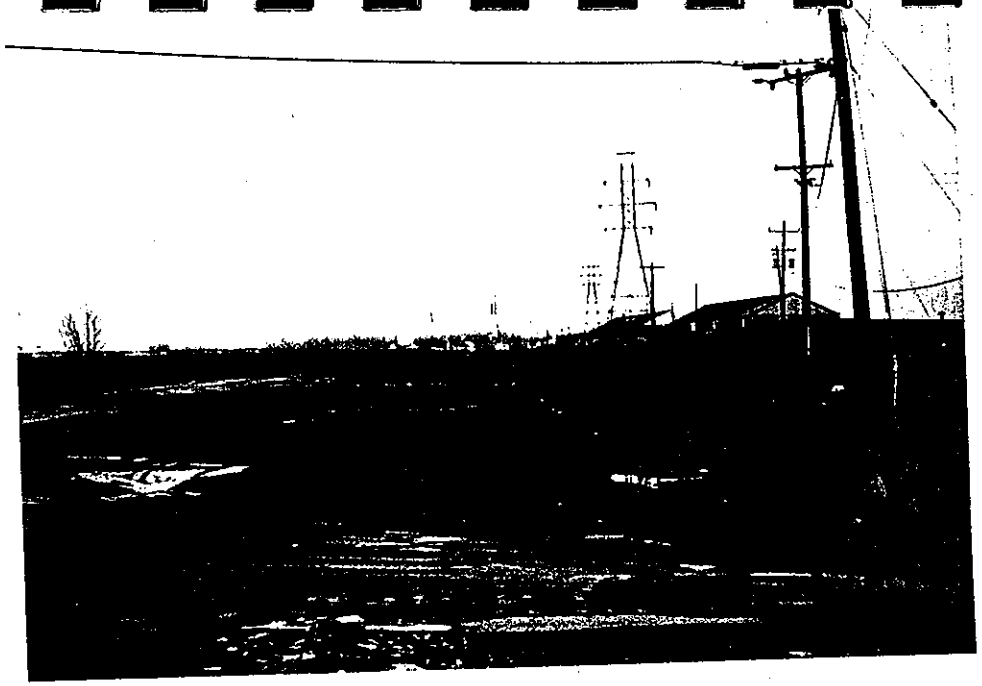
17. Looking west toward August Feine



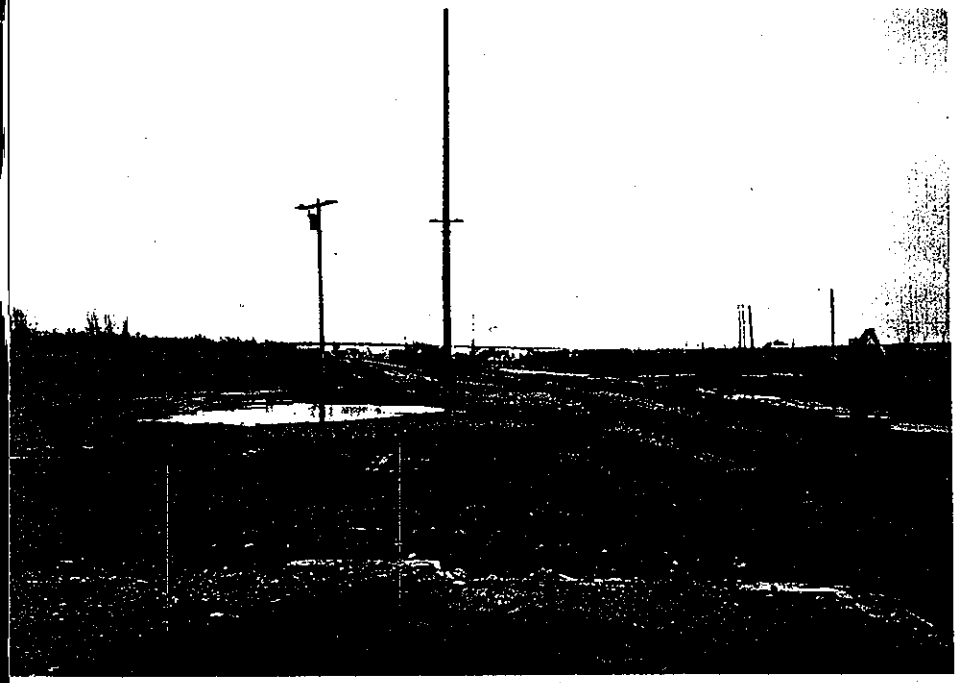
18. Near August Feine, looking west



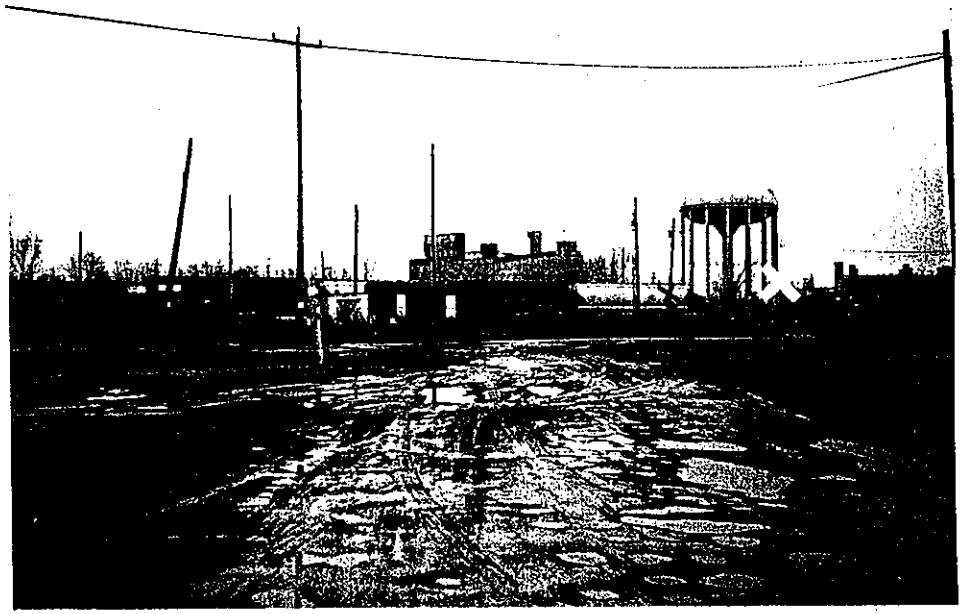
19. West portion of parcel, LTV fence on the right



20. At western most property line, looking east toward August Feine



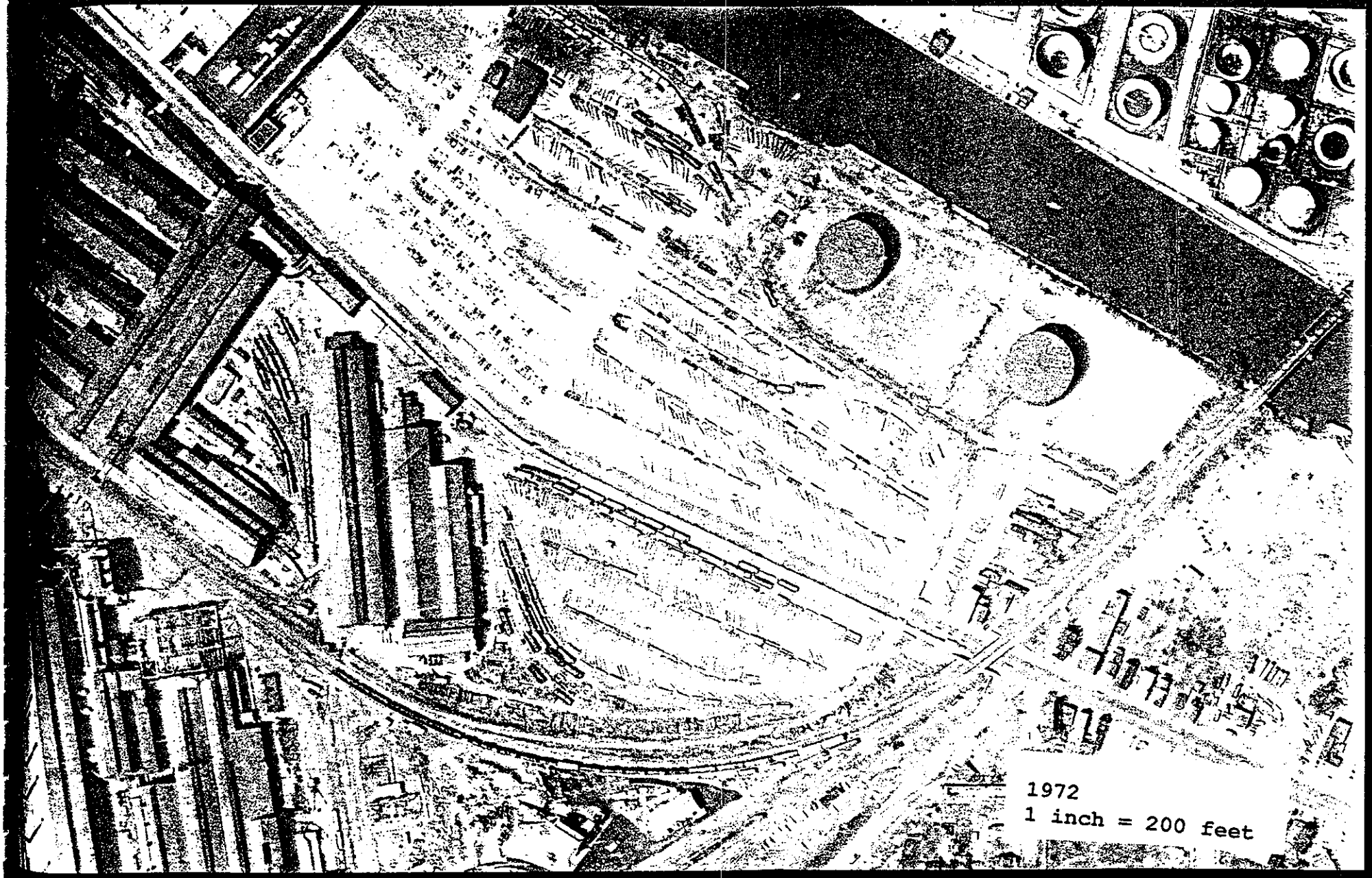
21. SW most portion of property

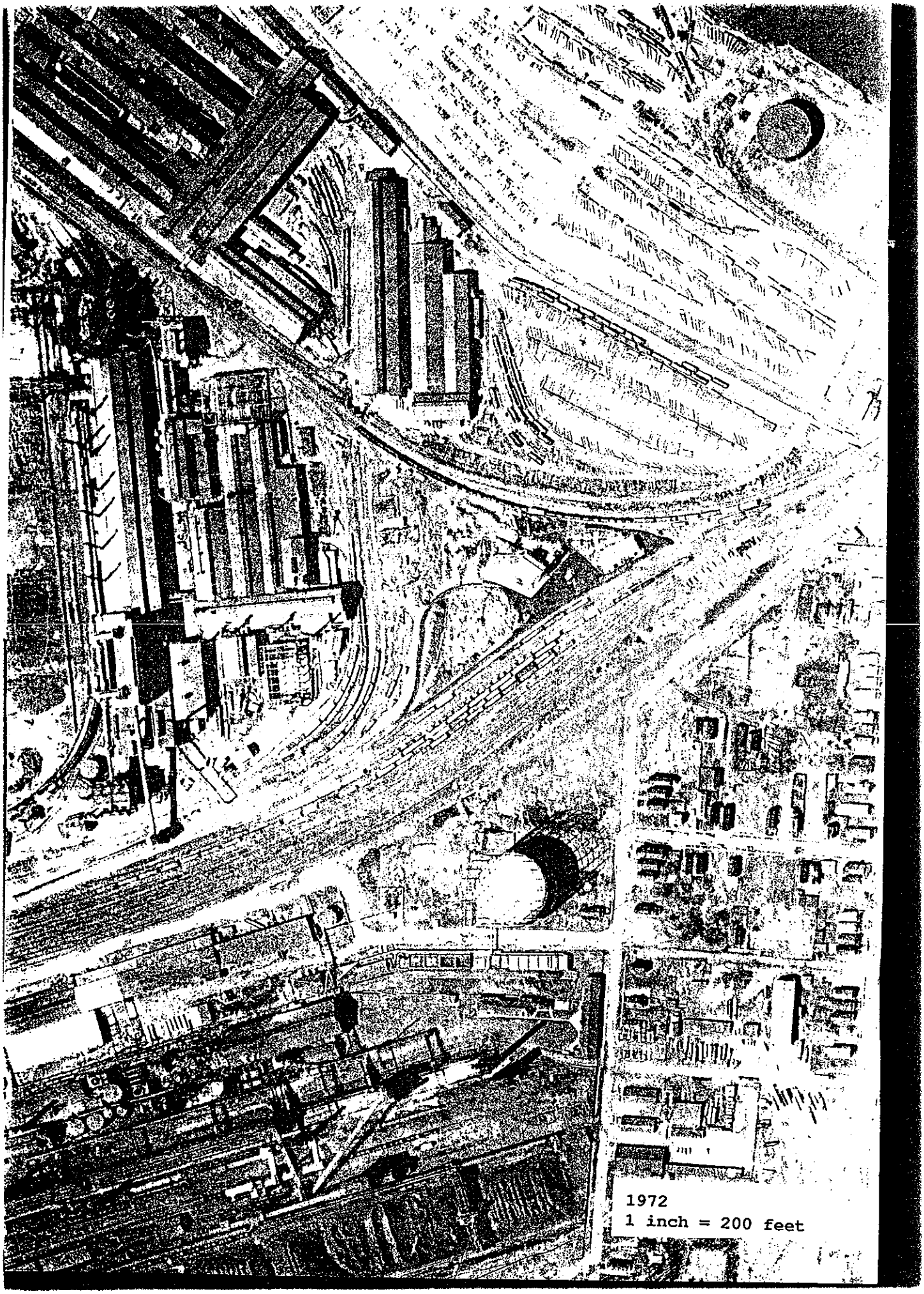


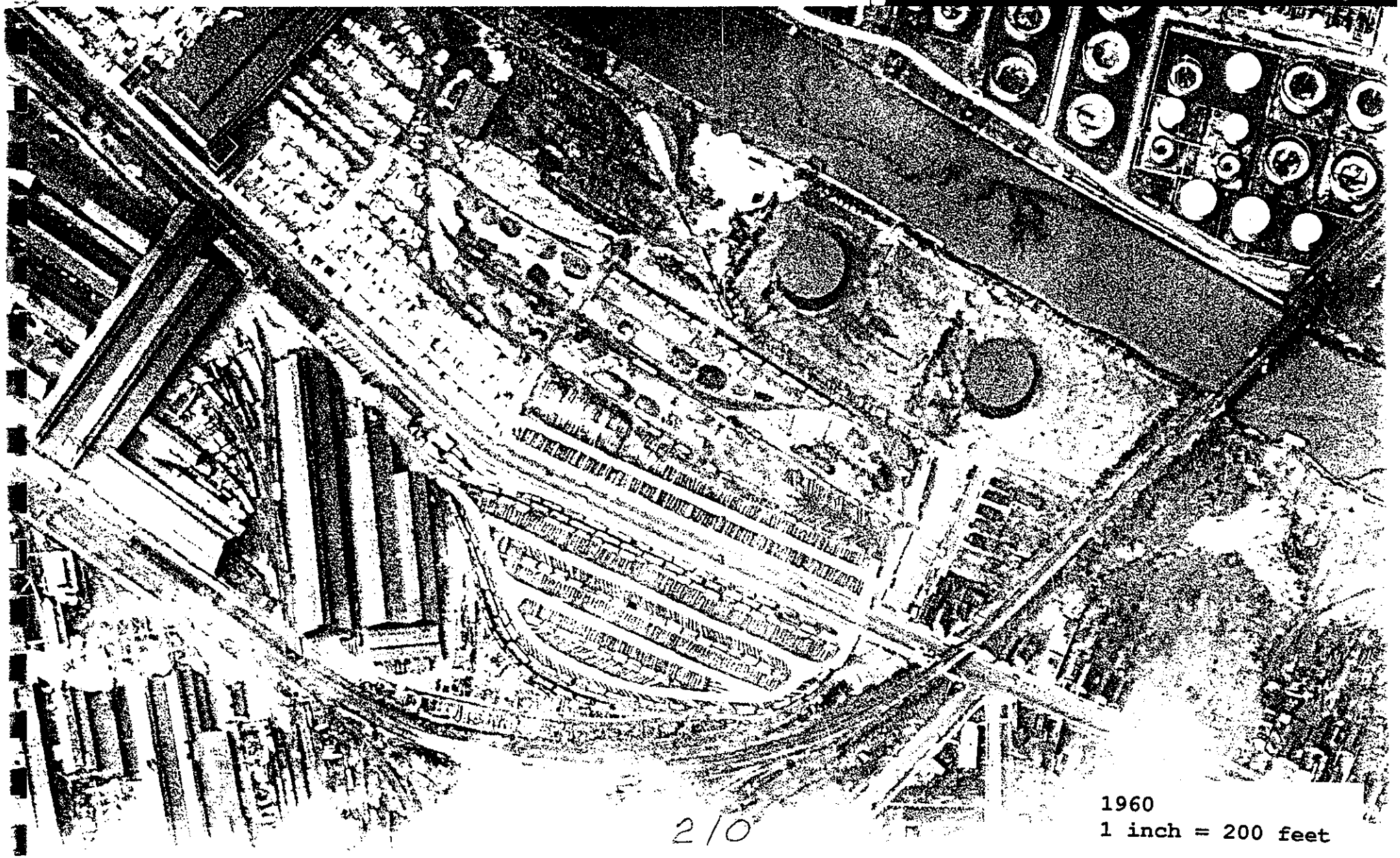
22. NW most portion of property

APPENDIX 2

Aerial Photographs

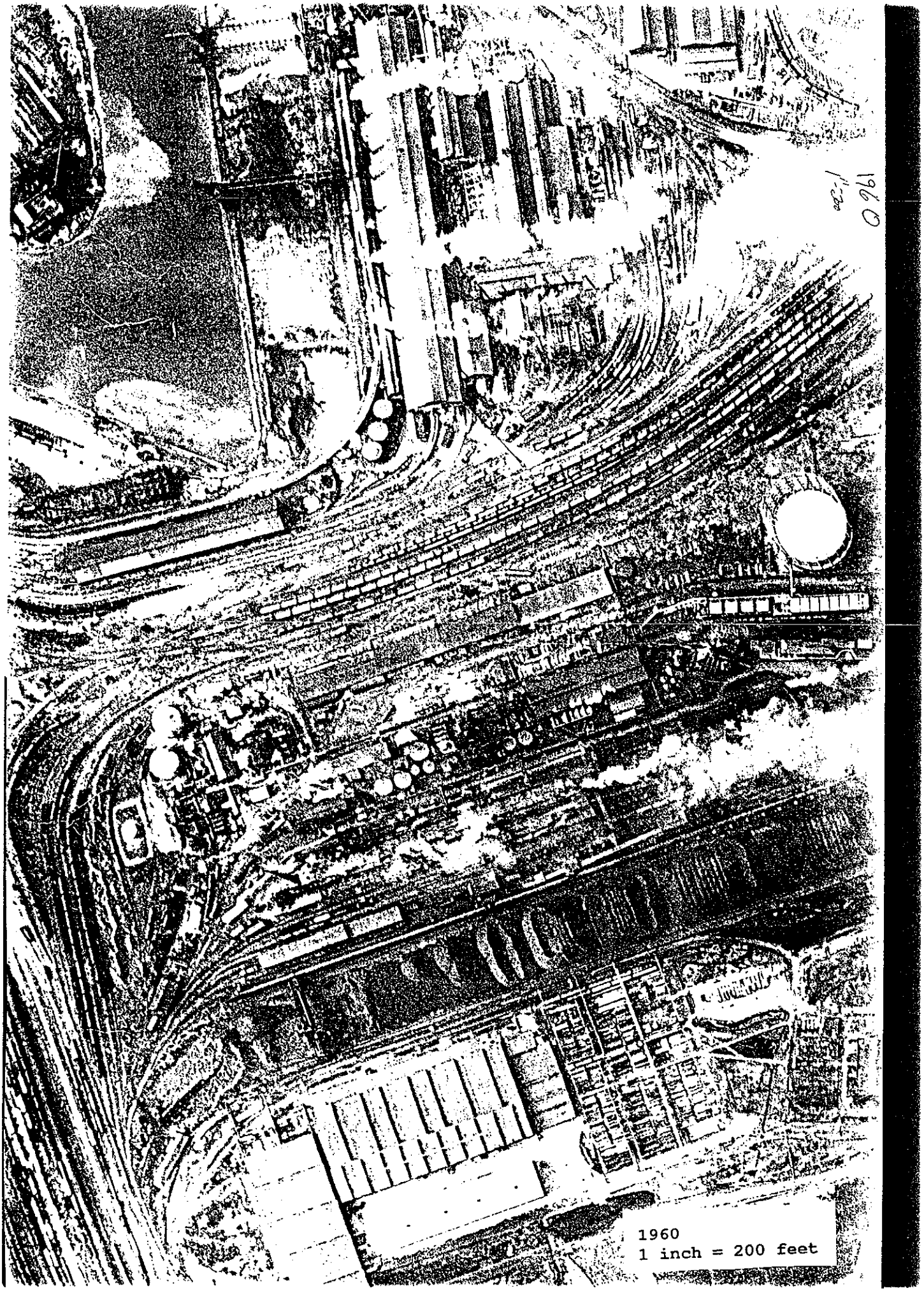

1972
1 inch = 200 feet

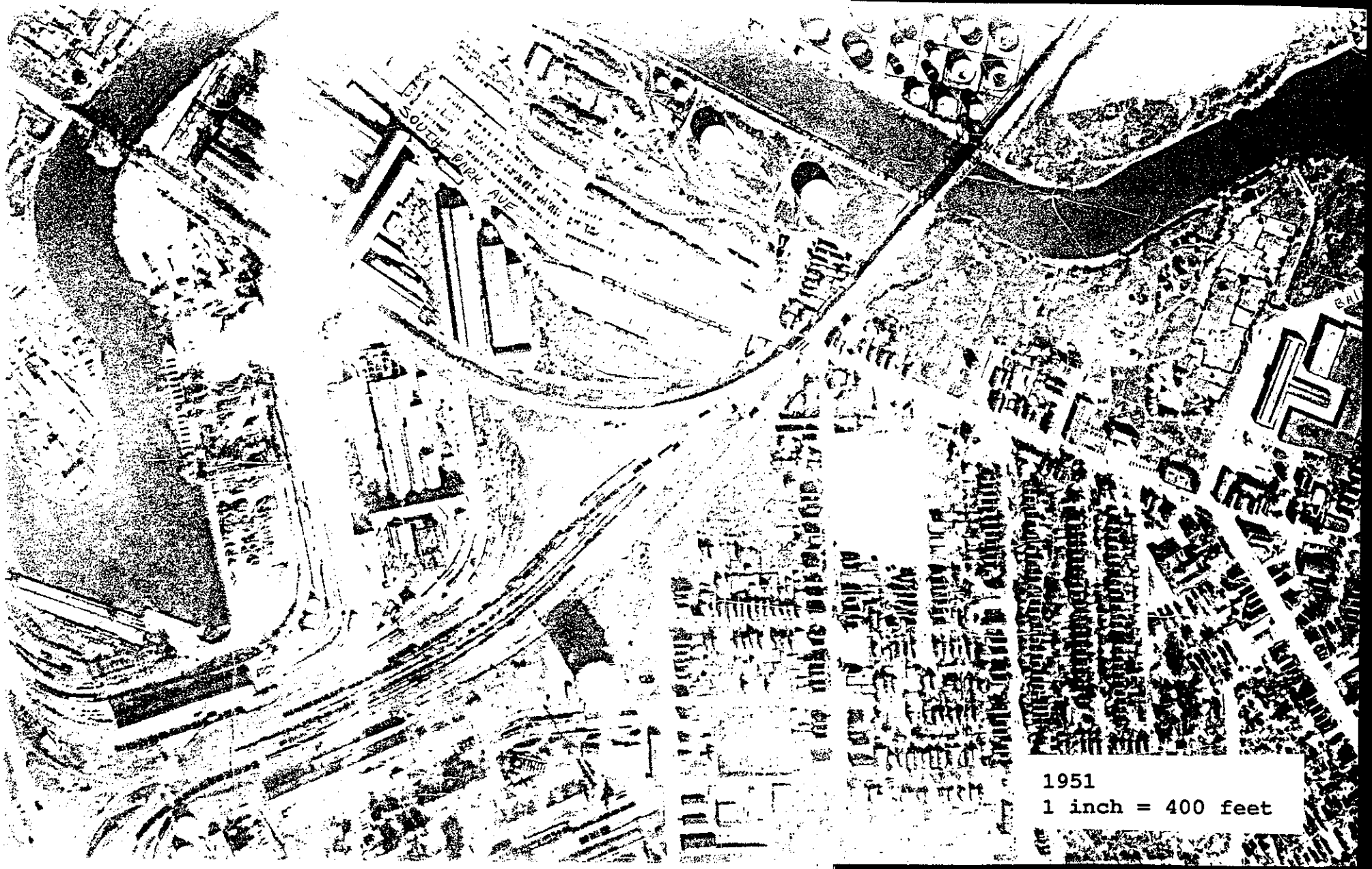

1972
1 inch = 200 feet

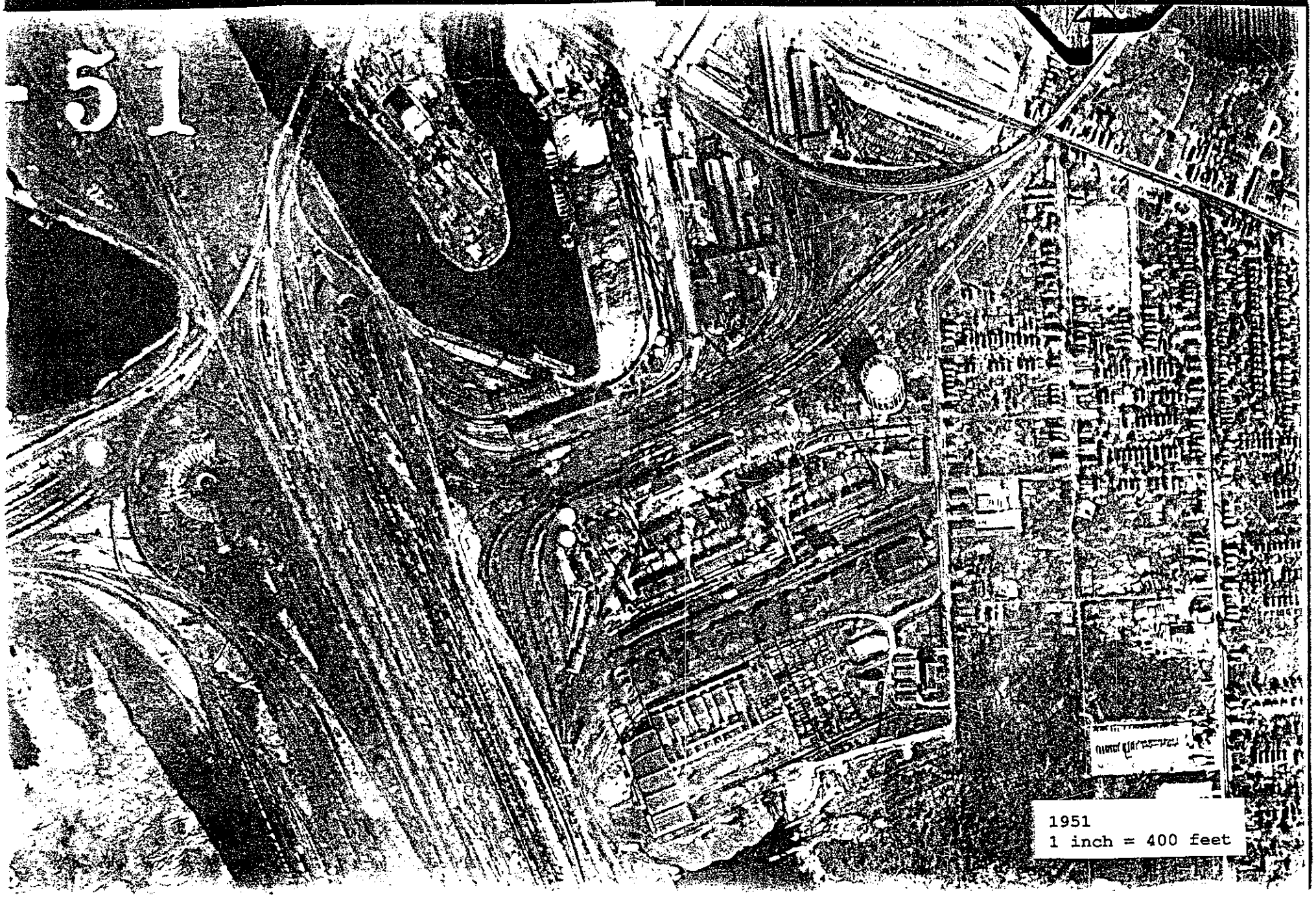


1960
1 inch = 200 feet

210


1960
1 inch = 200 feet


SOUTH PARK AVE
1951
1 inch = 400 feet


51
1951
1 inch = 400 feet

APPENDIX 3

ERIIS Data Search Record

PERTAINING TO:
NEW ABBY STREET
BUFFALO, NY 14220

REPORT NUMBER:
226624A

PREPARED ON:
02/23/1998

ON BEHALF OF:
Kayver Group Inc.
80 Linden Avenue
Buffalo, NY 14214

If you have any questions or comments regarding this report, please contact ERIIS Customer Service at 1-800-989-0403, locally at 703-834-0600, or fax us at 703-834-0606. Thank you for your order.

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ERIIS REPORT OVERVIEW

The following features are available for an ERIIS report:

* Database Report
    * Statistical Profile
    * Database Records
* Related Maps
    * Digital Custom Plotted Map
    * Sanborn Fire Insurance Map(s)
    * Topographical Map(s)

Statistical Profile

The statistical profile is an at-a-glance numeric summary of the databases searched for your ERIIS Report.

Database Records

The detailed federal and state database information indicates potential and actual environmental threats within the study radius. These records are sorted by their distance from the study site.

Digital Custom Map

The digital custom map is cross referenced with the database records. The cross-in-circle in the center of the map represents the study site. The red circles represent distances from the study site. The plottable sites in the report are distinguished on the map by symbols of different shape and color.

Historic Fire Insurance Maps

The ERIIS collection of historical Sanborn Fire Insurance Maps covers 14,000 cities and towns. These maps may indicate prior use of the study site. If no maps are available for the study site, a notice to that effect is included. This notice should serve as evidence of due diligence.

Topographical Map

USGS topographical maps show natural and man-made features as well as the shape and elevation of the terrain. The 7.5 minute quad maps are produced at a scale of 1:24,000, or one inch represents 2,000 feet.

If you have any questions about this report,
please contact ERIIS Customer Service at 1-800-989-0403

ERIIS RADIUS STATISTICAL PROFILE
State: NY

ERIIS Report #226624A

Feb 19, 1998

Site:
NEW ABBY STREET
BUFFALO, NY 14220

Latitude: 42.858268
Longitude: -78.835681

Database	Radius (Mi)	Target Area**	Property-1/4	1/4-1/2	1/2-1	>1	TOTAL
NPL	1		0	0	0		0
RCRIS_CA	1		0	0	3		3
RCRIS_TS	.5		0	0			0
CERCLIS	.5		0	0			0
NFRAP	.5		0	1			1
RCRIS_LG	.25		0				0
RCRIS_SG	.25		1				1
ERNS	.05		0				0
HWS	1		0	1	5		6
LRST	.5		0	1			1
SWF	.5		0	1			1
CBS	.25		0				0
MOSF	.25		0				0
PBS	.25		2				2
SPILLS	.25		1				1
NASPL	.25		3				3
			7	4	8	0	19

TOPO QUAD: Buffalo SE

Radon Zone Level: 1

Zone 1 has a predicted average indoor screening level > than 4 pCi/L

A Radon Zone should not be used to determine if individual homes need to be tested for radon.
The EPA's Office of Radiation and Indoor Air (202/233-9320) recommends that all homes be tested for radon, regardless of geographic location or the zone designation in which the property is located.

**A target area is defined as a .02 mile buffer around the site's latitude and longitude.

A blank radius count indicates that the database was not searched by this radius per client instructions.

NR in a radius count indicates that the database cannot be reported by this search criteria due to insufficient and/or inaccurate addresses reported by a federal/state agency.

NPL
Date of Data: 01/08/1998
Release Date: 01/27/1998
Date on System: 02/06/1998
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8881

National Priorities List

The NPL Report is an EPA listing of the nation's worst uncontrolled or abandoned hazardous waste sites. NPL sites are targeted for possible long-term remedial action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. In addition, the NPL Report includes information concerning cleanup agreements between EPA and Potentially Responsible Parties (commonly called Records of Decision, or RODS), any liens filed against contaminated properties, as well as the past and current EPA budget expenditures tracked within the Superfund Consolidated Accomplishments Plan (SCAP).

RCRIS_CA
Date of Data: 07/01/1997
Release Date: 10/24/1997
Date on System: 12/05/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
800/424-9346

Resource Conservation and Recovery Information System - TSD's Subject to Corrective Action

The RCRIS_CA Report contains information pertaining to hazardous waste treatment, storage , and disposal Facilities (RCRA TSD's) which have conducted, or are currently conducting, a corrective action(s) as regulated under the Resource Conservation and Recovery Act. The following information is included within the RCRIS_CA Report:
- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

RCRIS_TS
Date of Data: 07/01/1997
Release Date: 10/24/1997
Date on System: 12/05/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
800/424-9346

Resource Conservation and Recovery Information System - Non-Corrective Action TSD Facilities

The RCRIS_TS Report contains information pertaining to facilities which either treat, store, or dispose of EPA regulated hazardous waste. The following information is also included in the RCRIS_TS Report:

- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

CERCLIS
Date of Data: 01/08/1998
Release Date: 01/27/1998
Date on System: 01/30/1998
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8881

Comprehensive Environmental Response, Compensation, and Liability Information System

The CERCLIS Database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated, or are currently under investigation by the U.S. EPA for the release, or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation, and ultimately placed on the National Priorities List (NPL). In addition to site events and milestone dates, the CERCLIS Report also contains financial information from the Superfund Consolidated Accomplishments Plan (SCAP).

NFRAP
Date of Data: 01/08/1998
Release Date: 01/27/1998
Date on System: 02/13/1998
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8881

No Further Remedial Action Planned Sites

The No Further Remedial Action Planned Report (NFRAP), also known as the CERCLIS Archive, contains information pertaining to sites which have been removed from the U.S. EPA's CERCLIS Database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or the contamination was not serious enough to require federal Superfund action or NPL consideration.

RCRIS_LG
Date of Data: 07/01/1997
Release Date: 10/24/1997
Date on System: 12/05/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
800/424-9346

Resource Conservation and Recovery Information System - Large Quantity Generators

The RCRIS_LG Report contains information pertaining to facilities which either generate more than 1000kg of EPA regulated hazardous waste per month, or meet other applicable requirements of the Resource Conservation And Recovery Act. The following information is also included in the RCRIS_LG Report:
- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the

facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

RCRIS_SG
Date of Data: 07/01/1997
Release Date: 10/24/1997
Date on System: 12/05/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
800/424-9346

Resource Conservation and Recovery Information System - Small Quantity Generators

The RCRIS_SG Report contains information pertaining to facilities which either generate between 100kg and 1000kg of EPA regulated hazardous waste per month, or meet other applicable requirements of the Resource Conservation And Recovery Act. On advice of the U.S. EPA, ERIIS does not report so-called "RCRA Protective Filers." Protective Filers, commonly called Conditionally Exempt Small Quantity Generators (CESQG's), are facilities that have completed RCRA notification paperwork, but are not, in fact, subject to RCRA regulation. The determination of CESQG status is made by the U.S. EPA. The following information is also included in the RCRIS_SG Report:
- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

ERNS
Date of Data: 10/24/1997
Release Date: 11/05/1997
Date on System: 01/20/1998
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
202/260-2342

Emergency Response Notification System

ERNS is a national computer database system that is used to store information concerning the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. The ERNS Reporting System contains preliminary information on specific releases, including the spill location, the substance released, and the responsible party. Please note that the information in the ERNS Report pertains only to those releases that occured between January 1, 1997 and October 24, 1997.

HWS
Date of Data: 04/01/1997
Release Date: 10/24/1997
Date on System: 01/09/1998
NY Dept. of Environmental Conservation
Hazardous Waste Remediation Division
518/457-0747

New York Inactive Hazardous Waste Disposal Sites

The New York Inactive Hazardous Waste Disposal Sites List contains summary information pertaining to those facilities that are deemed potentially hazardous to the public health and welfare by the New York State Department of Environmental Conservation (NYSDEC).

LRST
Date of Data: 11/19/1997
Release Date: 12/01/1997
Date on System: 01/23/1998
NY Dept. of Environmental Conservation
Spill Prevention and Response Section
518/457-7363

New York Leaking Storage Tanks

The New York Leaking Storage Tank Report is a comprehensive listing of all leaking storage tank cases reported to The New York State Department of Environmental Conservation which have not yet been resolved. The information for the LST Report is extracted from the original spills list provided to ERIIS by the NYSDEC. Information pertaining to leaking storage tank cases which have been resolved can be provided upon request.

SWF
Date of Data: 06/30/1997
Release Date: 08/31/1997
Date on System: 09/12/1997
NY Dept. of Environmental Conservation
Bureau of Solid Waste
518/457-2051

New York Active Solid Waste Facility Register

The New York Solid Waste Facility Register is a comprehensive listing of all active and inactive permitted solid waste landfills and processing facilities within the State of New York.

CBS
Date of Data: 11/19/1997
Release Date: 12/01/1997
Date on System: 01/23/1998
NY Dept. of Environmental Conservation
Spill Prevention and Response Section
518/457-7363

New York Chemical Bulk Storage Tanks

The New York Chemical Bulk Storage Report contains information pertaining to active and inactive facilities that store regulated substances in aboveground storage tanks with capacities of 185 gallons or greater, and/or underground storage tanks of any size.

MOSF
Date of Data: 11/19/1997
Release Date: 12/01/1997
Date on System: 01/23/1998
NY Dept. of Environmental Conservation
Spill Prevention and Response Section
518/457-7363

New York Major Oil Storage Facilities

The Major Oil Storage Facilities Report contains summary information on active and inactive facilities with petroleum storage capacities in excess of four-hundred thousand gallons.

PBS
Date of Data: 11/19/1997
Release Date: 12/01/1997
Date on System: 01/23/1998
NY Dept. of Environmental Conservation
Spill Prevention and Response Section
518/457-7363

New York Petroleum Bulk Storage Tanks

The New York Petroleum Bulk Storage Report is a comprehensive listing of all reported active and inactive facilities that have petroleum storage capacities in excess of 1100 gallons, and less than four hundred thousand gallons. ERIIS has obtained the PBS information from the Delegated Counties in the State of New York. The dates of The information for the specific counties are as follows:

Cortland	03/24/97
Nassau	02/04/97
Rockland	03/25/97
Suffolk	02/21/97

SPILLS
Date of Data: 11/19/1997
Release Date: 12/01/1997
Date on System: 01/23/1998
NY Dept. of Environmental Conservation
Spill Prevention and Response Section
518/457-0722

New York Spills Report

The New York Spills Report is a comprehensive listing of all hazardous materials spills reported to The New York State Department of Environmental Conservation which have not yet been resolved. Information pertaining to spills which have been resolved can be provided upon request.

NASPL
Date of Data: 11/19/1997
Release Date: 12/01/1997
Date on System: 01/23/1998
NY Dept. of Environmental Conservation
Spill Prevention and Response Section
518/457-7363

New York Resolved Spill Cases

The New York Resolved Spill Cases Report is a comprehensive listing of all hazardous materials spills which have been remediated.

ERIIS SUMMARY OF PLOTTABLE SITES

ERIIS Report #226624A

Feb 19, 1998

ERIIS ID.	FACILITY/ADDRESS	DATABASE	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
	0 - 1/4 Miles				
36048018989	ZILON SALES LTD 1365 S PARK AVE BUFFALO, NY 14220-1035 COUNTY: ERIE	PBS	0.064 Mi	NORTHEAST	8989
36081083044	LEBIS CONTRACTING 1400 S PARK AVE BUFFALO, NY 14220-1038 COUNTY: ERIE	NASPL	0.138 Mi	SOUTHEAST	3044
36048019895	SUNOCO 1409 S PARK AVE BUFFALO, NY 14220-1037 COUNTY: ERIE	PBS	0.144 Mi	SOUTHEAST	9895
36081101888	WHITE STUFF ON ABBY ST ABBY ST AT OCONNOR AVE BUFFALO, NY 14220 COUNTY: ERIE	NASPL	0.159 Mi	SOUTHWEST	1888
36021016089	TOPS 1438 SP 1438 S PARK AVE BUFFALO, NY 14220-1041 COUNTY: ERIE	SPILLS	0.203 Mi	SOUTHEAST	6089
36008011402	TOPS MARKETS INC 1438 S PARK AVE BUFFALO, NY 14220-1041 COUNTY: ERIE	RCRIS_SG	0.203 Mi	SOUTHEAST	1402
36081083534	DONNER HANNA-TRANSFORMERS ABBY ST AT BARAGA ST BUFFALO, NY 14220 COUNTY: ERIE	NASPL	0.217 Mi	SOUTHWEST	3534
	1/4 - 1/2 Miles				
36018001982	MARILLA STREET SLF (LTV) 1175 S PARK AVE BUFFALO, NY 14220-1033 COUNTY: ERIE	SWF	0.264 Mi	NORTHWEST	1982
36053000741	DONNER HANNA COKE ABBY ST AT MYSTIC ST BUFFALO, NY 14220 COUNTY: ERIE	HWS	0.270 Mi	SOUTHWEST	741
36039000502	DONNER-HANNA COKE ABBY ST AT MYSTIC ST BUFFALO, NY 14220 COUNTY: ERIE	NFRAP	0.270 Mi	SOUTHWEST	502
36059004601	WIL-PAR PACKING COMPANY 82 ABBOTT RD BUFFALO, NY 14220-1044 COUNTY: ERIE	LRST	0.489 Mi	SOUTHEAST	4601
	1/2 - 1 Miles				
36071000078	MOBIL OIL CORP BUFFALO REFINERY 635 ELK ST BUFFALO, NY 14210-2236 COUNTY: ERIE	RCRIS_CA	0.538 Mi	NORTHEAST	78
36053000749	MOBIL OIL CORPORATION 635 ELK ST BUFFALO, NY 14210-2236 COUNTY: ERIE	HWS	0.538 Mi	NORTHEAST	749
36071000205	BUFFALO COLOR 340 ELK ST BUFFALO, NY 14210-2104 COUNTY: ERIE	RCRIS_CA	0.679 Mi	NORTHWEST	205
36053000738	BUFFALO COLOR AREA "D" 340 ELK ST BUFFALO, NY 14210-2104 COUNTY: ERIE	HWS	0.679 Mi	NORTHWEST	738
36071000008	ALLIED SIGNAL INC - BUFFALO RESEARCH LAB 20 PEABODY ST BUFFALO, NY 14210-1523 COUNTY: ERIE	RCRIS_CA	0.689 Mi	NORTHWEST	8
36053000774	TIFFT AND HOPKINS PROVIDENCE STREET (PAPER STREET) BUFFALO, NY COUNTY: ERIE	HWS	0.746 Mi	SOUTHEAST	774
36053000758	ALLTIFT LANDFILL TIFFT STREET BUFFALO, NY 14202 COUNTY: ERIE	HWS	0.899 Mi	SOUTHWEST	758
36053000790	BEHRINGER PROPERTY (IMSON STREET) 181 IMSON ST BUFFALO, NY 14210-1617 COUNTY: ERIE	HWS	0.934 Mi	NORTHEAST	790

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
36071000078 NYD002107019	MOBIL OIL CORP BUFFALO REFINERY COUNTY: ERIE	635 ELK ST BUFFALO, NY 14210-2236	FACILITY NOT REPORTED IN RAATS	0.538 MILES	NORTHEAST	78

CORRECTIVE ACTIONS

	ACTION ISSUE DATE:	TYPE OF ACTION:
1.	08/15/93	VOLUNTARY CA
2.	Z	NOT REPORTED

	ACTION EFFECTIVE	STATUTE VIOLATED:
1.	09/15/93	RCRA 3004(v) OR EQUIVALENT
2.	01/15/81	RCRA 3008(h) OR EQUIVALENT

	EVENT ACTUAL DATE:	SITE EVENT:
1.	07/06/96	STABILIZATION MEASURES EVALUATION--Not AMENABLE - OTHER
2.	01/10/94	RFA COMPLETED
3.	01/19/94	CA PRIORITIZATION--FACILITY ASSIGNED A MEDIUM CORRECTIVE ACTION PRIORITY

HAZARDOUS WASTES

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
1.	D000	.00000	NOTIFICATION
2.	D001	.00000	NOTIFICATION
3.	D002	.00000	NOTIFICATION
4.	D003	.00000	NOTIFICATION
5.	K048	.00000	NOTIFICATION
6.	K049	.00000	NOTIFICATION
7.	K050	.00000	NOTIFICATION
8.	K051	.00000	NOTIFICATION
9.	K052	.00000	NOTIFICATION
10.	U002	.00000	NOTIFICATION
11.	U031	.00000	NOTIFICATION
12.	U044	.00000	NOTIFICATION
13.	U144	.00000	NOTIFICATION
14.	U161	.00000	NOTIFICATION
15.	U188	.00000	NOTIFICATION
16.	U220	.00000	NOTIFICATION
17.	U239	.00000	NOTIFICATION
18.	D002	599.47100 POUNDS	PART A
19.	K048	1088.64000 METRIC TONS	PART A
20.	K049	1998.23800 POUNDS	PART A
21.	K050	2.72100 METRIC TONS	PART A

ERIIS ID / EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE / RAATS ACTION/STATUS / RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
22.	K051	117.93600 METRIC TONS	PART A
23.	K052	2.72100 METRIC TONS	PART A
24.	U002	1.81400 METRIC TONS	PART A
25.	U031	99.91200 POUNDS	PART A
26.	U044	59.93400 POUNDS	PART A
27.	U144	29.95600 POUNDS	PART A
28.	U161	39.95600 POUNDS	PART A
29.	U188	19.97800 POUNDS	PART A
30.	U220	329.69200 POUNDS	PART A
31.	U239	29.95600 POUNDS	PART A

36071000205 NYD080335052	BUFFALO COLOR COUNTY: ERIE	340 ELK ST BUFFALO, NY 14210-2104	06/27/86 ACTION CODE: 3008(A) STATUS: CONSENT AGREEMENT/FINAL ORDER PROPOSED : $ 0.00 FINAL: $3000.00	0.679 MILES	NORTHWEST	205

FACILITY VIOLATIONS

	DATE DETERMINED:	DATE RESOLVED:	AREA OF VIOLATION:
1.	09/01/85	03/12/91	TSD-GROUNDWATER MONITORING REQUIREMENTS
2.	01/31/95	06/26/95	TSD-OTHER REQUIREMENTS
3.	11/17/83	03/15/85	TSD-GROUNDWATER MONITORING REQUIREMENTS
4.	03/12/91	03/12/91	TSD-GROUNDWATER MONITORING REQUIREMENTS
5.	01/16/85	07/28/86	TSD-OTHER REQUIREMENTS
6.	09/08/83	03/12/91	TSD-OTHER REQUIREMENTS
7.	09/08/83	03/12/91	TSD-GROUNDWATER MONITORING REQUIREMENTS

FACILITY EVALUATIONS

	EVALUATION DATE:	EVALUATION AGENCY:	TYPE OF EVALUATION:	AREA(S) OF EVALUATION:
1.	09/08/83	EPA CONTRACTOR	COMPLIANCE EVALUATION INSPECTION	TSD-GROUNDWATER MONITORING REQUIREMENTS TSD-OTHER REQUIREMENTS
2.	11/17/83	STATE	COMPLIANCE EVALUATION INSPECTION	TSD-CORRECTIVE ACTION COMPLIANCE SCHEDULE TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS TSD-GROUNDWATER MONITORING REQUIREMENTS TSD-OTHER REQUIREMENTS FORMAL ENFORCEMENT AGREEMENT
3.	01/16/85	EPA PERSONNEL	OTHER EVALUATION	TSD-OTHER REQUIREMENTS
4.	09/01/85	OVERSITE-BY-EPA	COMPLIANCE (GROUNDWATER) MONITORING EVALUATION	TSD-GROUNDWATER MONITORING REQUIREMENTS
5.	03/12/91	EPA PERSONNEL	OTHER EVALUATION	TSD-GROUNDWATER MONITORING REQUIREMENTS
6.	11/21/94	STATE	COMPLIANCE EVALUATION INSPECTION	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS TSD-LAND BAN REQUIREMENTS TSD-OTHER REQUIREMENTS
7.	06/21/95	STATE	COMPLIANCE EVALUATION INSPECTION	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

EVALUATION DATE:	EVALUATION AGENCY:	TYPE OF EVALUATION:	AREA(S) OF EVALUATION:
			TSD-LAND BAN REQUIREMENTS TSD-OTHER REQUIREMENTS

FACILITY ENFORCEMENTS

	ENFORCEMENT DATE:	ENFORCEMENT AGENCY:	TYPE OF ACTION:	PENALTY(S):
1.	03/07/1984	EPA	3008(a) COMPLIANCE ORDER, INITAL FORMAL ADMINISTRATIVE ACTION	$16,000 PROPOSED MONETARY PENALTY
2.	09/30/1985	EPA	3008(a) COMPLIANCE ORDER, FINAL FORMAL ADMINISTRATIVE ACTION	$6,000 FINAL MONETARY PENALTY
3.	09/30/1985	EPA	3008(a) COMPLIANCE ORDER, INITAL FORMAL ADMINISTRATIVE ACTION	$0 FINAL MONETARY PENALTY
4.	09/30/1985	EPA	3008(a) COMPLIANCE ORDER, INITAL FORMAL ADMINISTRATIVE ACTION	$6,000 PROPOSED MONETARY PENALTY
5.	06/27/1986	EPA	3008(a) COMPLIANCE ORDER, INITAL FORMAL ADMINISTRATIVE ACTION	$6,500 PROPOSED MONETARY PENALTY
6.	02/07/1989	EPA	3008(a) COMPLIANCE ORDER, FINAL FORMAL ADMINISTRATIVE ACTION	$3,000 FINAL MONETARY PENALTY
7.	03/12/1991	EPA	3008(a) COMPLIANCE ORDER, FINAL FORMAL ADMINISTRATIVE ACTION	
8.	01/31/1995	STATE	3008(a) COMPLIANCE ORDER, INITAL FORMAL ADMINISTRATIVE ACTION	$4,500 PROPOSED MONETARY PENALTY
9.	04/28/1995	STATE	3008(a) COMPLIANCE ORDER, FINAL FORMAL ADMINISTRATIVE ACTION	$2,700 FINAL MONETARY PENALTY

CORRECTIVE ACTIONS

	ACTION ISSUE DATE:	TYPE OF ACTION:
1.	05/20/92	POST-CLOSURE PERMIT
2.	02/10/95	POST-CLOSURE PERMIT
3.	Z	NOT REPORTED

	ACTION EFFECTIVE	STATUTE VIOLATED:
1.	02/10/95	RCRA 3004(u) OR EQUIVALENT
2.	11/11/80	RCRA 3004(u) OR EQUIVALENT

	EVENT ACTUAL DATE:	SITE EVENT:
1.	08/22/96	CA PRIORITIZATION--FACILITY ASSIGNED A LOW CORRECTIVE ACTION PRIORITY
2.	04/04/86	RFA COMPLETED
3.	05/20/92	DETERMINATION OF NEED FOR AN RFI--RFI IS NECESSARY
4.	03/27/92	CA PRIORITIZATION--FACILITY ASSIGNED A HIGH CORRECTIVE ACTION PRIORITY
5.	06/28/93	RFI IMPOSITION
6.	09/15/95	RFI WORKPLAN APPROVED
7.	09/15/95	RFI WORKPLAN APPROVED
8.	03/16/92	STABILIZATION MEASURES EVALUATION--AMENABLE TO STABILIZATION ACTIVITY

HAZARDOUS WASTES

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
1.	D000	.00000	NOTIFICATION

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
2.	D001	.00000	NOTIFICATION
3.	D002	.00000	NOTIFICATION
4.	D003	.00000	NOTIFICATION
5.	D007	.00000	NOTIFICATION
6.	F001	.00000	NOTIFICATION
7.	P021	.00000	NOTIFICATION
8.	P030	.00000	NOTIFICATION
9.	P098	.00000	NOTIFICATION
10.	P106	.00000	NOTIFICATION
11.	P119	.00000	NOTIFICATION
12.	U012	.00000	NOTIFICATION
13.	U021	.00000	NOTIFICATION
14.	U037	.00000	NOTIFICATION
15.	U044	.00000	NOTIFICATION
16.	U070	.00000	NOTIFICATION
17.	U088	.00000	NOTIFICATION
18.	U122	.00000	NOTIFICATION
19.	U147	.00000	NOTIFICATION
20.	U154	.00000	NOTIFICATION
21.	U169	.00000	NOTIFICATION
22.	U188	.00000	NOTIFICATION
23.	U220	.00000	NOTIFICATION
24.	U223	.00000	NOTIFICATION
25.	D000	126.10000 METRIC TONS	PART A
26.	D001	180.98600 METRIC TONS	PART A
27.	D002	842.56100 METRIC TONS	PART A
28.	D003	354.07200 METRIC TONS	PART A
29.	D007	88.90500 METRIC TONS	PART A
30.	F001	1.27000 METRIC TONS	PART A
31.	P021	499.55900 POUNDS	PART A
32.	P030	499.55900 POUNDS	PART A
33.	P098	499.55900 POUNDS	PART A
34.	P106	499.55900 POUNDS	PART A
35.	P119	499.55900 POUNDS	PART A
36.	U012	2.17700 METRIC TONS	PART A
37.	U021	799.29500 POUNDS	PART A
38.	U037	13.15400 METRIC TONS	PART A
39.	U044	1.08800 METRIC TONS	PART A
40.	U070	18.59700 METRIC TONS	PART A
41.	U088	499.55900 POUNDS	PART A
42.	U122	499.55900 POUNDS	PART A
43.	U147	499.55900 POUNDS	PART A
44.	U154	499.55900 POUNDS	PART A

ERIIS ID / EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE / RAATS ACTION/STATUS / RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
45.	U169	8.16400 METRIC TONS	PART A
46.	U188	499.55900 POUNDS	PART A
47.	U220	1998.23800 POUNDS	PART A
48.	U223	1598.59000 POUNDS	PART A

36071000008 NYD000632315	ALLIED SIGNAL INC - BUFFALO RESEARCH LAB COUNTY: ERIE	20 PEABODY ST BUFFALO, NY 14210-1523	FACILITY NOT REPORTED IN RAATS	0.689 MILES	NORTHWEST	8

FACILITY VIOLATIONS

	DATE DETERMINED:	DATE RESOLVED:	AREA OF VIOLATION:
1.	04/17/96	02/12/97	TSD-LAND BAN REQUIREMENTS
2.	04/21/94	03/14/96	TSD-OTHER REQUIREMENTS

FACILITY EVALUATIONS

	EVALUATION DATE:	EVALUATION AGENCY:	TYPE OF EVALUATION:	AREA(S) OF EVALUATION:
1.	11/19/93	STATE	COMPLIANCE EVALUATION INSPECTION	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS TSD-LAND BAN REQUIREMENTS TSD-OTHER REQUIREMENTS

FACILITY ENFORCEMENTS

	ENFORCEMENT DATE:	ENFORCEMENT AGENCY:	TYPE OF ACTION:	PENALTY(S):
1.	11/09/1994	STATE	3008(a) COMPLIANCE ORDER, INITAL FORMAL ADMINISTRATIVE ACTION	$24,750 PROPOSED MONETARY PENALTY
2.	01/17/1996	STATE	3008(a) COMPLIANCE ORDER, FINAL FORMAL ADMINISTRATIVE ACTION	$12,000 FINAL MONETARY PENALTY
3.	04/17/1996	STATE	3008(a) COMPLIANCE ORDER, INITAL FORMAL ADMINISTRATIVE ACTION	$2,999 PROPOSED MONETARY PENALTY

CORRECTIVE ACTIONS

	ACTION ISSUE DATE:	TYPE OF ACTION:
1.	06/01/92	OPERATING PERMIT
2.	10/19/92	OPERATING PERMIT

	ACTION EFFECTIVE	STATUTE VIOLATED:
1.	07/06/92	RCRA 3004(u) OR EQUIVALENT
2.	07/06/92	RCRA 3013 OR EQUIVALENT
3.	10/19/92	RCRA 3004(u) OR EQUIVALENT

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	EVENT ACTUAL DATE:	SITE EVENT:
1.	07/31/95	STABILIZATION MEASURES EVALUATION--Not AMENABLE - OTHER
2.	08/09/91	RFA COMPLETED
3.	12/07/93	RFA COMPLETED
4.	11/14/90	NOTICE OF CONTAMINATION
5.	12/07/93	DETERMINATION OF NEED FOR AN RFI--RFI IS NECESSARY
6.	07/08/91	CA PRIORITIZATION--FACILITY ASSIGNED A LOW CORRECTIVE ACTION PRIORITY
7.	06/01/92	RFI IMPOSITION
8.	08/05/94	RFI WORKPLAN APPROVED

HAZARDOUS WASTES

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
1.	D000	.00000	NOTIFICATION
2.	D001	.00000	NOTIFICATION
3.	D002	.00000	NOTIFICATION
4.	D003	.00000	NOTIFICATION
5.	D004	.00000	NOTIFICATION
6.	F002	.00000	NOTIFICATION
7.	F003	.00000	NOTIFICATION
8.	F005	.00000	NOTIFICATION
9.	F001	24000.00000 POUNDS	PART A
10.	F002	20000.00000 POUNDS	PART A
11.	F003	8000.00000 POUNDS	PART A
12.	F004	1000.00000 POUNDS	PART A
13.	F005	8000.00000 POUNDS	PART A
14.	F007	1000.00000 POUNDS	PART A
15.	F008	1000.00000 POUNDS	PART A
16.	F009	1000.00000 POUNDS	PART A
17.	D001	20000.00000 POUNDS	PART A
18.	D002	8000.00000 POUNDS	PART A
19.	D003	300.00000 POUNDS	PART A
20.	D004	50.00000 POUNDS	PART A
21.	D005	1000.00000 POUNDS	PART A
22.	D006	1000.00000 POUNDS	PART A
23.	D007	1000.00000 POUNDS	PART A
24.	D008	1000.00000 POUNDS	PART A
25.	D009	1000.00000 POUNDS	PART A
26.	D010	1000.00000 POUNDS	PART A
27.	D011	1000.00000 POUNDS	PART A
28.	D012	100.00000 POUNDS	PART A
29.	D013	100.00000 POUNDS	PART A
30.	D014	100.00000 POUNDS	PART A
31.	D015	100.00000 POUNDS	PART A
32.	D016	1000.00000 POUNDS	PART A
33.	D017	100.00000 POUNDS	PART A
34.	D018	1000.00000 POUNDS	PART A
35.	D019	100.00000 POUNDS	PART A
36.	D020	100.00000 POUNDS	PART A
37.	D021	100.00000 POUNDS	PART A

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
38.	D022	2000.00000 POUNDS	PART A
39.	D023	100.00000 POUNDS	PART A
40.	D024	100.00000 POUNDS	PART A
41.	D025	1000.00000 POUNDS	PART A
42.	D026	100.00000 POUNDS	PART A
43.	D027	100.00000 POUNDS	PART A
44.	D028	2000.00000 POUNDS	PART A
45.	D029	1000.00000 POUNDS	PART A
46.	D030	100.00000 POUNDS	PART A
47.	D031	100.00000 POUNDS	PART A
48.	D032	100.00000 POUNDS	PART A
49.	D033	100.00000 POUNDS	PART A
50.	D034	2000.00000 POUNDS	PART A
51.	D035	100.00000 POUNDS	PART A
52.	D036	100.00000 POUNDS	PART A
53.	D037	100.00000 POUNDS	PART A
54.	D038	2000.00000 POUNDS	PART A
55.	D039	2000.00000 POUNDS	PART A
56.	D040	2000.00000 POUNDS	PART A
57.	D041	100.00000 POUNDS	PART A
58.	D042	100.00000 POUNDS	PART A
59.	D043	100.00000 POUNDS	PART A
60.	P023	100.00000 KILOGRAMS	PART A
61.	P002	100.00000 KILOGRAMS	PART A
62.	P057	100.00000 KILOGRAMS	PART A
63.	P058	100.00000 KILOGRAMS	PART A
64.	P068	100.00000 KILOGRAMS	PART A
65.	P001	100.00000 KILOGRAMS	PART A
66.	P002	100.00000 KILOGRAMS	PART A
67.	P003	100.00000 KILOGRAMS	PART A
68.	P070	100.00000 KILOGRAMS	PART A
69.	P004	100.00000 KILOGRAMS	PART A
70.	P005	100.00000 KILOGRAMS	PART A
71.	P006	100.00000 KILOGRAMS	PART A
72.	P007	100.00000 KILOGRAMS	PART A
73.	P008	100.00000 KILOGRAMS	PART A
74.	P009	100.00000 KILOGRAMS	PART A
75.	P119	100.00000 KILOGRAMS	PART A
76.	P010	100.00000 KILOGRAMS	PART A
77.	P012	100.00000 KILOGRAMS	PART A
78.	P011	100.00000 KILOGRAMS	PART A
79.	P038	100.00000 KILOGRAMS	PART A
80.	P054	100.00000 KILOGRAMS	PART A
81.	P013	100.00000 KILOGRAMS	PART A
82.	P024	100.00000 KILOGRAMS	PART A
83.	P077	100.00000 KILOGRAMS	PART A
84.	P028	100.00000 KILOGRAMS	PART A
85.	P042	100.00000 KILOGRAMS	PART A
86.	P014	100.00000 KILOGRAMS	PART A
87.	P028	100.00000 KILOGRAMS	PART A

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
88.	P015	100.00000 KILOGRAMS	PART A
89.	P017	100.00000 KILOGRAMS	PART A
90.	P018	100.00000 KILOGRAMS	PART A
91.	P021	100.00000 KILOGRAMS	PART A
92.	P123	100.00000 KILOGRAMS	PART A
93.	P103	100.00000 KILOGRAMS	PART A
94.	P022	100.00000 KILOGRAMS	PART A
95.	P095	100.00000 KILOGRAMS	PART A
96.	P033	100.00000 KILOGRAMS	PART A
97.	P026	100.00000 KILOGRAMS	PART A
98.	P027	100.00000 KILOGRAMS	PART A
99.	P029	100.00000 KILOGRAMS	PART A
100.	P030	100.00000 KILOGRAMS	PART A
101.	P031	100.00000 KILOGRAMS	PART A
102.	P036	100.00000 KILOGRAMS	PART A
103.	P037	100.00000 KILOGRAMS	PART A
104.	P039	100.00000 KILOGRAMS	PART A
105.	P041	100.00000 KILOGRAMS	PART A
106.	P040	100.00000 KILOGRAMS	PART A
107.	P043	100.00000 KILOGRAMS	PART A
108.	P044	100.00000 KILOGRAMS	PART A
109.	P045	100.00000 KILOGRAMS	PART A
110.	P071	100.00000 KILOGRAMS	PART A
111.	P082	100.00000 KILOGRAMS	PART A
112.	P046	100.00000 KILOGRAMS	PART A
113.	P047	100.00000 KILOGRAMS	PART A
114.	P034	100.00000 KILOGRAMS	PART A
115.	P048	100.00000 KILOGRAMS	PART A
116.	P020	100.00000 KILOGRAMS	PART A
117.	P085	100.00000 KILOGRAMS	PART A
118.	P049	100.00000 KILOGRAMS	PART A
119.	P109	100.00000 KILOGRAMS	PART A
120.	P050	100.00000 KILOGRAMS	PART A
121.	P088	100.00000 KILOGRAMS	PART A
122.	P051	100.00000 KILOGRAMS	PART A
123.	P042	100.00000 KILOGRAMS	PART A
124.	P084	100.00000 KILOGRAMS	PART A
125.	P101	100.00000 KILOGRAMS	PART A
126.	P097	100.00000 KILOGRAMS	PART A
127.	P056	100.00000 KILOGRAMS	PART A
128.	P065	100.00000 KILOGRAMS	PART A
129.	P059	100.00000 KILOGRAMS	PART A
130.	P060	100.00000 KILOGRAMS	PART A
131.	P062	100.00000 KILOGRAMS	PART A
132.	P116	100.00000 KILOGRAMS	PART A
133.	P063	100.00000 KILOGRAMS	PART A
134.	P096	100.00000 KILOGRAMS	PART A
135.	P064	100.00000 KILOGRAMS	PART A
136.	P092	100.00000 KILOGRAMS	PART A
137.	P112	100.00000 KILOGRAMS	PART A

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
138.	P118	100.00000 KILOGRAMS	PART A
139.	P066	100.00000 KILOGRAMS	PART A
140.	P067	100.00000 KILOGRAMS	PART A
141.	P069	100.00000 KILOGRAMS	PART A
142.	P072	100.00000 KILOGRAMS	PART A
143.	P073	100.00000 KILOGRAMS	PART A
144.	P074	100.00000 KILOGRAMS	PART A
145.	P073	100.00000 KILOGRAMS	PART A
146.	P075	100.00000 KILOGRAMS	PART A
147.	P076	100.00000 KILOGRAMS	PART A
148.	P077	100.00000 KILOGRAMS	PART A
149.	P078	100.00000 KILOGRAMS	PART A
150.	P081	100.00000 KILOGRAMS	PART A
151.	P087	100.00000 KILOGRAMS	PART A
152.	P089	100.00000 KILOGRAMS	PART A
153.	P093	100.00000 KILOGRAMS	PART A
154.	P110	100.00000 KILOGRAMS	PART A
155.	P098	100.00000 KILOGRAMS	PART A
156.	P099	100.00000 KILOGRAMS	PART A
157.	P102	100.00000 KILOGRAMS	PART A
158.	P111	100.00000 KILOGRAMS	PART A
159.	P104	100.00000 KILOGRAMS	PART A
160.	P105	100.00000 KILOGRAMS	PART A
161.	P106	100.00000 KILOGRAMS	PART A
162.	P107	100.00000 KILOGRAMS	PART A
163.	P108	100.00000 KILOGRAMS	PART A
164.	P115	100.00000 KILOGRAMS	PART A
165.	P109	100.00000 KILOGRAMS	PART A
166.	P113	100.00000 KILOGRAMS	PART A
167.	P114	100.00000 KILOGRAMS	PART A
168.	P115	100.00000 KILOGRAMS	PART A
169.	P120	100.00000 KILOGRAMS	PART A
170.	P121	100.00000 KILOGRAMS	PART A
171.	P122	100.00000 KILOGRAMS	PART A
172.	U001	100.00000 KILOGRAMS	PART A
173.	U034	100.00000 KILOGRAMS	PART A
174.	U187	100.00000 KILOGRAMS	PART A
175.	U005	100.00000 KILOGRAMS	PART A
176.	U112	100.00000 KILOGRAMS	PART A
177.	U144	100.00000 KILOGRAMS	PART A
178.	U144	100.00000 KILOGRAMS	PART A
179.	U214	100.00000 KILOGRAMS	PART A
180.	U002	100.00000 KILOGRAMS	PART A
181.	U003	100.00000 KILOGRAMS	PART A
182.	U004	100.00000 KILOGRAMS	PART A
183.	U005	100.00000 KILOGRAMS	PART A
184.	U006	100.00000 KILOGRAMS	PART A
185.	U007	100.00000 KILOGRAMS	PART A
186.	U008	100.00000 KILOGRAMS	PART A
187.	U009	100.00000 KILOGRAMS	PART A

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
188.	U150	100.00000 KILOGRAMS	PART A
189.	U011	100.00000 KILOGRAMS	PART A
190.	U012	100.00000 KILOGRAMS	PART A
191.	U014	100.00000 KILOGRAMS	PART A
192.	U015	100.00000 KILOGRAMS	PART A
193.	U010	100.00000 KILOGRAMS	PART A
194.	U157	100.00000 KILOGRAMS	PART A
195.	U016	100.00000 KILOGRAMS	PART A
196.	U017	100.00000 KILOGRAMS	PART A
197.	U018	100.00000 KILOGRAMS	PART A
198.	U094	100.00000 KILOGRAMS	PART A
199.	U049	100.00000 KILOGRAMS	PART A
200.	U093	100.00000 KILOGRAMS	PART A
201.	U158	100.00000 KILOGRAMS	PART A
202.	U222	100.00000 KILOGRAMS	PART A
203.	U181	100.00000 KILOGRAMS	PART A
204.	U019	100.00000 KILOGRAMS	PART A
205.	U038	100.00000 KILOGRAMS	PART A
206.	U030	100.00000 KILOGRAMS	PART A
207.	U037	100.00000 KILOGRAMS	PART A
208.	U190	100.00000 KILOGRAMS	PART A
209.	U028	100.00000 KILOGRAMS	PART A
210.	U069	100.00000 KILOGRAMS	PART A
211.	U088	100.00000 KILOGRAMS	PART A
212.	U102	100.00000 KILOGRAMS	PART A
213.	U107	100.00000 KILOGRAMS	PART A
214.	U070	100.00000 KILOGRAMS	PART A
215.	U071	100.00000 KILOGRAMS	PART A
216.	U072	100.00000 KILOGRAMS	PART A
217.	U223	100.00000 KILOGRAMS	PART A
218.	U239	100.00000 KILOGRAMS	PART A
219.	U201	100.00000 KILOGRAMS	PART A
220.	U127	100.00000 KILOGRAMS	PART A
221.	U056	100.00000 KILOGRAMS	PART A
222.	U188	100.00000 KILOGRAMS	PART A
223.	U220	100.00000 KILOGRAMS	PART A
224.	U105	100.00000 KILOGRAMS	PART A
225.	U106	100.00000 KILOGRAMS	PART A
226.	U203	100.00000 KILOGRAMS	PART A
227.	U141	100.00000 KILOGRAMS	PART A
228.	U090	100.00000 KILOGRAMS	PART A
229.	U055	100.00000 KILOGRAMS	PART A
230.	U169	100.00000 KILOGRAMS	PART A
231.	U183	100.00000 KILOGRAMS	PART A
232.	U185	100.00000 KILOGRAMS	PART A
233.	U020	100.00000 KILOGRAMS	PART A
234.	U207	100.00000 KILOGRAMS	PART A
235.	U023	100.00000 KILOGRAMS	PART A
236.	U234	100.00000 KILOGRAMS	PART A
237.	U021	100.00000 KILOGRAMS	PART A

ERIIS ID / EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE / RAATS ACTION/STATUS / RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
238.	U202	100.00000 KILOGRAMS	PART A
239.	U120	100.00000 KILOGRAMS	PART A
240.	U022	100.00000 KILOGRAMS	PART A
241.	U197	100.00000 KILOGRAMS	PART A
242.	U050	100.00000 KILOGRAMS	PART A
243.	U085	100.00000 KILOGRAMS	PART A
244.	U073	100.00000 KILOGRAMS	PART A
245.	U091	100.00000 KILOGRAMS	PART A
246.	U095	100.00000 KILOGRAMS	PART A
247.	U024	100.00000 KILOGRAMS	PART A
248.	U027	100.00000 KILOGRAMS	PART A
249.	U244	100.00000 KILOGRAMS	PART A
250.	U246	100.00000 KILOGRAMS	PART A
251.	U225	100.00000 KILOGRAMS	PART A
252.	U128	100.00000 KILOGRAMS	PART A
253.	U172	100.00000 KILOGRAMS	PART A
254.	U035	100.00000 KILOGRAMS	PART A
255.	U031	100.00000 KILOGRAMS	PART A
256.	U159	100.00000 KILOGRAMS	PART A
257.	U160	100.00000 KILOGRAMS	PART A
258.	U053	100.00000 KILOGRAMS	PART A
259.	U074	100.00000 KILOGRAMS	PART A
260.	U136	100.00000 KILOGRAMS	PART A
261.	U032	100.00000 KILOGRAMS	PART A
262.	U238	100.00000 KILOGRAMS	PART A
263.	U178	100.00000 KILOGRAMS	PART A
264.	U176	100.00000 KILOGRAMS	PART A
265.	U177	100.00000 KILOGRAMS	PART A
266.	U219	100.00000 KILOGRAMS	PART A
267.	U097	100.00000 KILOGRAMS	PART A
268.	U215	100.00000 KILOGRAMS	PART A
269.	U156	100.00000 KILOGRAMS	PART A
270.	U033	100.00000 KILOGRAMS	PART A
271.	U211	100.00000 KILOGRAMS	PART A
272.	U036	100.00000 KILOGRAMS	PART A
273.	U026	100.00000 KILOGRAMS	PART A
274.	U039	100.00000 KILOGRAMS	PART A
275.	U041	100.00000 KILOGRAMS	PART A
276.	U042	100.00000 KILOGRAMS	PART A
277.	U044	100.00000 KILOGRAMS	PART A
278.	U046	100.00000 KILOGRAMS	PART A
279.	U047	100.00000 KILOGRAMS	PART A
280.	U048	100.00000 KILOGRAMS	PART A
281.	U032	100.00000 KILOGRAMS	PART A
282.	U051	100.00000 KILOGRAMS	PART A
283.	U052	100.00000 KILOGRAMS	PART A
284.	U053	100.00000 KILOGRAMS	PART A
285.	U055	100.00000 KILOGRAMS	PART A
286.	U246	100.00000 KILOGRAMS	PART A
287.	U057	100.00000 KILOGRAMS	PART A

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
288.	U130	100.00000 KILOGRAMS	PART A
289.	U058	100.00000 KILOGRAMS	PART A
290.	U240	100.00000 KILOGRAMS	PART A
291.	U059	100.00000 KILOGRAMS	PART A
292.	U060	100.00000 KILOGRAMS	PART A
293.	U061	100.00000 KILOGRAMS	PART A
294.	U142	100.00000 KILOGRAMS	PART A
295.	U062	100.00000 KILOGRAMS	PART A
296.	U133	100.00000 KILOGRAMS	PART A
297.	U221	100.00000 KILOGRAMS	PART A
298.	U063	100.00000 KILOGRAMS	PART A
299.	U064	100.00000 KILOGRAMS	PART A
300.	U066	100.00000 KILOGRAMS	PART A
301.	U075	100.00000 KILOGRAMS	PART A
302.	U192	100.00000 KILOGRAMS	PART A
303.	U078	100.00000 KILOGRAMS	PART A
304.	U079	100.00000 KILOGRAMS	PART A
305.	U025	100.00000 KILOGRAMS	PART A
306.	U081	100.00000 KILOGRAMS	PART A
307.	U082	100.00000 KILOGRAMS	PART A
308.	U240	100.00000 KILOGRAMS	PART A
309.	U083	100.00000 KILOGRAMS	PART A
310.	U084	100.00000 KILOGRAMS	PART A
311.	U108	100.00000 KILOGRAMS	PART A
312.	U086	100.00000 KILOGRAMS	PART A
313.	U087	100.00000 KILOGRAMS	PART A
314.	U089	100.00000 KILOGRAMS	PART A
315.	U148	100.00000 KILOGRAMS	PART A
316.	U090	100.00000 KILOGRAMS	PART A
317.	U091	100.00000 KILOGRAMS	PART A
318.	U092	100.00000 KILOGRAMS	PART A
319.	U096	100.00000 KILOGRAMS	PART A
320.	U098	100.00000 KILOGRAMS	PART A
321.	U099	100.00000 KILOGRAMS	PART A
322.	U101	100.00000 KILOGRAMS	PART A
323.	U102	100.00000 KILOGRAMS	PART A
324.	U103	100.00000 KILOGRAMS	PART A
325.	U106	100.00000 KILOGRAMS	PART A
326.	U107	1000.00000 KILOGRAMS	PART A
327.	U108	100.00000 KILOGRAMS	PART A
328.	U108	100.00000 KILOGRAMS	PART A
329.	U109	100.00000 KILOGRAMS	PART A
330.	U110	100.00000 KILOGRAMS	PART A
331.	U111	100.00000 KILOGRAMS	PART A
332.	U174	100.00000 KILOGRAMS	PART A
333.	U067	100.00000 KILOGRAMS	PART A
334.	U076	100.00000 KILOGRAMS	PART A
335.	U077	100.00000 KILOGRAMS	PART A
336.	U114	100.00000 KILOGRAMS	PART A

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
337.	U131	100.00000 KILOGRAMS	PART A
338.	U117	100.00000 KILOGRAMS	PART A
339.	U025	100.00000 KILOGRAMS	PART A
340.	U184	100.00000 KILOGRAMS	PART A
341.	U208	100.00000 KILOGRAMS	PART A
342.	U209	100.00000 KILOGRAMS	PART A
343.	U218	100.00000 KILOGRAMS	PART A
344.	U227	100.00000 KILOGRAMS	PART A
345.	U247	100.00000 KILOGRAMS	PART A
346.	U043	100.00000 KILOGRAMS	PART A
347.	U210	100.00000 KILOGRAMS	PART A
348.	U173	100.00000 KILOGRAMS	PART A
349.	U113	100.00000 KILOGRAMS	PART A
350.	U115	100.00000 KILOGRAMS	PART A
351.	U116	100.00000 KILOGRAMS	PART A
352.	U117	100.00000 KILOGRAMS	PART A
353.	U076	100.00000 KILOGRAMS	PART A
354.	U118	100.00000 KILOGRAMS	PART A
355.	U119	100.00000 KILOGRAMS	PART A
356.	U139	100.00000 KILOGRAMS	PART A
357.	U120	100.00000 KILOGRAMS	PART A
358.	U122	100.00000 KILOGRAMS	PART A
359.	U123	100.00000 KILOGRAMS	PART A
360.	U124	100.00000 KILOGRAMS	PART A
361.	U125	100.00000 KILOGRAMS	PART A
362.	U147	100.00000 KILOGRAMS	PART A
363.	U213	100.00000 KILOGRAMS	PART A
364.	U125	100.00000 KILOGRAMS	PART A
365.	U206	100.00000 KILOGRAMS	PART A
366.	U126	100.00000 KILOGRAMS	PART A
367.	U163	100.00000 KILOGRAMS	PART A
368.	U127	100.00000 KILOGRAMS	PART A
369.	U129	100.00000 KILOGRAMS	PART A
370.	U130	100.00000 KILOGRAMS	PART A
371.	U131	100.00000 KILOGRAMS	PART A
372.	U132	100.00000 KILOGRAMS	PART A
373.	U243	100.00000 KILOGRAMS	PART A
374.	U134	100.00000 KILOGRAMS	PART A
375.	U135	100.00000 KILOGRAMS	PART A
376.	U116	100.00000 KILOGRAMS	PART A
377.	U137	100.00000 KILOGRAMS	PART A
378.	U143	100.00000 KILOGRAMS	PART A
379.	U145	100.00000 KILOGRAMS	PART A
380.	U146	100.00000 KILOGRAMS	PART A
381.	U148	100.00000 KILOGRAMS	PART A
382.	U149	100.00000 KILOGRAMS	PART A
383.	U150	100.00000 KILOGRAMS	PART A
384.	U151	100.00000 KILOGRAMS	PART A
385.	U152	100.00000 KILOGRAMS	PART A
386.	U029	100.00000 KILOGRAMS	PART A

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
387.	U045	100.00000 KILOGRAMS	PART A
388.	U068	100.00000 KILOGRAMS	PART A
389.	U080	100.00000 KILOGRAMS	PART A
390.	U138	100.00000 KILOGRAMS	PART A
391.	U121	100.00000 KILOGRAMS	PART A
392.	U153	100.00000 KILOGRAMS	PART A
393.	U225	100.00000 KILOGRAMS	PART A
394.	U154	100.00000 KILOGRAMS	PART A
395.	U155	100.00000 KILOGRAMS	PART A
396.	U186	100.00000 KILOGRAMS	PART A
397.	U156	100.00000 KILOGRAMS	PART A
398.	U226	100.00000 KILOGRAMS	PART A
399.	U157	100.00000 KILOGRAMS	PART A
400.	U158	100.00000 KILOGRAMS	PART A
401.	U160	100.00000 KILOGRAMS	PART A
402.	U161	100.00000 KILOGRAMS	PART A
403.	U162	100.00000 KILOGRAMS	PART A
404.	U163	100.00000 KILOGRAMS	PART A
405.	U164	100.00000 KILOGRAMS	PART A
406.	U165	100.00000 KILOGRAMS	PART A
407.	U166	100.00000 KILOGRAMS	PART A
408.	U236	100.00000 KILOGRAMS	PART A
409.	U167	100.00000 KILOGRAMS	PART A
410.	U168	100.00000 KILOGRAMS	PART A
411.	U169	100.00000 KILOGRAMS	PART A
412.	U170	100.00000 KILOGRAMS	PART A
413.	U171	100.00000 KILOGRAMS	PART A
414.	U179	100.00000 KILOGRAMS	PART A
415.	U180	100.00000 KILOGRAMS	PART A
416.	U193	100.00000 KILOGRAMS	PART A
417.	U182	100.00000 KILOGRAMS	PART A
418.	U204	100.00000 KILOGRAMS	PART A
419.	U205	100.00000 KILOGRAMS	PART A
420.	U233	100.00000 KILOGRAMS	PART A
421.	U206	100.00000 KILOGRAMS	PART A
422.	U189	100.00000 KILOGRAMS	PART A
423.	U232	100.00000 KILOGRAMS	PART A
424.	U207	100.00000 KILOGRAMS	PART A
425.	U216	100.00000 KILOGRAMS	PART A
426.	U217	100.00000 KILOGRAMS	PART A
427.	U223	100.00000 KILOGRAMS	PART A
428.	U212	100.00000 KILOGRAMS	PART A
429.	U213	100.00000 KILOGRAMS	PART A
430.	U226	100.00000 KILOGRAMS	PART A
431.	U227	100.00000 KILOGRAMS	PART A
432.	U228	100.00000 KILOGRAMS	PART A
433.	U230	100.00000 KILOGRAMS	PART A
434.	U231	100.00000 KILOGRAMS	PART A
435.	U232	100.00000 KILOGRAMS	PART A
436.	U234	100.00000 KILOGRAMS	PART A

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
437.	U235	100.00000 KILOGRAMS	PART A
438.	U236	100.00000 KILOGRAMS	PART A
439.	U237	100.00000 KILOGRAMS	PART A
440.	U200	100.00000 KILOGRAMS	PART A
441.	U189	100.00000 KILOGRAMS	PART A
442.	U190	100.00000 KILOGRAMS	PART A
443.	U191	100.00000 KILOGRAMS	PART A
444.	U192	100.00000 KILOGRAMS	PART A
445.	U194	100.00000 KILOGRAMS	PART A
446.	U243	100.00000 KILOGRAMS	PART A
447.	U194	100.00000 KILOGRAMS	PART A
448.	U196	100.00000 KILOGRAMS	PART A
449.	U202	100.00000 KILOGRAMS	PART A
450.	U204	100.00000 KILOGRAMS	PART A

ERIIS ENVIRONMENTAL DATA REPORT
CERCLIS NO FURTHER REMEDIAL ACTION PLANNED SITES
NFRAP - PLOTTABLE SITES - PAGE 1

ERIIS Report #226624A

Feb 19, 1998

ERIIS ID EPA ID	FACILITY	ADDRESS	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
36039000502 NYD002110971	DONNER-HANNA COKE COUNTY: ERIE	ABBY ST AT MYSTIC ST BUFFALO, NY 14220	0.270 MILES	SOUTHWEST	502

SITE EVENT(S)	COMPLETE DATE
DISCOVERY	06/01/81
PRELIMINARY ASSESSMENT	09/01/84
SCREENING SITE INSPECTION	02/14/91

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
36008011402 NYR000021725	TOPS MARKETS INC COUNTY: ERIE	1438 S PARK AVE BUFFALO, NY 14220-1041	FACILITY NOT REPORTED IN RAATS	0.203 MILES	SOUTHEAST	1402

HAZARDOUS WASTES

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
1.	D000	.00000	NOTIFICATION
2.	D001	.00000	NOTIFICATION
3.	D018	.00000	NOTIFICATION

ERIIS ID EPA ID SITE CODE	FACILITY	ADDRESS	CLASSIFICATION REMEDIAL ACTION	ACRES	MAP ID
36053000741 NYD002110971 915017	DONNER HANNA COKE DISTANCE FROM SITE: 0.270 MILES DIRECTION FROM SITE: SOUTHWEST	ABBY ST AT MYSTIC ST BUFFALO, NY 14220 COUNTY: ERIE	NO SIGNIFICANT THREAT - ACTION MAY BE DEFERRED NONE	33	741

SITE TYPE: DUMP

LEGAL ACTION: NONE

SITE DESCRIPTION: Review Of Aerial Photographs Indicate That The Property South Of Republic Steel Has Been Subjected To Various Filling Activities At Various Times Between The Years Of 1951 To 1975. A Large Pond And Wetland Area Have Been Filled And Used For Coke Storage. It Has Been Reported That Ammonium Sulfate Was Allowed To Dry In The Area. In August Of 1982, U.s.g.s. Collected 4 Subsurface Soil Samples. Samples Were Analyzed For Cyanide, Iron And Acid Extractables And Base Neutral Organic Compounds. A Phase I Investigation Has Been Conducted At This Site. A Phase Ii Investigation Report For This Site Was Completed In 1989. The Phase Ii Report Has Identified High Concentrations Of Volatiles And Semivolatiles In Groundwater, Surface Water And Sediments. Inorganic Contaminants In Groundwater Also Exceed Nysdec Water Quality Standards. The Final Phase Ii Investigation Report Was Completed In July Of 1990. Analyses Of Groundwater, Surface Water And Sediments Found Volatile And Semivolatile Organic Compounds Ranging In Concentration From 1 To 240 Ppm. Groundwater Quality Standards For Arsenic, Cyanide And Manganese Were Contravened. Additional Study Will Be Performed By The Potentially Responsible Parties I(prpa) N 1997.
ASSESSMENT OF ENVIRONMENTAL PROBLEMS: Analysis Of The Soil Samples Shows High Levels Of Most Of The Pnas, And The Concentration Of Iron Was Higher Than Background Levels. Groundwater Is Also Contaminated At This Site.

OWNER: HANNA FURNACE CORPORATION
OWNER TYPE: OPERATOR DURING USE
OWNER ADDRESS: BOX A SOUTH PARK STATION
BUFFALO, NY 14220

OWNER: LTV STEEL CORPORATION
OWNER TYPE: OPERATOR DURING USE
OWNER ADDRESS: PO BOX 6778, 27 PROSPECT ST.,
CLEVELAND, OH 44115

OWNER: HANNA FURNACE CORPORATION
OWNER TYPE: CURRENT OWNER
OWNER ADDRESS: BOX A, SOUTH PARK STATION
BUFFALO, NY 14220

OWNER: LTV STEEL CORPORATION
OWNER TYPE: CURRENT OWNER
OWNER ADDRESS: PO BOX 6778, 25 PROSPECT ST.
CLEVELAND, OH 44115

36053000749 NYD002107019 915040	MOBIL OIL CORPORATION DISTANCE FROM SITE: 0.538 MILES DIRECTION FROM SITE: NORTHEAST	635 ELK ST BUFFALO, NY 14210-2236 COUNTY: ERIE	NO SIGNIFICANT THREAT - ACTION MAY BE DEFERRED NONE	3	749

SITE TYPE: DUMP

LEGAL ACTION: STATE CONSENT ORDER

SITE DESCRIPTION: The Site Is Located Near The Buffalo River And Was Used For The Disposal Of Wastes Such As Demolition Debris, Tank Sediments, Sewer Sediments, Soils Containing Asphalt And General Refuse. Prior To Mobil's Ownership, The Property Was Used By The City Of Buffalo For The Disposal Of Municipal Wastes. The U.s.g.s. Analysis Of Soil Samples Taken In August Of 1982 Indicated The Presence Of High Levels Of Lead And Various Organic Compounds. A State Superfund Phase I Investigation Report Has Been Completed. Mobil Oil Entered Into An Order On Consent For Performing A Phase Ii Investigation. A Phase Ii Report By Mobil Oil Was Completed In 1987. Data From This Report Shows The Presence Of Lead In Soil Samples At Levels Of Up To 3,160 Ppm. The Industrial Waste Survey Of 1979 Indicates That Sludge Containing Tetraethyl-lead Was Disposed At This Site. This Site Is Currently In Negotiating With The M2p2 Program To Address The Environmental Problems Related To The Entire Mobil Oil Complex.
ASSESSMENT OF ENVIRONMENTAL PROBLEMS: Soil Is Contaminated With Lead, Which May In Part Be Due To Tetraethyl-lead. The Presence Of Tetraethyl-lead Will Be Tested For Under The M2p2 Program. Access To This Site Is Limited By Fencing.

ERIIS ID / EPA ID / SITE CODE	FACILITY	ADDRESS	CLASSIFICATION / REMEDIAL ACTION	ACRES	MAP ID
	OWNER: MOBIL OIL CORPORATION OWNER TYPE: OPERATOR DURING USE	OWNER ADDRESS: 635 ELK ST. BUFFALO, NY 14204			
	OWNER: MOBIL OIL CORP. OWNER TYPE: CURRENT OWNER	OWNER ADDRESS: 635 ELK ST. BUFFALO, NY 14204			
36053000738 NYD980507792 915012	BUFFALO COLOR AREA "D" DISTANCE FROM SITE: 0.679 MILES DIRECTION FROM SITE: NORTHWEST	340 ELK ST BUFFALO, NY 14210-2104 COUNTY: ERIE	SIGNIFICANT THREAT - ACTION REQUIRED RD-RA	19	738
	SITE TYPE: LAGOON LANDFILL		LEGAL ACTION: STATE CONSENT ORDER,		

SITE DESCRIPTION: The Site Consists Of A 19 Acre Parcel Of Land Known As The "d" Area. The "d" Area Is Bounded By The Buffalo River On Three Sides And An Abandoned Railroad Right-of-way And The Buffalo Color Plant Site On The Fourth Side. The Area Was Operated By Allied Chemical And Is Currently Inactive. Contaminants On The Site Are From Iron Oxide Lagoons Which Were Used To Dispose Of Iron Oxide Sludge Wastes And A Metal Sludge Weathering Area Which Was Used For The Disposal Of Triphenylmethane Dyes. Several Other Areas Are Contaminated With Petroleum Products And Process Chemicals From Past Operations. The Area Was Originally Owned And Operated By Allied Chemical (now Known As Allied Signal) For The Production Of Petroleum Based Detergents, Dye Intermediates, Picric Acid, And Various Other Chemicals Until 1974. The Facility Was Sold To Buffalo Color In 1977. Buffalo Color Razed All Buildings On The Site In 1984. A Consent Agreement Was Signed In April 1982. A Field Investigation Was Completed And Submitted To Dec. It Was Determined That The Site Posed A Significant Threat To The Environment Based On Waste Disposal And Groundwater Contamination By Polynuclear Aromatic Hyrocarbons. A Remedial Investigation / Feasibility Study (ri/fs) Began In 1988 Under A Legal Agreement With Dec. The Fs Was Finalized In July 1991. The Record Of Decision (rod) Was Signed During November 1991 Selects A Remedy Consisting Of Containment Of Waste By A Slurry Wall And Cap, Extraction And Treatment Of Groundwater, Removal Of Contaminated Sediments, And Protection Of Shoreline From Erosion. Allied Signal Signed A Remedial Design/remedial Action (rd/ra) Legal Agreement In June 1993. The Remedial Design Work Was Completed In March 1996. The Remedial Work Began In July 1996 And Is Scheduled To Be Substantially Complete By The End Of 1997.
ASSESSMENT OF ENVIRONMENTAL PROBLEMS: Contamination Of Groundwater And Buffalo River Sediments By Organic Chemicals And Metals Has Occurred. Surface And Subsurface Soils Are Also Contaminated.

	OWNER: ALLIED CHEMICAL OWNER TYPE: OPERATOR DURING USE	OWNER ADDRESS: 35 LEE ST. BUFFALO, NY 14210			
	OWNER: BUFFALO COLOR CORPORATION OWNER TYPE: CURRENT OWNER	OWNER ADDRESS: P.O. BOX 7027, 100 LEE ST. BUFFALO, NY 14210			
36053000774 915131	TIFFT AND HOPKINS DISTANCE FROM SITE: 0.746 MILES DIRECTION FROM SITE: SOUTHEAST	PROVIDENCE STREET (PAPER STREET) BUFFALO, NY COUNTY: ERIE	TEMPORARY CLASSIFICATION - INSUFFICIENT DATA NONE	ACRES	774
	SITE TYPE: LANDFILL		LEGAL ACTION: NONE		

SITE DESCRIPTION: Employees From The City Of Buffalo Water Department, While Repairing A Water Main On A Paper Street (providence Street), Dug Through A Clay Cap And Encountered A Black Material With A Naphthalene Like Odor. A Very Significant Gas Release Occurred, Stopping Work On The Water Main Repair. Low Levels Of Polynuclear Aromatic Hydrocarbons (pahs) Were Found In The Exposed Material. A Phase I Investigation Was Completed In 1990. A Preliminary Site Assessment (psa) Was Completed In January 1993. The Results Of Sub-surface Soil Samples Indicated The Presence Of Contaminants Such As Chlorobenzenes, Naphthalene, Benzene And Toluene. A Record Search To Determine If The Disposal Of Hazardous Waste Has Occurred Is Currently Underway.
ASSESSMENT OF ENVIRONMENTAL PROBLEMS: Subsurface Soil Is Contaminated With Pahs, Benzene, Toluene, And Chlorobenzenes.

ERIIS ID / EPA ID / SITE CODE	FACILITY	ADDRESS	CLASSIFICATION / REMEDIAL ACTION	ACRES	MAP ID
	OWNER: CONSUMER BEVERAGES OWNER TYPE: OPERATOR DURING USE	OWNER ADDRESS: 2230 SOUTH PARK BUFFALO, NY 14220			
	OWNER: ARTIM TRANSPORTATION SYSTEMS, INC. OWNER TYPE: CURRENT OWNER	OWNER ADDRESS: PO BOX 10834 MERRILLVILLE, IN 46411			
36053000758 NYD000513713 915054	ALLTIFT LANDFILL DISTANCE FROM SITE: 0.899 MILES DIRECTION FROM SITE: SOUTHWEST	TIFFT STREET BUFFALO, NY 14202 COUNTY: ERIE	SIGNIFICANT THREAT - ACTION REQUIRED RD-RA	25	758
	SITE TYPE: LANDFILL		LEGAL ACTION: STATE CONSENT ORDER		

SITE DESCRIPTION: This Site Is An Old Landfill That Was Previously Used For Domestic And Industrial Wastes. Studies Have Shown Surface And Groundwater Contamination. According To Phase Ii Investigation Documentation, Allied Corp. (national Aniline Division) Disposed Of Monthly, Quantities Of Miscellaneous Organic Chemicals, Chrome Sludge, Copper Sulfate, Nitrobenzene, Monochlorobenzene, And Naphthalene In The Landfill. A Smaller Landfill Containing Automobile Shredder Wastes, Demolition Debris, Fly-ash And Sand Wastes Is Situated On Top Of The Older Chemical Waste Landfill. This Smaller More Recent Landfill Was Operated Between 1975 And 1984. A Consent Order For The Completion Of A Ri And Feasibility Study (fs) Of The Site Was Signed By Allied Signal In June 1991. Field Work For The Ri Began In Late September 1991, And A Report Was Submitted One Year Later. It Was Found That Groundwater, And The Ponds Adjacent To The Site Have Been Affected By The Landfill. Contaminants Of Concern Included Metals, Pesticides, Pcbs, Chlorinated Solvents And Pahs. Results From The Remedial Investigation Indicate That Wastes Extend To The East Of The Existing Border Under The Adjacent Skyway Scrap Yard. A Record Of Decision (rod) Which Selected The Remedy Includes; Capping, Waste Consolidation, Wetlands Restoration, And Groundwater Collection, Was Signed On March 27, 1995.
ASSESSMENT OF ENVIRONMENTAL PROBLEMS: The Groundwater, Surface Waters And Sediments Have Been Contaminated By Hazardous Wastes. Preliminary Results From The Remedial Investigation Indicate That The Wastes Extend To The East Of The Existing Border.

	OWNER: DOWNING CONT. SERVICE OWNER TYPE: OPERATOR DURING USE	OWNER ADDRESS: PO BOX 246 BUFFALO, NY 14240			
	OWNER: ALLTIFT INC. OWNER TYPE: CURRENT OWNER	OWNER ADDRESS: PO BOX 246 BUFFALO, NY 14240			
36053000790 915155	BEHRINGER PROPERTY (IMSON STREET) DISTANCE FROM SITE: 0.934 MILES DIRECTION FROM SITE: NORTHEAST	181 IMSON ST BUFFALO, NY 14210-1617 COUNTY: ERIE	SIGNIFICANT THREAT - ACTION REQUIRED NOT REPORTED	0.20	790
	SITE TYPE: DUMP		LEGAL ACTION: CONSENT ORDER		

SITE DESCRIPTION: The "site" Is A Yard Located Behind A Building Used For A Planning Operation, All Of Which Is Owned By The Behringer's. The Samples, Shown To Be Character- istic Hazardous Waste (lead From 5.57 Ppm To 250 Ppm), Were Taken From The Yard Near The Corner Of A Shed Located In The Yard Behind The Building. The Soil Consists Of Mixed Fill. Clay Is Encountered At A Shallow Depth (less Than 5 Feet). The Shallow Aquifer Is Perched And Seasonal. The Clay Layer Is Acting As An Aquitard For Vertical Migration Of Groundwater. The Site Is Located In South Buffalo In An Industrial/residential Area. The Groundwater Below The Site Is Not Used As A Potable Water Supply, However, There Is Potential For Exposure Via Direct Contact And Wind Erosion Of The Contaminated Soil. A Routine Site Inspection By Dec Staff, Noted That The Owner Had Excavated High Level Lead Contaminated Soil. Children Were Documented Playing In The Soil. The Owner Refused To Address The Issue Citing Insufficiant Financial Capability. The Dec Removed The Contaminated Soil Under An Emergency Removal Contract. A Record Of Decision (rod) Is Expected In April 1996.
ASSESSMENT OF ENVIRONMENTAL PROBLEMS: High Levels Of Lead Were Found In Site Soils. Soils Do Not Support Vegetative Growth And Is Mostly Uncovered. There Is Potential For Direct Contact With Contaminated Soil And Potential For Dust Generation.

ERIIS ID EPA ID SITE CODE	FACILITY	ADDRESS	CLASSIFICATION REMEDIAL ACTION	ACRES	MAP ID
OWNER: OWNER TYPE:	BEHRINGER BROTHERS, INC. OPERATOR DURING USE	OWNER ADDRESS: 181 IMSON ST. BUFFALO, NY 14210			
OWNER: OWNER TYPE:	CURRENT OWNER	OWNER ADDRESS: NOT REPORTED			
OWNER: OWNER TYPE:	SAMUEL DELMONTE CURRENT OWNER	OWNER ADDRESS: 1115 SENECA ST. BUFFALO, NY 14210			

ERIIS ENVIRONMENTAL DATA REPORT
NEW YORK LEAKING STORAGE TANKS
LRST - PLOTTABLE SITES - PAGE 1

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ERIIS ID SPILL NO.	TANK NAME	TANK LOCATION	SPILL DATE SPILL SOURCE NATURAL RESOURCE AFFECTED	MAP ID
36059004601 9013255	WIL-PAR PACKING COMPANY DISTANCE FROM SITE: 0.489 MILES DIRECTION FROM SITE: SOUTHEAST	82 ABBOTT RD BUFFALO, NY 14220-1044 COUNTY: ERIE	03/28/1991 NOT SPECIFIED ON LAND	4601

MATERIAL CLASS	QUANTITY SPILLED
PETROLEUM	0

ERIIS ENVIRONMENTAL DATA REPORT
NEW YORK SOLID WASTE FACILITIES
SWF - PLOTTABLE SITES - PAGE 1

Feb 19, 1998

ERIIS ID FACILITY ID FACILITY	OPERATOR NAME FACILITY ADDRESS PHONE NO.	PERMIT NO. ISSUE DATE	REGULATORY STATUS	FACILITY ACTIVITY WASTE TYPE	MAP ID
36018001982 15S32 MARILLA STREET SLF (LTV) DISTANCE FROM SITE: 0.264 MILES DIRECTION FROM SITE: NORTHWEST	REPUBLIC STEEL CORP. 1175 S PARK AVE BUFFALO, NY 14220-1033 COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL	1982

ERIIS ENVIRONMENTAL DATA REPORT
NEW YORK PETROLEUM BULK STORAGE FACILITIES
PBS - PLOTTABLE SITES - PAGE 1

Feb 19, 1998

ERIIS ID / PBS NO. / CBS NO.	FACILITY / ADDRESS	CONTACT NAME / PHONE	SITE STATUS / FACILITY TYPE	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
36048018989 9-386421	ZILON SALES LTD 1365 S PARK AVE BUFFALO, NY 14220-1035 COUNTY: ERIE	ZILON SALES LTD (716) 888-7088 CERTIFICATE DATE: 07/20/1987	INACTIVE RETAIL GASOLINE SALES EXPIRATION DATE: 07/20/1992	0.064 MILES	NORTHEAST	8989

TANK ID	INSTALL DATE	CAPACITY (GALLONS)	PRODUCT STORED	TANK STATUS	TANK TYPE	TANK LOCATION
001	00/00	4000	LEADED GASOLINE	CLOSED BEFORE APRIL 1, 1991	STEEL/CARBON STEEL	UNDERGROUND
002	00/00	3000	UNLEADED GASOLINE	CLOSED BEFORE APRIL 1, 1991	STEEL/CARBON STEEL	UNDERGROUND
003	00/00	3000	UNLEADED GASOLINE	CLOSED BEFORE APRIL 1, 1991	STEEL/CARBON STEEL	UNDERGROUND

36048019895 9-416800	SUNOCO 1409 S PARK AVE BUFFALO, NY 14220-1037 COUNTY: ERIE	PETER MARTH (716) 822-5641 CERTIFICATE DATE: 10/02/1997	ACTIVE RETAIL GASOLINE SALES EXPIRATION DATE: 10/06/1902	0.144 MILES	SOUTHEAST	9895

TANK ID	INSTALL DATE	CAPACITY (GALLONS)	PRODUCT STORED	TANK STATUS	TANK TYPE	TANK LOCATION
1	00/00	8000	LEADED GASOLINE	IN-SERVICE	STEEL/CARBON STEEL	UNDERGROUND
2	00/00	8000	UNLEADED GASOLINE	IN-SERVICE	STEEL/CARBON STEEL	UNDERGROUND
3	00/00	6000	LEADED GASOLINE	CLOSED - REMOVED	STEEL/CARBON STEEL	UNDERGROUND

ERIIS ID SPILL NO.	FACILITY	SPILL LOCATION	SPILL DATE SPILL SOURCE NATURAL RESOURCE AFFECTED	MAP ID
36021016089 9408111	TOPS 1438 SP DISTANCE FROM SITE: 0.203 MILES DIRECTION FROM SITE: SOUTHEAST	1438 S PARK AVE BUFFALO, NY 14220-1041 COUNTY: ERIE	09/01/1994 NOT SPECIFIED ON LAND	6089

MATERIAL CLASS	QUANTITY SPILLED
PETROLEUM	0 GAL

ERIIS ID SPILL NO.	SPILL NAME	SPILL LOCATION	SPILL DATE SPILL SOURCE NATURAL RESOURCE AFFECTED	CLEANUP COMPLETION DATE	MAP ID
36081083044 9005733	LEBIS CONTRACTING DISTANCE FROM SITE: 0.138 MILES DIRECTION FROM SITE: SOUTHEAST	1400 S PARK AVE BUFFALO, NY 14220-1038 COUNTY: ERIE	08/21/1990 NOT SPECIFIED ON LAND	09/18/1991	3044
	MATERIAL CLASS: PETROLEUM — QUANTITY SPILLED: 30 GAL				
36081101888 9605144	WHITE STUFF ON ABBY ST DISTANCE FROM SITE: 0.159 MILES DIRECTION FROM SITE: SOUTHWEST	ABBY ST AT OCONNOR AVE BUFFALO, NY 14220 COUNTY: ERIE	07/19/1996 OTHER COMMERCIAL/INDUSTRIAL ON LAND	10/02/1996	1888
	MATERIAL CLASS: UNKNOWN — QUANTITY SPILLED: 0 GAL				
36081083534 9012218	DONNER HANNA-TRANSFORMERS DISTANCE FROM SITE: 0.217 MILES DIRECTION FROM SITE: SOUTHWEST	ABBY ST AT BARAGA ST BUFFALO, NY 14220 COUNTY: ERIE	02/21/1991 OTHER COMMERCIAL/INDUSTRIAL ON LAND	03/22/1991	3534
	MATERIAL CLASS: PETROLEUM — QUANTITY SPILLED: 0				

Unplottable Sites

The remaining report pages list additional environmental sites that have been selected based on geographic criteria unique to your study site. They are classified as "unplottable sites" and require further investigation to assess their potential impact on your site.

How to Evaluate Unplottable Sites

Step 1

Streets Within the Radius: the following page is an alphabetical index of all streets that intersect or are contained within the largest study radius (usually one mile).

Step 2

Cross-Reference: use the "Streets Within the Radius" index to cross-reference the unplottable sites. For example, if Maple Avenue and Oak Avenue are listed in the street index, then any unplottable sites with a Maple Avenue or Oak Avenue address should be checked for possible impact on study site.

Questions on ERIIS' Proprietary Geocoding?

We're happy to answer any questions you might have about our data processing and **point-geocoding** (assigning a latitude and longitude to each address). Just give us a call on our toll-free number at (800) 989-0402 and let us know what state you're calling from. Our customer service staff is available from 8 a.m. to 8 p.m. (EST).

The ASTM Standard Practice For Environmental Site Assessments

As stated in the recently published **Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process** (E1527) by the American Society for Testing and Materials (ASTM):

> "For large databases with numerous facility records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not practically reviewable unless they can be obtained from the source agency in the smaller geographic area of ZIP code (3.3.24)."

Therefore, this Report contains information available by latitude/longitude or by ZIP code. If your research requires environmental records for which only city or county information is available (i.e., no valid street or ZIP code) ERIIS will include this data at no extra charge.

ERIIS LIST OF STREETS IN THE RADIUS

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STREET NAME
ABBOTT ROAD
ABBY ST
ALAMO PL
ALBION PL
ALLEGANY ST
ALMONT PL
AMBER ST
AMELIA ST
ARCHER AVE
AVON PL
AVONDALE PL
BABCOCK ST
BAILEY AVE
BARAGA ST
BEACON ST
BELL ST
BERTHA PL
BOLTON PL
BOONE ST
BRADFORD ST
BUFFALO ST
BURT AVE
CLIFFORD ST
CLIO AVE
COLUMBUS AVE
COMO AVE
CORONADA ST
CRYSTAL AVE
CUMBERLAND AVE
DASH ST
DOLE ST
DUNBAR ST
DUNCAN ST
DURANT ST
ELK ST
EUCLID PL
FOLGER ST
FULTON ST
GARVEY AVE
GERMANIA ST
GOOD AVE
GORHAM ST
HAMMERSCHMIDT AVE
HARRISON ST
HARVEY PL
HAYES PL
HEATHCOCK PARK
HEUSSY AVE
HOPKINS ST
HOUSTON ST
HUBBELL AVE
I 190
IMSON ST
JORDAN PL
JOSIE PL
JUNIATA PL
KEATING ST
KELLOGG ST
KENEFICK AVE
KEPPEL ST
KIMMEL AVE
KOESTER ST
LAKEWOOD AVE
LEAMINGTON PL
LEE ST
N LEGION DR
S LEGION DR
LESTER ST
LILAC ST
LITTELL ST
LOCKWOOD AVE
MACAMLEY ST
MARBETH CT
MAURICE ST
MCKINLEY PKY
MELROSE ST
MELVIN PL
MESMER AVE
MIDLAND ST
MILTON ST
MINTON ST
MUMFORD ST
MYSTIC ST
NEW ABBY ST
OAKDALE PL
OCONNOR AVE
OLCOTT AVE
ORLANDO ST
OWAHN PL
S PARK AVE
PAUL PL
PAYNE AVE
PAYSON AVE
PEABODY ST
PEMBINA ST
PERRY ST
POMEROY ST
PRENATT ST
PRIES AVE
PROVIDENCE AVE
QUINN ST

ERIIS LIST OF STREETS IN THE RADIUS

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STREET NAME
REMINGTON PL
REMOLENO ST
RIVERVIEW PL
ROBINS ST
RUTLAND ST
SAGE AVE
SAINT STEPHENS PL
SELKIRK ST
SENECA ST
SIRRET ST
SMITH ST
SOUTHSIDE PKY
SPAULDING ST
ST STEPHENS PL
STEVENSON ST
TAYLOR PL
TIFFT ST
TROUPE ST
TROWBRIDGE ST
UNGER AVE
VAN DUZER ST
VERONA ST
WALTER ST
WASSON ST
WESCOTT ST
WINONA ST

ERIIS SUMMARY OF UNPLOTTABLE SITES
(Facilities sorted alphabetically within ZIP Code)

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Feb 19, 1998

ERIIS ID.	FACILITY/STREET	CITY/STATE/ZIP/COUNTY	DATABASE
36039000811	BUFFALO LF HOPKINS ST	BUFFALO, NY 14220 COUNTY: ERIE	NFRAP
36039000575	KELLY ISLAND GANSON STREET	BUFFALO, NY 14220 COUNTY: ERIE	NFRAP
36018002000	ALLIED CHEM-HOPKINS ST.	NY COUNTY: ERIE	SWF
36018001996	AMHERST LF (T)	NY COUNTY: ERIE	SWF
36018001997	BLASDELL LF (V)	NY COUNTY: ERIE	SWF
36018001952	CHEEKTOWAGA T.S. (T)	NY COUNTY: ERIE	SWF
36018001951	COLLINS T.S.	NY COUNTY: ERIE	SWF
36018001967	DUPONT SLF	NY COUNTY: ERIE	SWF
36018002004	EVANS LF (OLD) (T)	NY COUNTY: ERIE	SWF
36018001999	GEORGE SCHREIBER	NY COUNTY: ERIE	SWF
36018001988	HOPKINS STREET LF	NY COUNTY: ERIE	SWF
36018001947	IWS SCHULTZ C&D	NY COUNTY: ERIE	SWF
36018001945	JAMES SERVICES T.S.	NY COUNTY: ERIE	SWF
36018002016	JEFFREY BOULEVARD T.S.	NY COUNTY: ERIE	SWF
36018001939	LAMB & WEBSTER C & D	NY COUNTY: ERIE	SWF
36018001990	LASALLE RESERVOIR	NY COUNTY: ERIE	SWF
36018002010	NORTHSIDE TRANSFER STA.	NY COUNTY: ERIE	SWF
36018001974	NYS THRUWAY AUTH. SLF	NY COUNTY: ERIE	SWF
36018002001	SMALL BOAT HARBOR CONTAIN	NY COUNTY: ERIE	SWF
36018002012	SOUTH SIDE T.S. INDIAN RD	NY COUNTY: ERIE	SWF
36018001994	SPRINGVILLE LF (V)	NY COUNTY: ERIE	SWF
36018002017	WMNY TRANSFER STATION	NY COUNTY: ERIE	SWF

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ERIIS ENVIRONMENTAL DATA REPORT
CERCLIS NO FURTHER REMEDIAL ACTION PLANNED SITES
NFRAP - UNPLOTTABLE SITES

Feb 19, 1998

ERIIS ID EPA ID	FACILITY	ADDRESS
36039000575 NYD000887976	KELLY ISLAND COUNTY: ERIE	GANSON STREET BUFFALO, NY 14220

SITE EVENT(S)	COMPLETE DATE
DISCOVERY	04/01/80
PRELIMINARY ASSESSMENT	03/26/86

36039000811 NYD980507800	BUFFALO LF COUNTY: ERIE	HOPKINS ST BUFFALO, NY 14220

SITE EVENT(S)	COMPLETE DATE
DISCOVERY	04/01/80
PRELIMINARY ASSESSMENT	11/01/81
PRELIMINARY ASSESSMENT	05/24/90

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ERIIS ENVIRONMENTAL DATA REPORT
NEW YORK SOLID WASTE FACILITIES
SWF - UNPLOTTABLE SITES

Feb 19, 1998

ERIIS ID FACILITY ID FACILITY	OPERATOR NAME FACILITY ADDRESS PHONE NO.	PERMIT NO. ISSUE DATE	REGULATORY STATUS	FACILITY ACTIVITY WASTE TYPE
36018001939 15D09 LAMB & WEBSTER C & D	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL DEMOLITION
36018001945 15D28 JAMES SERVICES T.S.	JAMES BURDICK NOT REPORTED NY COUNTY: ERIE	08/07/1996	REGISTERED	CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL DEMOLITION
36018001947 15D39 IWS SCHULTZ C&D	VINCENT JOWDY NOT REPORTED NY COUNTY: ERIE	9143000115000010 07/18/1995	PERMIT	CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL DEMOLITION
36018001951 15R14 COLLINS T.S.	VICKI COCCA NOT REPORTED NY COUNTY: ERIE	0 04/25/1995	REGISTERED	SMALL TRANSFER STATION (<50,000 CY ANNUALLY) RESIDENTIAL
36018001952 15R20 CHEEKTOWAGA T.S. (T)	DAVID KULIK NOT REPORTED NY COUNTY: ERIE	01/17/1997	REGISTERED	SMALL TRANSFER STATION (<50,000 CY ANNUALLY) RESIDENTIAL
36018001967 15S16 DUPONT SLF	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL
36018001974 15S23 NYS THRUWAY AUTH. SLF	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL
36018001988 15S80 HOPKINS STREET LF	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL
36018001990 15S82 LASALLE RESERVOIR	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL
36018001994 15S86 SPRINGVILLE LF (V)	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL

ERIIS Report #226624A

ERIIS ENVIRONMENTAL DATA REPORT
NEW YORK SOLID WASTE FACILITIES
SWF - UNPLOTTABLE SITES

Feb 19, 1998

ERIIS ID FACILITY ID FACILITY	OPERATOR NAME FACILITY ADDRESS PHONE NO.	PERMIT NO. ISSUE DATE	REGULATORY STATUS	FACILITY ACTIVITY WASTE TYPE
36018001996 15S88 AMHERST LF (T)	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL
36018001997 15S89 BLASDELL LF (V)	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL
36018001999 15S91 GEORGE SCHREIBER	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL
36018002000 15S92 ALLIED CHEM-HOPKINS ST.	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL
36018002001 15S93 SMALL BOAT HARBOR CONTAIN	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL
36018002004 15S96 EVANS LF (OLD) (T)	NOT REPORTED NY COUNTY: ERIE	0 NOT REPORTED	NONE	MIXED SOLID WASTE LANDFILL
36018002010 15T11 NORTHSIDE TRANSFER STA.	DAVID HANSON NOT REPORTED NY COUNTY: ERIE	9146400091000020 10/27/1995	PERMIT	LARGE TRANSFER STATION (>50,000 CY ANNUALLY) RESIDENTIAL
36018002012 15T13 SOUTH SIDE T.S. INDIAN RD	DAVID HANSON NOT REPORTED NY COUNTY: ERIE	9143000078000010 07/11/1996	PERMIT	LARGE TRANSFER STATION (>50,000 CY ANNUALLY) RESIDENTIAL
36018002016 15T23 JEFFREY BOULEVARD T.S.	EDWARD VARGO NOT REPORTED NY COUNTY: ERIE	9144800168000010 12/23/1996	PERMIT	LARGE TRANSFER STATION (>50,000 CY ANNUALLY) RESIDENTIAL
36018002017 15T24 WMNY TRANSFER STATION	PETER WEKENMANN NOT REPORTED NY COUNTY: ERIE	9145200067000010 04/10/1994	PERMIT	LARGE TRANSFER STATION (>50,000 CY ANNUALLY) RESIDENTIAL, COMMERCIAL

ENVIRONMENTAL RISK INFORMATION & IMAGING SERVICES
AERIAL PHOTOGRAPH SEARCH REPORT

The following sources have reported aerial photo coverage for the subject site USGS topoquad.
For site-specific photo availablity and ordering, please call the individual source agency or call
AIC at 1-800-945-9509 or fax this page to AIC at 512-478-5215.

ERIIS Report #226624A

VENDOR NAME	STREET	STATE	ZIP	PHONE
AERIAL VIEWPOINT	10200 RICHMOND AVE., SUITE 140	TX	77042	713-784-5801

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1965	VERTICAL CARTO (IMPLIES STEREO)		00024000		BLACK AND WHITE	UNK	40%	BUFFALO, NY
1965	VERTICAL CARTO (IMPLIES STEREO)		00024000		BLACK AND WHITE	UNK	40%	BUFFALO, NY

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE	AERIAL PHOTOGRAPHY FIELD OFFICE	UT	84130-0010	801-975-3503

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1990	VERTICAL CARTO (IMPLIES STEREO)	36000	00040000	6.00IN OR 152MM	BLACK AND WHITE	0%	10%	ASCS NEW YORK
1966 JUN 12	VERTICAL CARTO (IMPLIES STEREO)	ARF	00020000	8.25IN OR 210MM	BLACK AND WHITE	0%	10%	06
1958 MAY 08	VERTICAL CARTO (IMPLIES STEREO)	ARF	00020000	8.25IN OR 210MM	BLACK AND WHITE	0%	10%	06
1951 OCT 14	VERTICAL CARTO (IMPLIES STEREO)	ARF	00020000	8.25IN OR 210MM	BLACK AND WHITE	0%	10%	06

COUNTY OF ERIE, NEW YORK	REAL PROPERTY TAX SERVICE	NY	14202	716-846-6334

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1972 MAY	VERTICAL CARTO (IMPLIES STEREO)		00028000	6.00IN OR 152MM	BLACK AND WHITE	0%	10%	ERIE CO. NY
1972 MAY	VERTICAL CARTO (IMPLIES STEREO)		00018000	6.00IN OR 152MM	BLACK AND WHITE	0%	10%	ERIE CO. NY

KEDDAL AERIAL MAPPING	1900 SLEEPY HOLLOW RD.	PA	15129	412-835-5655

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1979 APR	VERTICAL CARTO (IMPLIES STEREO)		00012000	6.00IN OR 152MM	COLOR	0%	20%	LAKE ERIE
1976 OCT	VERTICAL CARTO (IMPLIES STEREO)		00024000	6.00IN OR 152MM	BLACK AND WHITE	0%	10%	

LOCKWOOD MAPPING, INC.	36 KARLAN DR.	NY	14617	716-342-5810

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1982	VERTICAL CARTO (IMPLIES STEREO)		00006000	6.00IN OR 152MM	BLACK AND WHITE	0%	40%	BUFFALO & VIC.
1979	VERTICAL CARTO (IMPLIES STEREO)		00004800	6.00IN OR 152MM	BLACK AND WHITE	0%	20%	BUFFALO & VIC.
1979	VERTICAL CARTO (IMPLIES STEREO)		00024000	6.00IN OR 152MM	BLACK AND WHITE	0%	20%	BUFFALO & VIC.
1979	VERTICAL CARTO (IMPLIES STEREO)		00012000	6.00IN OR 152MM	BLACK AND WHITE	0%	30%	BUFFALO & VIC.

MARS ASSOCIATES, INC.	1422 NORTH 44TH ST., SUITE 109	AZ	85008	602-267-8008

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1984	SIDE-LOOKING AIRBORNE RADAR	NY&PA	01000000	OTHER	BLACK AND WHITE	0%	10%	NEW YORK & PENN.
1984	SIDE-LOOKING AIRBORNE RADAR	NUYORK	00500000	OTHER	BLACK AND WHITE	0%	10%	NEW YORK STATE

MCINTOSH AND MCINTOSH, INC.	P.O. BOX 490	NY	14094	716-433-2535

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1989 APR	VERTICAL CARTO (IMPLIES STEREO)		00006000	6.00IN OR 152MM	BLACK AND WHITE	0%	20%	BUFFALO, NY

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VENDOR NAME	STREET	STATE	ZIP	PHONE

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1974 OCT	VERTICAL CARTO (IMPLIES STEREO)		00024000	6.00IN OR 152MM	BLACK AND WHITE	0%	10%	
1972 OCT	VERTICAL CARTO (IMPLIES STEREO)		00024000	6.00IN OR 152MM	BLACK AND WHITE	0%	10%	

ATIONAL AERONAUTICS AND SPACE ADMINISTRATION, AMES — AMES RESEARCH CENTER — 800-USA-MAPS

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1974 MAY 18	VERTICAL RECONNAISSANCE	01776	00130000	6.00IN OR 152MM	COLOR INFRARED	0%	10%	574001776 8918 8923 0154 1023
1973 SEP 19	VERTICAL RECONNAISSANCE	01463	00131000	6.00IN OR 152MM	COLOR INFRARED	90%	20%	573001463 4483 4484 0179 1777
1973 SEP 19	VERTICAL RECONNAISSANCE	01463	00127000	6.00IN OR 152MM	COLOR INFRARED	70%	50%	573001463 4485 4485 0179 1779
1973 JUN 02	VERTICAL RECONNAISSANCE	01205	00126000	6.00IN OR 152MM	COLOR INFRARED	10%	90%	573001205 1962 1963 0177 1438
1973 JUN 02	VERTICAL RECONNAISSANCE	01205	00129000	6.00IN OR 152MM	COLOR INFRARED	0%	20%	573001205 1960 1961 0177 1436
1973 MAR 23	VERTICAL RECONNAISSANCE	01019	00129000		COLOR INFRARED	0%	10%	573001019 9743 9744 0176 0451
1973 MAR 23	VERTICAL RECONNAISSANCE	01019	00127000		COLOR INFRARED	0%	60%	573001019 9736 9742 0176 0444
1973 MAR 23	VERTICAL RECONNAISSANCE	01019	00134000		COLOR INFRARED	0%	70%	573001019 9717 9720 0176 0425

ATIONAL AERONAUTICS AND SPACE ADMINISTRATION, JS — JOHNSON SPACE CENTER — 800-USA-MAPS

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1972 JUN 07	VERTICAL RECONNAISSANCE	2050	00121385	6.00IN OR 152MM	COLOR INFRARED	10%	10%	620500380 0041 0042 0581 0324
1972 JUN 07	VERTICAL RECONNAISSANCE	2050	00119793	6.00IN OR 152MM	COLOR INFRARED	0%	70%	620500380 0043 0055 0581 0326
1972 JUN 07	VERTICAL RECONNAISSANCE	2050	00065048	12.0IN OR 305MM	COLOR INFRARED	10%	40%	620500400 0091 0092 0581 0599
1972 JUN 07	VERTICAL RECONNAISSANCE	2050	00063807	12.0IN OR 305MM	COLOR INFRARED	0%	70%	620500400 0093 0097 0581 0601
1972 JUN 07	VERTICAL RECONNAISSANCE	2050	00119068	6.00IN OR 152MM	COLOR INFRARED	10%	30%	620500380 0038 0039 0581 0319
1972 JUN 07	VERTICAL RECONNAISSANCE	2050	00120167	6.00IN OR 152MM	COLOR	0%	30%	620500390 0039 0043 0581 0431
1972 JUN 07	VERTICAL RECONNAISSANCE	2050	00122155	6.00IN OR 152MM	COLOR	10%	10%	620500390 0045 0046 0581 0437
1972 MAY 31	VERTICAL RECONNAISSANCE	2050	00120882	6.00IN OR 152MM	COLOR	0%	70%	620500390 0047 0060 0581 0439
1972 APR 05	VERTICAL RECONNAISSANCE	CITY	00119927	6.00IN OR 152MM	COLOR INFRARED	0%	70%	6CITY0380 0043 0043 0581 0326
1972 APR 05	VERTICAL RECONNAISSANCE	1960	00038408	6.00IN OR 152MM	COLOR	50%	30%	619600010 0140 0141 0556 0141
1971 MAY 29	VERTICAL RECONNAISSANCE	1960	00037951	6.00IN OR 152MM	COLOR INFRARED	40%	30%	619600020 0149 0150 0556 0332
1970 OCT 19	VERTICAL RECONNAISSANCE	1660	00120256	6.00IN OR 152MM	COLOR INFRARED	0%	20%	616600580 9127 9127 0681 0186
1970 OCT 19	VERTICAL RECONNAISSANCE	1450	00060036	12.0IN OR 305MM	COLOR INFRARED	0%	60%	614500510 0064 0067 0463 0927
1970 OCT 19	VERTICAL RECONNAISSANCE	1450	00118588	6.00IN OR 152MM	COLOR	0%	10%	614500490 8435 8451 0463 0741
1970 JUL 06	VERTICAL RECONNAISSANCE	1450	00118588	6.00IN OR 152MM	COLOR INFRARED	0%	10%	614500500 8136 8152 0463 0583
1970 JUL 06	VERTICAL RECONNAISSANCE	1320	00120594	6.00IN OR 152MM	COLOR INFRARED	0%	10%	613200370 5114 5115 1211 0486
1970 JUL 06	VERTICAL RECONNAISSANCE	1320	00121673	6.00IN OR 152MM	COLOR INFRARED	0%	80%	613200370 5102 5113 1211 0474
1970 JUL 06	VERTICAL RECONNAISSANCE	1320	00119622	6.00IN OR 152MM	COLOR INFRARED	0%	30%	613200370 5116 5117 1211 0488
1970 JUL 06	VERTICAL RECONNAISSANCE	1320	00122277	6.00IN OR 152MM	COLOR	0%	10%	613200380 5460 5465 1211 0680
1970 JUL 06	VERTICAL RECONNAISSANCE	1320	00120561	6.00IN OR 152MM	COLOR	0%	30%	613200380 5466 5472 1211 0686
1970 JUL 06	VERTICAL RECONNAISSANCE	1320	00062512	6.00IN OR 152MM	COLOR INFRARED	0%	50%	613200390 0098 0102 1211 0866

ATIONAL ARCHIVES AND RECORDS ADMINISTRATION — CARTOGRAPHIC AND ARCHITECTURAL BRANCH — MD — 20740-6001 — 410-713-7040

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1939	VERTICAL CARTO (IMPLIES STEREO)	ARF	00020000	8.25IN OR 210MM	BLACK AND WHITE	0%	10%	ASCS PROJECT

IATIONAL OCEAN SERVICE — NOAA/COAST AND GEODETIC SURVEY — MD — 20910 3282 — 410-713-2692

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AIC at 1-800-945-9509 or fax this page to AIC at 512-478-5215.

VENDOR NAME	STREET	STATE	ZIP	PHONE
EW YORK DEPT. OF TRANSPORTATION	MAP INFORMATION UNIT	NY	12232	518-457-3555
UINN & ASSOCIATES	460 CARENDAN DR.	PA	19044	
OIL CONSERVATION SERVICE	AERIAL PHOTOGRAPHY FIELD OFFICE	UT	84130-0010	801-975-3503
.S. AIR FORCE	DEPT. OF THE AIR FORCE, EDC			800-USA-MAPS
.S. ARMY	DEPT. OF THE ARMY, EDC			800-USA-MAPS
.S. ARMY CORPS OF ENGINEERS, DETROIT	GREAT LAKES HYDRAULICS AND HYDROLOGICAL BRANCH	MI	48226	313-226-3054

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1978 AUG 22	VERTICAL CARTO (IMPLIES STEREO)	78B-3	00030000	6.00IN OR 152MM	COLOR 0%		30%	121-LM 7377-7380
1978 AUG 22	VERTICAL CARTO (IMPLIES STEREO)	78B-1	00030000	6.00IN OR 152MM	COLOR 0%		30%	121-LM 7369-7380
1978 JUN 23	VERTICAL CARTO (IMPLIES STEREO)	78E-2	00030000	6.00IN OR 152MM	COLOR 0%		20%	121-LM 0872-0873
1978 JUN 23	VERTICAL CARTO (IMPLIES STEREO)	78E-4	00020000	6.00IN OR 152MM	COLOR 0%		20%	121-LM 0901-0907
1978 JUN 23	VERTICAL CARTO (IMPLIES STEREO)	78E-1	00030000	6.00IN OR 152MM	COLOR 0%		50%	121-LM 0864-0878
1978 JUN 23	VERTICAL CARTO (IMPLIES STEREO)	78E-2	00020000	6.00IN OR 152MM	COLOR 0%		20%	121-LM 0893-0907
1976 SEP 03	VERTICAL CARTO (IMPLIES STEREO)	76E	00030000	6.00IN OR 152MM	BLACK AND WHITE 0%		20%	121-LM 7828-7830
1976 JUN 04	VERTICAL CARTO (IMPLIES STEREO)	76B-1	00036000	6.00IN OR 152MM	BLACK AND WHITE 0%		20%	121-LM 6267-6271
1976 JUN 04	VERTICAL CARTO (IMPLIES STEREO)	76B-1	00036000	6.00IN OR 152MM	BLACK AND WHITE 0%		40%	121-LM 6293-6295
1976 JUN 04	VERTICAL CARTO (IMPLIES STEREO)	76B	00036000	6.00IN OR 152MM	BLACK AND WHITE 0%		40%	121-LM 6267-6277
1976 JUN 04	VERTICAL CARTO (IMPLIES STEREO)	76B	00036000	6.00IN OR 152MM	BLACK AND WHITE 0%		40%	121-LM 6293-6299
1976 MAY 10	VERTICAL CARTO (IMPLIES STEREO)	76Z	00030000	6.00IN OR 152MM	COLOR 0%		50%	121-LM 4943-4954
1972 SEP 20	VERTICAL CARTO (IMPLIES STEREO)	72L-1	00030000	6.00IN OR 152MM	COLOR 0%		20%	121-LM 9610-9623
1972 SEP 20	VERTICAL CARTO (IMPLIES STEREO)	72L-2	00030000	6.00IN OR 152MM	COLOR 0%		20%	121-LM 9624-9629
1972 SEP 20	VERTICAL CARTO (IMPLIES STEREO)	72L-3	00030000	6.00IN OR 152MM	COLOR 0%		20%	121-LM 9630-9636

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1982 MAY	VERTICAL CARTO (IMPLIES STEREO)		00006000	6.00IN OR 152MM	COLOR 0%		20%	AMTRAK LINE

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1975 MAY	VERTICAL CARTO (IMPLIES STEREO)		00012000	6.00IN OR 152MM	BLACK AND WHITE 0%		20%	LK ERIE, NIAGARA

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1978	VERTICAL CARTO (IMPLIES STEREO)		00038000	6.00IN OR 152MM	BLACK AND WHITE 0%		10%	

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1970 JUN 23	VERTICAL CARTO (IMPLIES STEREO)	6830C	00053715	1.97IN OR 50MM	COLOR 0%		90%	2 0010017
1970 JUN 23	VERTICAL CARTO (IMPLIES STEREO)	6830C	00053601	1.97IN OR 50MM	COLOR 0%		50%	2 0010014
1959 OCT 18	VERTICAL CARTO (IMPLIES STEREO)	59035	00060000		BLACK AND WHITE 0%		10%	1 0950138

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1958 JUN 03	VERTICAL CARTO (IMPLIES STEREO)	550	00060000		BLACK AND WHITE 0%		10%	1 340940705

ENVIRONMENTAL RISK INFORMATION & IMAGING SERVICES
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AIC at 1-800-945-9509 or fax this page to AIC at 512-478-5215.

ERIIS Report #226624A

VENDOR NAME	STREET	STATE	ZIP	PHONE
U.S. ARMY CORPS OF ENGINEERS, EDC	CONTACT U.S. GEOLOGICAL SURVEY ESIC OFFICES			800-USA-MAPS
U.S. GEOLOGICAL SURVEY	ANCHORAGE ESIC	AK	99508-4664	907-786-7011; TDD 907-

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1990	VERTICAL CARTO (IMPLIES STEREO)	GLAKES	00024000	6.00IN OR 152MM	COLOR INFRARED	0%	20%	LAKE ERIE SHORE
1988	VERTICAL CARTO (IMPLIES STEREO)	GLAKES	00024000	6.00IN OR 152MM	COLOR INFRARED	0%	10%	LAKE ERIE SHORE
1970 MAY 21	VERTICAL CARTO (IMPLIES STEREO)	USLS	00030000	1.97IN OR 50MM	BLACK AND WHITE	0%	30%	2 00100008
1970 MAY 21	VERTICAL CARTO (IMPLIES STEREO)	USLS	00030000	1.97IN OR 50MM	BLACK AND WHITE	0%	50%	2 00100011
1995	VERTICAL CARTO (IMPLIES STEREO)	NP9445	00040000	6.00IN OR 152MM	COLOR INFRARED	0%	10%	NAPP2-LEAF OFF
1990 APR 19	VERTICAL CARTO (IMPLIES STEREO)	VFLUC	00024000	OTHER	COLOR	0%	10%	0071 0681
1989 JUN	SIDE-LOOKING AIRBORNE RADAR	RADBUF	00250000	OTHER	BLACK AND WHITE	UNK	10%	BUFFALO N75W
1983 MAR 17	VERTICAL CARTO (IMPLIES STEREO)	VFFS	00024000	OTHER	BLACK AND WHITE	0%	10%	0068 0721
1981 MAY 07	VERTICAL CARTO (IMPLIES STEREO)	VEQX	00080000	OTHER	BLACK AND WHITE	0%	10%	0067 0068
1974 APR 17	VERTICAL CARTO (IMPLIES STEREO)	VDLA	00024000	OTHER	BLACK AND WHITE	0%	10%	0049 0692
1963 OCT 02	VERTICAL CARTO (IMPLIES STEREO)	VAOJ	00024034	OTHER	BLACK AND WHITE	0%	10%	0015 0930
1962 NOV 26	VERTICAL CARTO (IMPLIES STEREO)	VAOJ	00038000	OTHER	BLACK AND WHITE	0%	10%	0070 0662

HISTORIC MAP SEARCH

PERTAINING TO:

NEW ABBY STREET
BUFFALO, NY 14220

REPORT NUMBER: 226624A

No historic maps are available for this site in the ERIIS Historic Map Collection, for the period covering the years 1867-1990

The ERIIS Historic Map Collection is the largest and most extensive private collection of prior-use maps in the United States, thereby affording the greatest degree of historic due diligence. In addition to the Sanborn Fire Insurance Map Collections, ERIIS' inventory includes images from the following publishers:

- Manufacturers Mutual Fire Insurance Maps
- Nirenstein Real Estate Atlases
- William G. Baist
- Hopkins
- Rascher
- Dakin
- Scarlett and Scarlett
- Bromley
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HISTORIC MAP SEARCH

PERTAINING TO:

NEW ABBY STREET
BUFFALO, NY 14220

REPORT NUMBER: 226624A

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- Manufacturers Mutual Fire Insurance Maps
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ERIS
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Herndon, VA 20170
(703)834-0600 (800)989-0402
FAX: (703)834-0606

SITE INFORMATION

New Abby Street
Buffalo, NY
Erie County
Job Number: 226624A
Map Plotted: Feb 19, 1998

MAP LEGEND

- Target Area
- Radii .25, .5, 1 Mi
- Hydrography
- Railroads
- Roads
- Highways
- NPL 0 Sites
- RCRIS_TS 0 Sites
- RCRIS_CA 3 Sites
- CERCLIS 0 Sites
- NFRAP 1 Site
- RCRIS_LG 0 Sites
- RCRIS_SG 1 Site
- ERNS 0 Sites
- HWS 6 Sites
- LRST 1 Site
- SWF 1 Site
- MOSF 0 Sites
- PBS 2 Sites
- CBS 0 Sites
- SPILLS 1 Site
- NASPL 3 Sites

Miles

0 0.25 0.5

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APPENDIX 4

Area Geology and Hydrogeology

3.1.2 Site Geology/Hydrogeology

Heterogeneous fill material overlies native soils across the entire Steel Manufacturing Site. As shown in the cross-section on Figure 3-1, the fill thickness ranges from 6 to 10 feet. At the Former Donner Hanna Coke Yard (Area IV) portion of the site up to 6 feet of coke overlies fill. The fill material is generally coarse-grained and is comprised of mixtures of slag, ash, coal, and construction and demolition debris in a matrix of sand and gravel. The berms on the eastern side of the Steel Manufacturing Site are composed of fill material and are approximately 10 feet in height. Tar material is intermixed with the coke fill in the northwestern portion of Area IV and extends into fill material located in the extreme southwest corner of Area III. The fill material is underlain by native glaciolacustrine sand, silt, and clay. These black to gray unconsolidated sediments are dense and organic-rich, and minor amounts of peat were encountered in soil borings completed in the coke yard area. The presence of peat below the fill material indicates that wetland-type areas were in-filled to create the coke storage yard. Alluvium consisting of black to gray silty sand with traces of clay underlies the fill proximal to the Buffalo River. Information presented in the Remedial Investigation of the Buffalo Color site (1990), located directly across the river from the Steel Manufacturing Site, identified glaciolacustrine silty clay and clayey silt deposits underlying the alluvium and the sand, silt, and clay deposits.

Groundwater occurs in the overburden fill material at relatively shallow depths in the southern portion of the Steel Manufacturing Site (1 to 2 feet below grade) and at depths greater than 10 feet in the northern portion of the site. Due to low permeability, the clay-rich glaciolacustrine deposits underlying the more permeable fill act as a barrier to the vertical migration of groundwater, causing shallow water table conditions and groundwater flow in the fill that is primarily horizontal. The differences in permeability between the two types of material are evidenced in Table 3-1, which shows the results of particle size distribution tests for both fill material and native soil. These tests indicate that the fill material is composed of a much greater fraction of larger particles than the native glaciolacustrine deposits. Additionally, due to the techniques used to collect the soil samples, it was not possible to collect any particles present in the fill with diameters greater than 3 inches. These

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tests, therefore, do not quantify the size of construction and demolition debris such as cobble-sized bricks that are present in the fill.

Plate 3 shows groundwater elevations and inferred flow directions based on depth-to-groundwater measurements collected April 3, 1997. The groundwater in the shallow water-bearing zone migrates toward the Buffalo River in the northern portion of the Steel Manufacturing Site, and towards the south in the southern portion of the Steel Manufacturing Site. The more closely-spaced groundwater isopotential lines in the northern portion of the Steel Manufacturing Site and the greater depth to groundwater indicates a hydraulic connection between the permeable fill and the river. The groundwater in the southern portion of the Steel Manufacturing Site migrates to the south due to a smaller gradient caused by the gradual thinning of the shallow water-bearing zone occurring in the more permeable fill. As the fill thins to the south, the land surface elevation also decreases, causing a gradient to produce groundwater flow towards the lower topographic elevations to the south.

3.1.3 Environmental Sampling Results

The environmental sampling program at the Steel Manufacturing Site included the collection and analysis of soil gas, surface soil, subsurface soil, groundwater and surface water samples. Area-specific sampling and analysis programs were developed for each of the four areas identified in the Phase I ESA to assess potential environmental impacts associated with historic uses of the site. A total of 65 subsurface soil samples, 23 surface soil samples, 3 surface water samples, and 17 groundwater samples were collected and analyzed.

The planned end use for the Steel Manufacturing Site is the development of a mixed light industrial/corporate park (warehousing and distribution focus) (see Appendix A). Large areas of the site will likely be covered by site structures, parking lots and roadways. Therefore, while contamination is present above TAGM 4046 soil clean-up objectives, the detailed analysis of the Phase II ESA data was performed by comparing the data to USEPA Region III Risk-Based Concentrations for industrial sites. Where EPA risk-based concentrations have not been established for certain inorganic parameters, background inorganic parameter concentrations detected in the Truscon property soils located

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immediately north of Area I were identified for comparison. These comparisons served as a screening tool to identify areas/subareas of the site which posed a potential environmental condition. A detailed discussion of the environmental sampling results for each area of the site can be found in the Phase I/Phase II ESA report for the site (Appendix G).

Groundwater investigations performed as part of the Phase II Investigation identified site operations related contaminant concentrations in excess of New York State Class "GA" Groundwater Quality Standards in the shallow groundwater (uppermost saturated zone) present in the on-site fill materials. The contaminants identfied and their concentrations were locally specific to the former steel-making operations. Since groundwater is not used for water supply in South Buffalo, since groundwater yields from fine-grained soils present on the site are low, and since there are no sensitive downgradient receptors, the potential environmental impacts are limited to the on-site fill material and can be mitigated for the intended site use through source removal and treatment or containment of highly contaminated soil/fill, possibly with groundwater collection/treatment (Area II only), if warranted. Therefore, this discussion of site conditions focuses on surficial and subsurface soil contamination. A summary of the findings for each area (see Figure 3-2) of the Steel Manufacturing Site is presented in the following subsections.

3.1.3.1 Area I - Former Steel Plant Parcel

Surface soil sampling results identified concentrations of several PAH compounds above EPA risk-based concentrations in over half of the samples analyzed; however only a limited number of surface samples were collected and analyzed relative to the size of the Area.

Subsurface soil sampling during the Phase II ESA identified three subareas with subsurface soil contamination. These three subareas include:

- The former machine shop/electric shop subarea (Subarea E).
- The former fuel oil storage subarea (Subarea K).
- The tar/fuel oil underground piping subarea (Subarea L).

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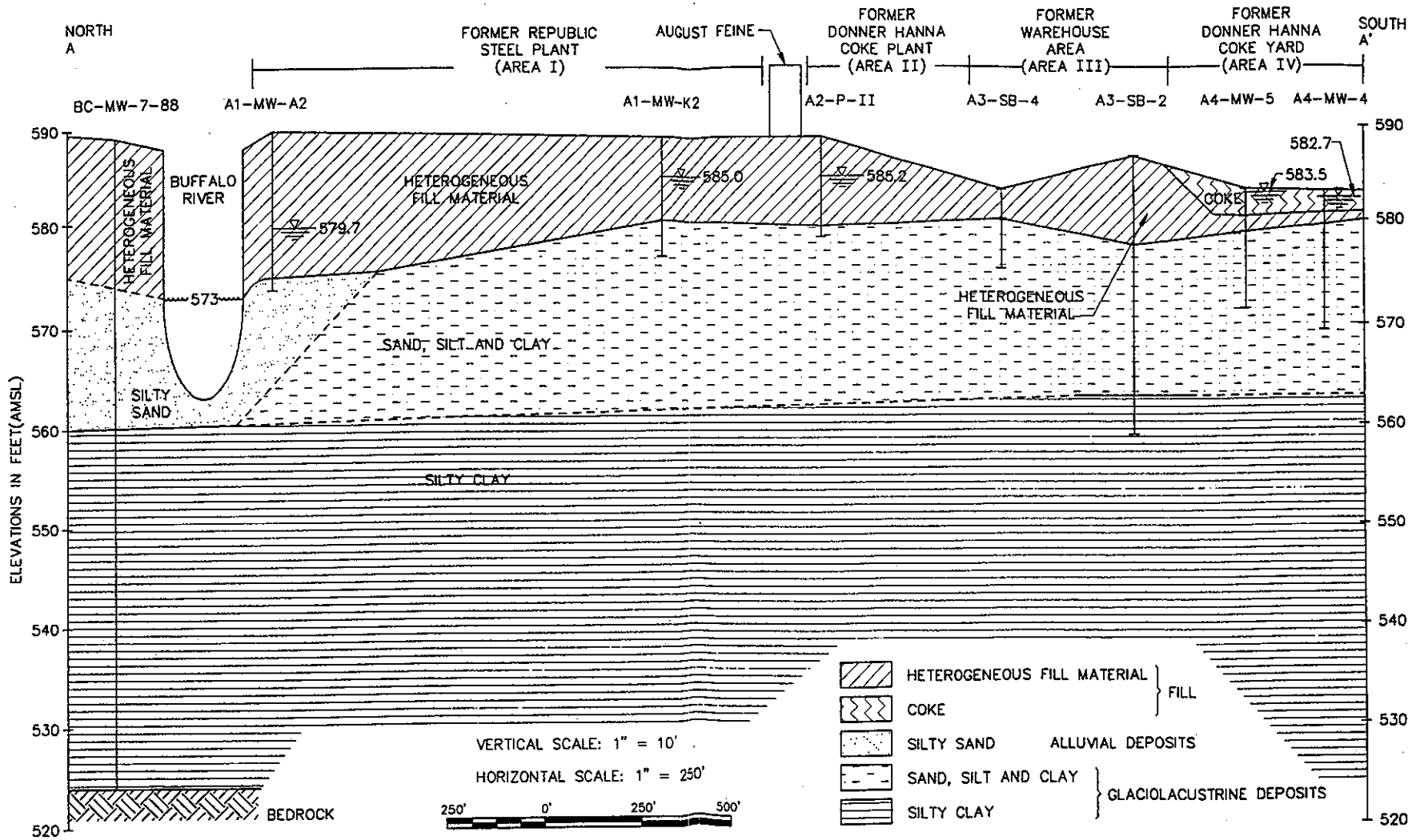
FIGURE 3-



7519 0848263302 I:\ACAD\PROJ\0848263\FIG4-2A Scale: 1:1 Date: 08/27/1997 Time: 13:22

MALCOLM PIRNIE

FIG4-2A

STEEL MANUFACTURING SITE
FORMER REPUBLIC STEEL PLANT AREA
VOLUNTARY CLEANUP SITE ASSESSMENT REPORT
GEOLOGIC CROSS SECTION ALONG LINE A-A'

LTV STEEL COMPANY
BUFFALO, NEW YORK

JUNE 1

APPENDIX 5

SANBORN MAP LEGEND

CODING OF NON-RESIDENTIAL FIRE-RESISTIVE STRUCTURAL UNITS FOR FIREPROOF AND NON-COMBUSTIBLE BUILDINGS

FRAMING

CODE	STRUCTURAL UNIT
A.	Reinforced Concrete Frame.
B.	Reinforced Concrete Joists, Columns, Beams, Trusses, Arches, Masonry Piers.
C.	Protected Steel Frame.
D.	Individually Protected Steel Joists, Columns, Beams, Trusses, Arches.
E.	Indirectly Protected Steel Frame.
F.	Indirectly Protected Steel Joists, Columns, Beams, Trusses, Arches.
G.	Unprotected Steel Frame.
H.	Unprotected Steel Joists, Columns, Beams, Trusses, Arches.
O.	Masonry Bearing Walls only.

FLOORS

CODE	STRUCTURAL UNIT
1.	Reinforced Concrete. Reinforced Concrete with Masonry Units. Pre-cast Concrete or Gypsum Slabs or Planks.
2.	Concrete on Metal Lath, Incombustible Form Boards, Paper-backed Wire Fabric, Steel Deck, or Cellular, Ribbed or Corrugated Steel Units.
3.	Open Steel Deck or Grating.
3.	Open Steel Deck or Grating.

The following change affecting structural and non-combustible buildings became effective May 5, 1962

1. The coding for flooring, floor and roof structural units is unchanged.
2. Fireproof buildings with interior walls are classified as FP with appropriate wall construction and roofing the wall construction

ROOF

CODE	STRUCTURAL UNIT
a.	Reinforced Concrete. Reinforced Concrete with Masonry Units. Reinforced Gypsum Concrete. Pre-cast Concrete or Gypsum Slabs or Planks.
b.	Concrete or Gypsum on Metal Lath, Incombustible Form Boards, Paper-backed Wire Fabric, Steel Deck, or Cellular, Ribbed or Corrugated Steel Units.
c.	Incombustible Composition Boards with or without Insulation. Masonry or Metal Tiles.
d.	Steel Deck, Corrugated Metal or Asbestos Protected Metal with or without Insulation.

The coding to left, for framing, floor and roof structural units is used in describing the construction of fire-resistive buildings. In addition, reports for fire-resistive buildings will show the date built, wall construction other than brick, and ceilings.

FP-1962 (CONC.) A-1-a — A fireproof building built in 1962 with concrete walls and reinforced concrete frame, floors and roof.

FPX-1962 (PANEL MFRS.) B-2-a (CONCRETE BLOCK) — A fireproof building built in 1962 with metal panel walls, reinforced concrete columns and beams, concrete floors on metal lath and gypsum slab roof; non-combustible ceilings.

NC-1962 (C.B.) H-2-d — A noncombustible building built in 1962 with concrete block walls; unprotected steel columns, beams and joists; concrete floors on metal lath and steel deck roof.

GLOSSARY

A - B LINES An arbitrary boundary between adjoining sheets.
A. Private garage.
ABV. Above.
A.F.A. Equipped with fire detecting devices which automatically signal a central fire department.
AIR COND. Air cooling system employing ducts through floors.
APRON WALL A masonry wall extending 3' or less above foundation.
ASSOC. RISK Risk not underwritten by Block Fire Ins. Companies.
BASEMENT A story having its floor below ground & its ceiling at least 4' above ground.
Cook County, Ill.: A floor of a building next below the first floor. Shown by the symbol B following story height. Sub-basements or sub-cellars, floors below the 1st basement, are shown by the symbol SB following basement symbol.
CHIMNEYS (Applicable to maps in Rocky Mountain & Pacific Coast States)
BC. Brick, stone, concrete brick & concrete chimneys.
C.B.L.C. Concrete block chimney.
X. Non-standard concrete chimney.
T.C. Tile chimney.
P.C. Patent chimney.
I.CH. Iron chimneys.
S.P. Stove pipe.
S.P.V. Stove pipe with patent ventilator.

RESIDENTIAL OCCUPANCY SYMBOLS
D. Single family unit or as qualified by a numeral.
F. - APTS. A multi-family residential building corresponding with local Rating Bureau definition in family units per floor, story height, & separation of entrance.
ROOM'G. A residential building normally occupied by a single family but with 10 or more rooms rented for lodging purposes.
EXCEPTIONS 6 rooms in Arizona, California, Nevada, Utah & Montana, 5 rooms in Oregon & Washington, 4 rooms in Idaho & Hawaii.

FIRE RESISTIVE CONSTRUCTION SYMBOLS
F.P. Approved masonry walls, floors & roof, interior supports of approved masonry, concrete, and/or protected steel.
F.P.X. F.P. qualifications except interior or sub-standard walls.
N.C. Fire resistive with unprotected structural steel units.
HOLLOW WALL A bonded masonry wall having a continuous air space within.
I.E.P. Independent Electric Plant.
IMPASSABLE Not traversable due to condition of terrain.
LEDGED WALL A masonry bearing wall with extended ledges to support floors.
LOFT Tenanted by industrial occupantes.
M.L.&P. Concrete or plaster applied to metal lath on wood studdings.
M.S.&G. Metal sash & glass.
NOTOPEN Streets appearing on records but not open on ground.
O.L. Windows overlooking the roof above the corresponding floor of an adjoining building.
O.U. Open between ground and first floor.
PILAST'D. Masonry reinforcing columns in walls.
SKYLT. Skylights.
S. OF. Slate attached to wood siding.
SM. HO. Smoke House.
STABLE Shown by crossing diagonal lines on diagram.
SUSPND. Suspended ceilings below floor and/or roof beams.
SYST. System.
TRANSF. Transformer.
WD. Wood.

MASONRY CONSTRUCTION

Important interior and all exterior masonry walls of all non-residential buildings are shown with weighted (——) lines.

Masonry walls of residential buildings are shown with a standard line and the construction is noted on all buildings diagramed after July, 1953.

WALLS

- 8" Brick
- 12" Concrete
- 16" & 20" Stone
- 12" & 8" Hollow Tile Wall Thicknesses Placed Relative to Respective Floors
- Cinder, Concrete or Cement Brick
- Hollow Cinder or Concrete Blocks, Pilastered
- Mixed Construction of Concrete Blocks, Brick Faced
- Mixed Construction of Concrete Blocks & Brick
- Masonry Walls, Metal Faced
- Adobe
- Hollow Cinder or Concrete Block Interior Wall Basement to Roof
- Tile Interior Wall Basement to Roof
- Cement Brick End Wall

PARTITIONS

- Frame
- Tile from Foundation to Top Ceiling only
- Concrete 1st Floor only
- Hollow Cinder or Concrete Block 1st Floor only
- Brick 2nd Floor only
- Tile 1st & 3rd Floors only

OPENINGS

(Interior)	(Exterior)
Wall with No Openings	
Wall with Double Standard Fire Doors 1st Floor	1st Floor
Wall with Standard Fire Door Basement	1st & 2nd Floors
Wall with Substandard Fire Doors 1st & 3rd Floors	3rd Floor
Wall with Metal & Wired Glass Fire Doors all Floors	1st & 4th Fl. with Metal Shutter 1st.
Wall with Substandard Fire Doors 1st, 2nd & 3rd Floors & Unprotected Opening 4th Floor	10th & 22nd only
	10th to 22nd Fl.
Wall with Small Unprotected Openings only	Glass Block
Wall with Unprotected Openings all Floors	Wired Glass in Metal Sash 2nd & 3rd Fl.

NON-MASONRY CONSTRUCTION

Non-masonry walls are shown with fine (——) lines.
(Wall construction other than wood and stucco on wood frame is noted)

- Wood & Stucco & Cement Plaster, Etc. on Wood Frame
- Brick Veneered on Wood Frame (Other Types of Veneered on Wood Frame Specifically Noted)
- Mixed Masonry & Non-Masonry (Type of Masonry Specifically Noted)
- Wood, Brick Lined, Br. Filled or Brick Nogged
- Wood Sash & Glass
- Metal Sash & Glass
- Metal Clad on Wood Frame
- Iron Building
- Iron Building with Wood Roof, (Location of Extensive Wood Areas Specifically noted)
- Asbestos Clad on Wood Frame, Noted in Non-Residential Structures only.
- Mixed Wall--8" of CB With Metal Sash Above
- Metal Panels
- Apron Walls With Wood Sash and Glass
- Stucco, Cement Plaster, Etc. on Steel Frame
- Gunite on Steel Frame
- Asphalt and/or Asbestos Protected Metal on Steel Frame
- Asphalt and/or Asbestos Protected Metal on Wood Frame
- Glass Panels

FIRE PROTECTION

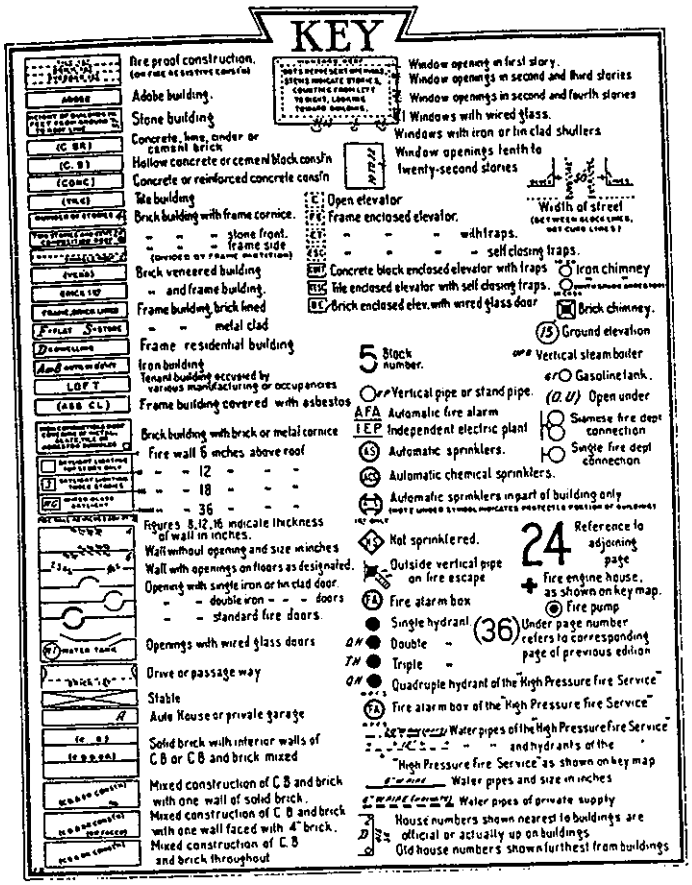
- Fire Department Connection
- Automatic Sprinklers throughout contiguous sections of single risk
- Automatic Sprinklers all floors of building
- Automatic Sprinklers in part of building only (Note under Symbol indicates protected portion of building)
- Not Sprinklered
- Automatic Chemical Sprinklers
- Chemical Sprinklers in part of building only (Note under Symbol indicates protected portion of building)
- Vertical Pipe or Stand Pipe
- AFA Automatic Fire Alarm
- Water Tank
- Outside Vertical Pipe on fire escape
- Fire Alarm Box Noted "HPFS" on High Pressure Fire Service
- Single Hydrant
- D.H. Double Hydrant
- T.H. Triple Hydrant
- Q.H. Quadruple Hydrant of the High Pressure Service
- HPFS Water Pipes of the High Pressure Service
- Water Pipes of the High Pressure Service as Shown on Key Map
- Public Water Service
- Private Water Service

VERTICAL OPENINGS

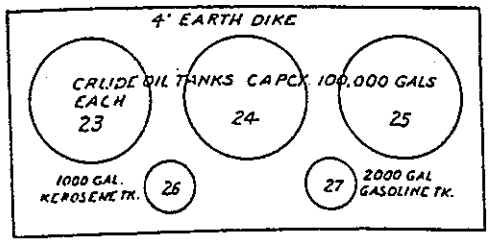
- Skylight lighting top story only
- Skylight lighting 3 stories
- Skylight with Wired Glass in Metal Sash
- Open Elevator
- Frame Enclosed Elevator
- Frame Enclosed Elevator with Traps
- Frame Enclosed Elevator with Self Closing Traps
- Concrete Block Enclosed Elevator with Traps
- Tile Enclosed Elevator with Self Closing Traps
- Brick Enclosed Elevator with Wired Glass Door
- Open Hoist
- Hoist with Traps
- Open Hoist Basement to 1st
- Stairs

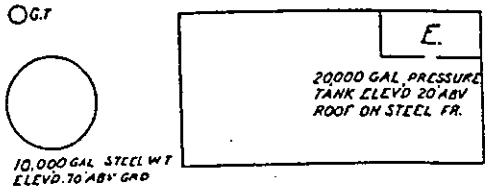
MISCELLANEOUS

- Number of Stories; Height in Feet; Composition Roof Covering
- Parapet 6" above Roof; Frame Cornice; Parapet 12" above Roof
- Parapet 24" above Roof; Occupied by Warehouse; Metal, Slate, Tile or Asbestos Shingle Roof Covering; Parapet 48" above Roof
- 2 Stories & Basement; 1st Floor Occupied by Store; 2 Residential Units above 1st; Auto in Basement; Drive or Passageway; Wood Shingle Roof
- Iron Chimney
- Brick Chimney
- Iron Chimney (with Spark Arrestor)
- G.T. Gasoline Tank
- Vertical Steam Boiler
- Fire Pump
- Horizontal Steam Boiler
- Width of Street between Block Lines, not Curb Lines
- Ground Elevation
- House numbers nearest to Buildings are Official or Actually up on Buildings. Old House Numbers are Farthest from Buildings
- 24 Reference to Adjoining Page
- 5 Block Number
- Fire Department as shown on Key Map



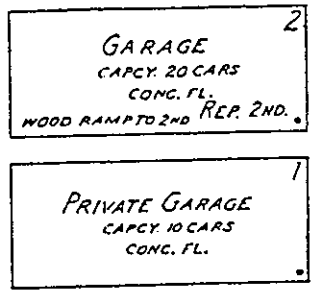
TANKS G.T. Gasoline Tank





FUEL OIL LINE

Fire Cistern



CODING OF STRUCTURAL UNITS FOR FIREPROOF AND NON-COMBUSTIBLE BUILDINGS

FRAMING

CODE	STRUCTURAL UNIT
A.	Reinforced Concrete Frame.
B.	Reinforced Concrete Joists, Columns, Beams, Trusses, Arches, Masonry Piers.
C.	Protected Steel Frame.
D.	Individually Protected Steel Joists, Columns, Beams, Trusses, Arches.
E.	Indirectly Protected Steel Frame.
F.	Indirectly Protected Steel Joists, Columns, Beams, Trusses, Arches.
G.	Unprotected Steel Frame.
H.	Unprotected Steel Joists, Columns, Beams, Trusses, Arches.
O.	Masonry Bearing Walls.

FLOORS

CODE	STRUCTURAL UNIT
1.	Reinforced Concrete. Reinforced Concrete with Masonry Units. Pre-cast Concrete or Gypsum Slabs or Planks.
2.	Concrete on Metal Lath, Incombustible Form Boards, Paper-backed Wire Fabric, Steel Deck, and Cellular, Ribbed or Corrugated Steel Units.
3.	Open Steel Deck or Grating.

LAND USE CODE APPLICABLE TO CHANGES DIAGRAMMED AS OF 5/62

R	RESIDENTIAL	M	MANUFACTURING
RT	RESIDENTIAL + TRANSIENT	P	PUBLIC OR INSTITUTIONAL
C	COMMERCIAL	U	UTILITY
W	WAREHOUSE	T	TRANSPORTATION

NUMERICAL PREFIX INDICATES THE NUMBER OF ESTABLISHMENTS IN EACH CATEGORY

ROOF

CODE	STRUCTURAL UNIT
a.	Reinforced Concrete. Reinforced Concrete with Masonry Units. Reinforced Gypsum Concrete. Pre-cast Concrete or Gypsum Slabs or Planks.
b.	Concrete or Gypsum on Metal Lath, Incombustible Form Boards, Paper-backed Wire Fabric, Steel Deck, and Cellular, Ribbed or Corrugated Steel Units.
c.	Incombustible Composition Boards with or without Insulation. Masonry or Metal Tiles.
d.	Steel Deck, Corrugated Metal or Asbestos Protected Metal with or without Insulation.

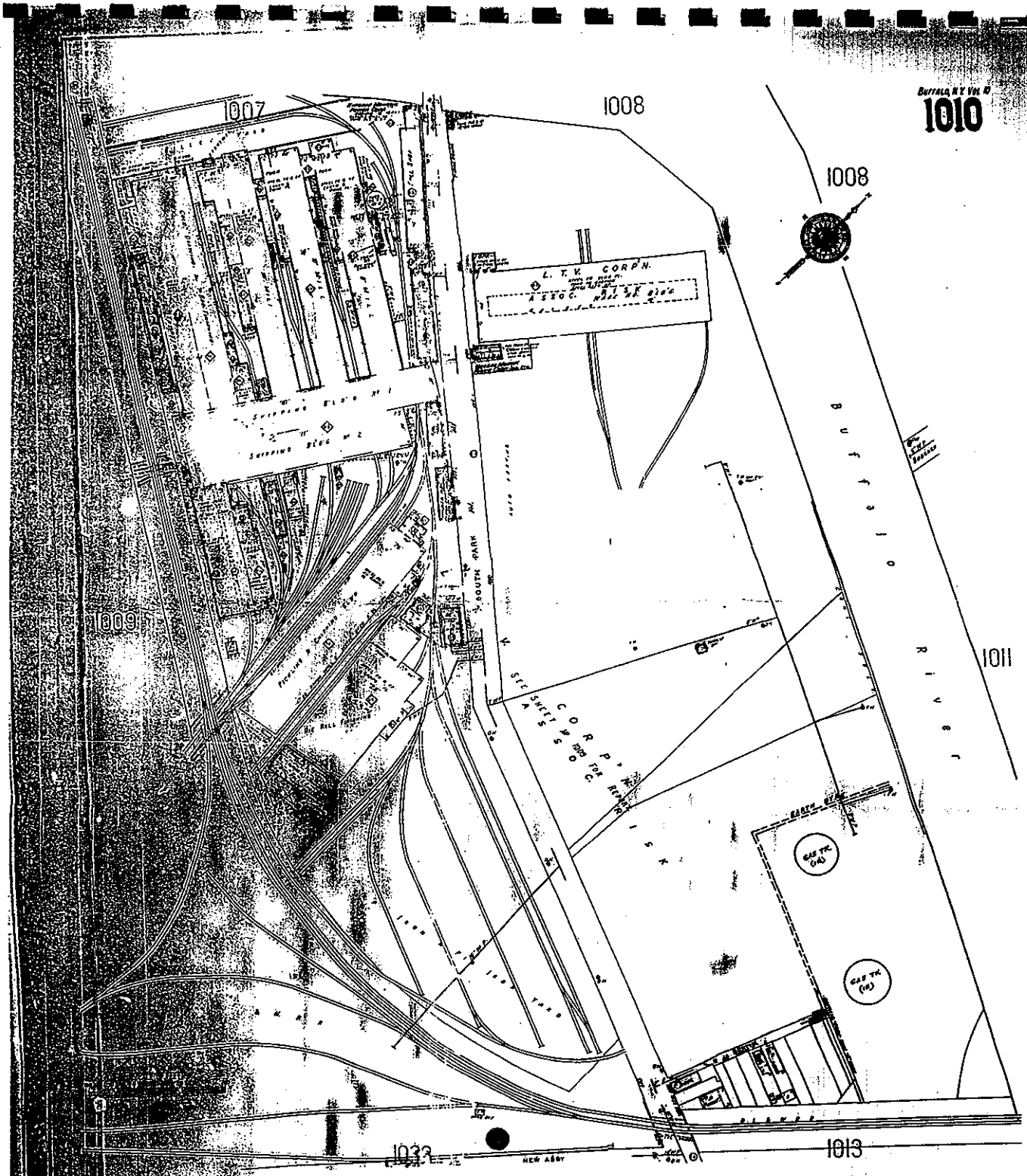
The coding for framing, floor and roof structural units as shown above is used in describing the construction of fire-resistive buildings. In addition, reports for fire-resistive buildings will show the date built and wall construction when other than brick.

F P buildings have masonry floors and roof; concrete and/or directly or indirectly protected steel framing; and clay brick, stone or poured concrete walls.

F P X buildings are F P buildings with inferior walls such as concrete block, cement brick, metal or glass panels, etc.

N C buildings have unprotected steel framing and fire-resistive but non-masonry floors and roof.

FP-1962 (CONC.) A-1-a	A fire-resistive building built in 1962 with concrete walls and reinforced concrete frame, floors and roof.
FPX-1962 (METAL PANELS) E-2-b NONCOMB CEIL'G	A fire-resistive building built in 1962 with metal panel walls, indirectly protected steel frame, concrete floors and roof on metal lath, noncombustible ceilings.
NC-1962 (C.B.) H-2-d	A noncombustible building built in 1962 with concrete block walls; unprotected steel columns and beams; concrete floors on metal lath and steel deck roof.



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1966

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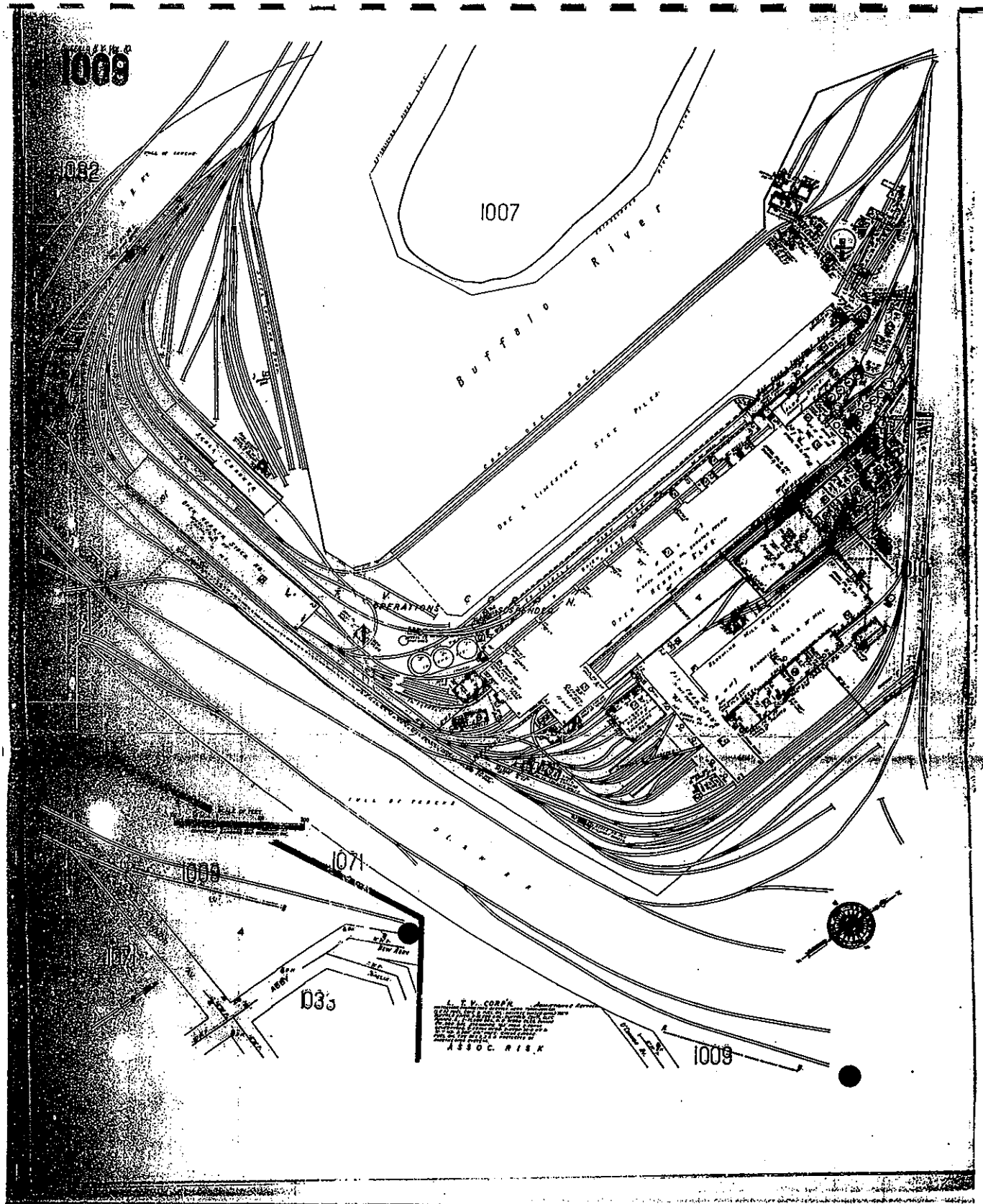

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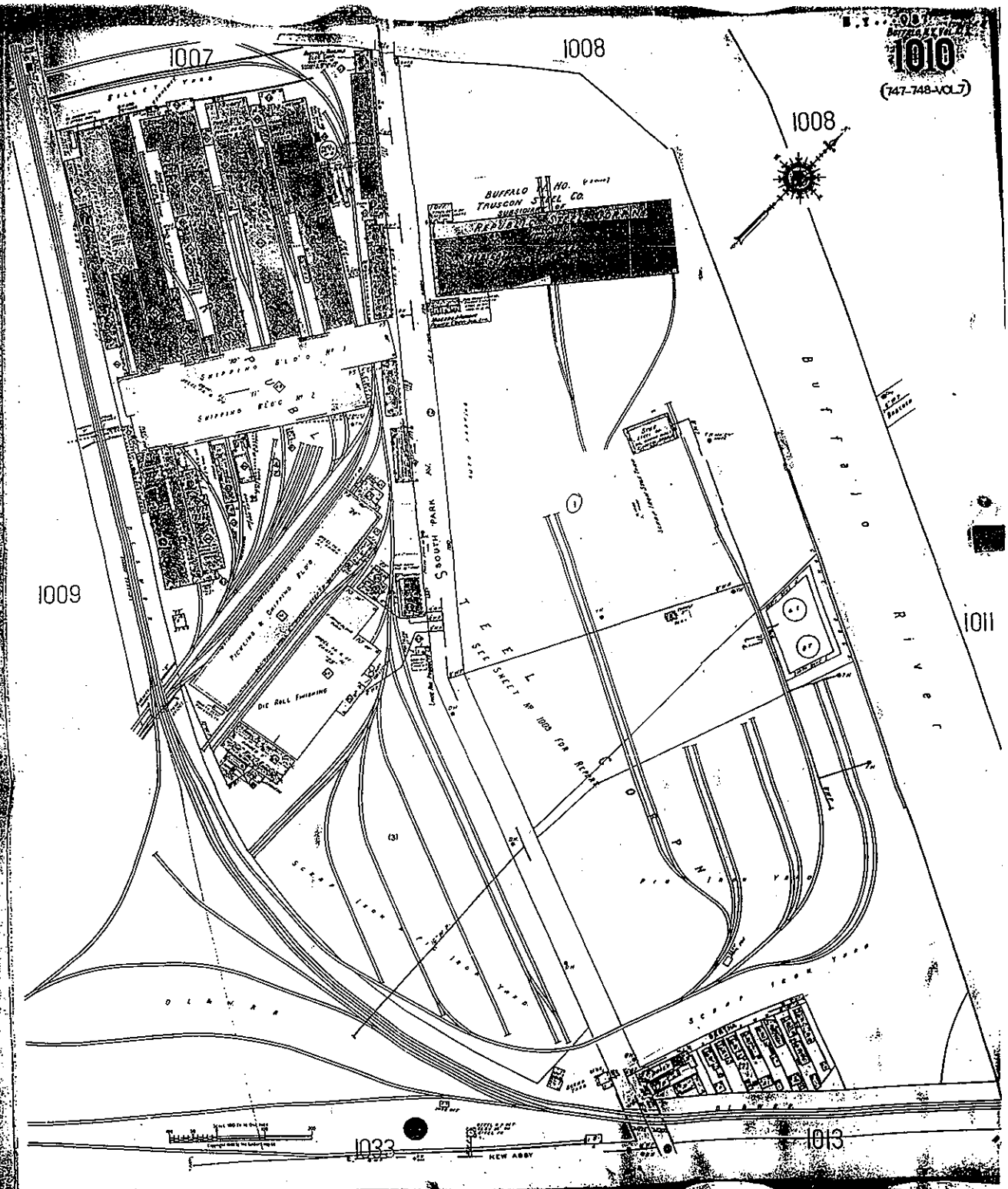
1946



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1950

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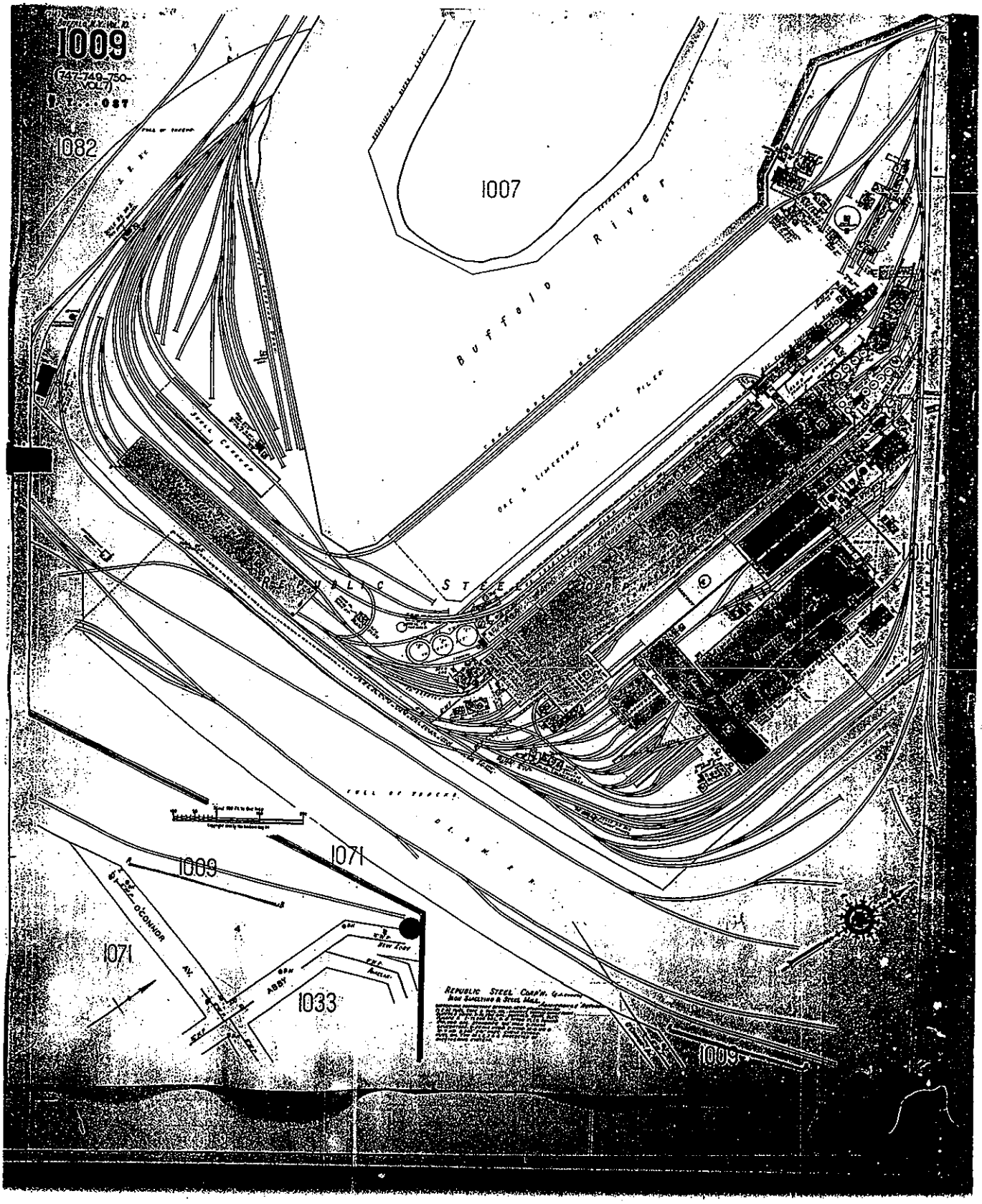

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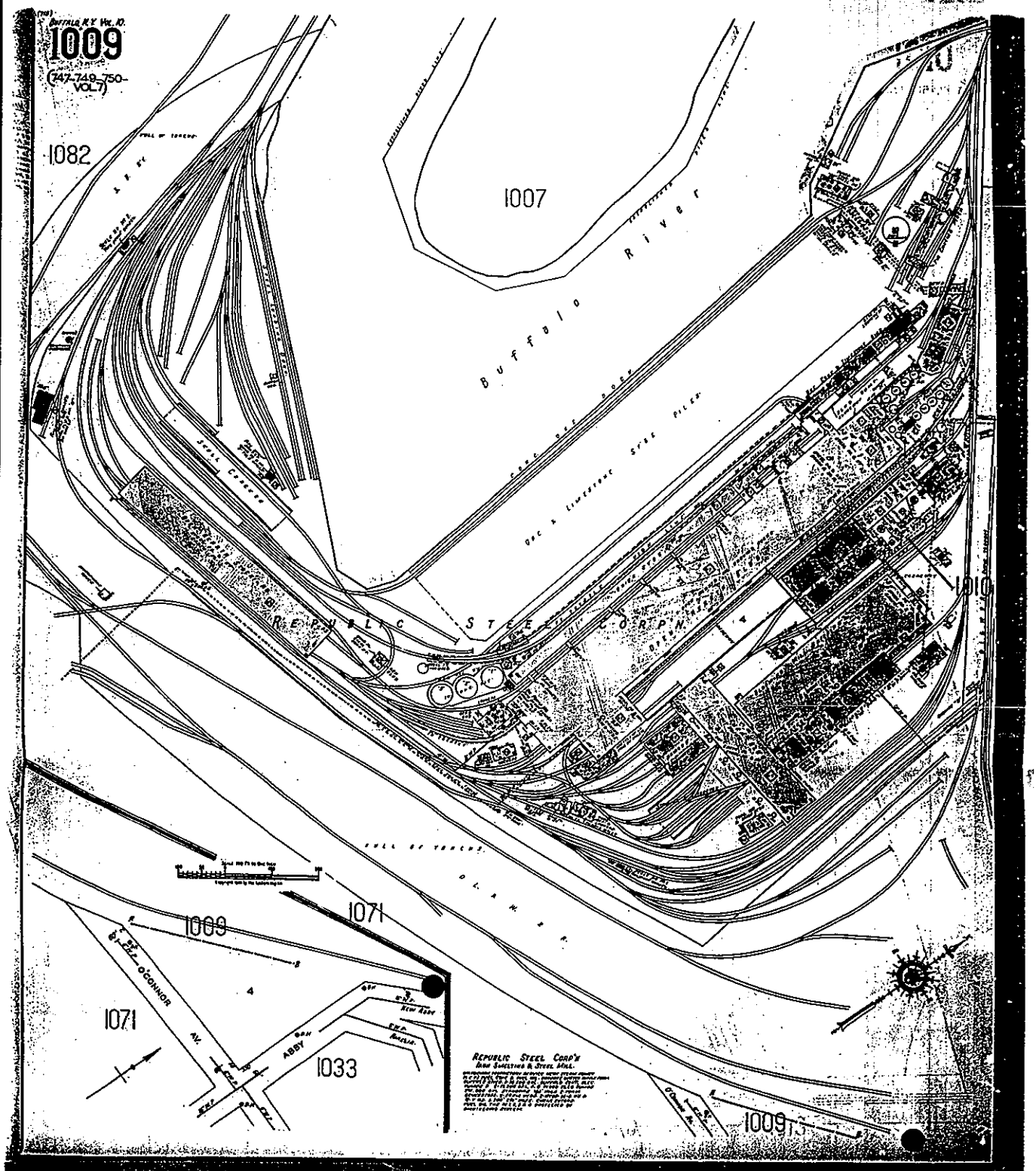

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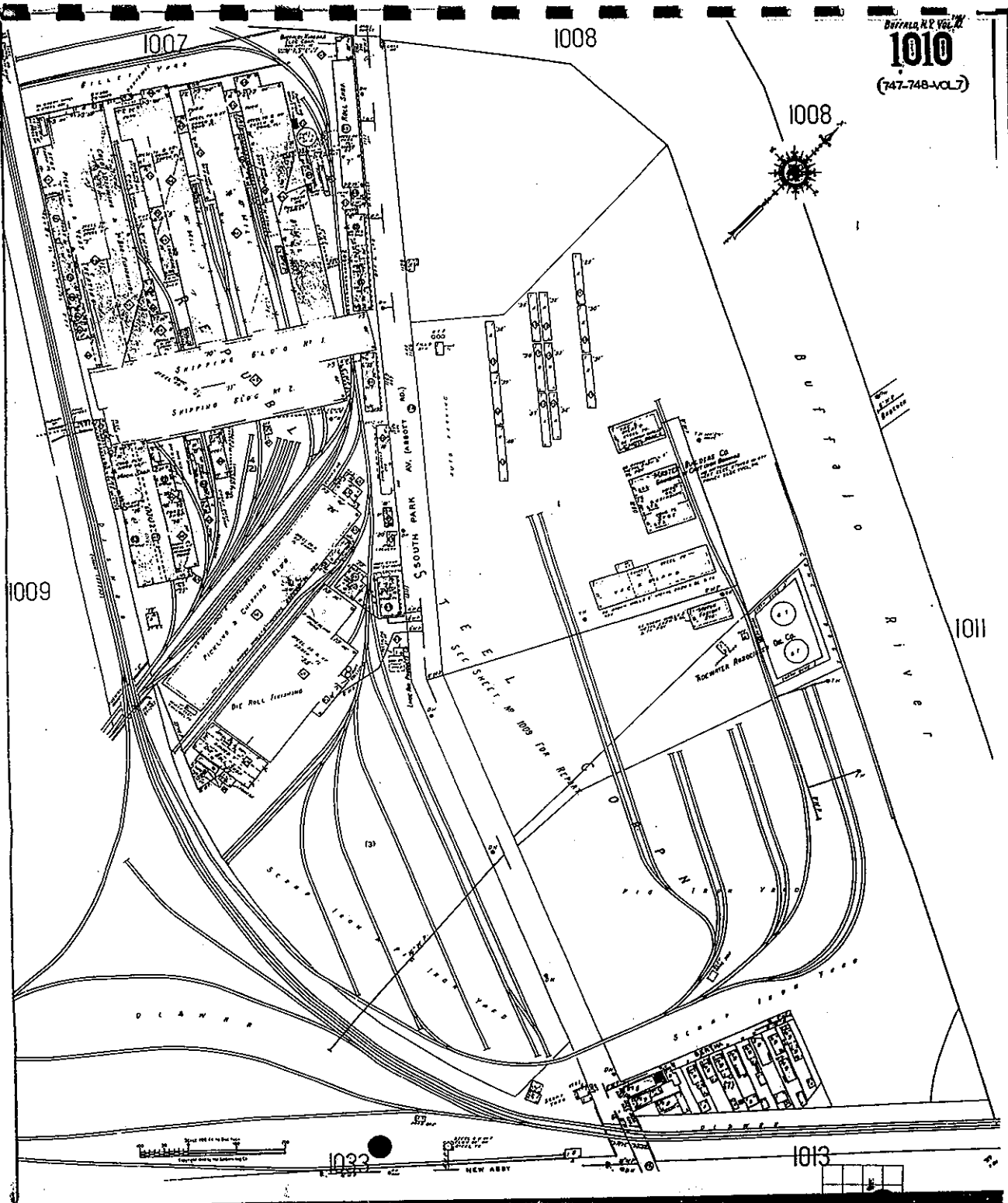

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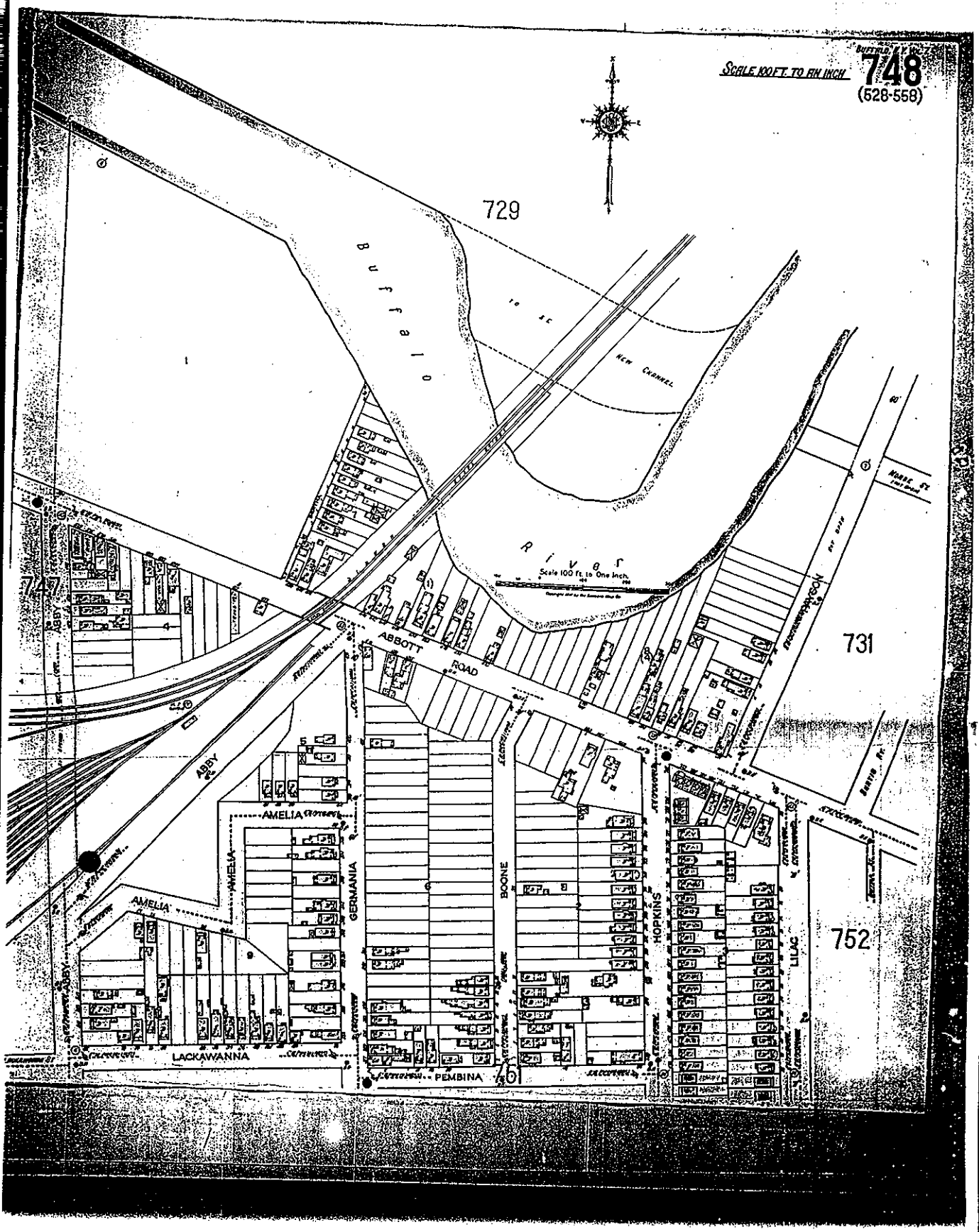
1940

SANBORN



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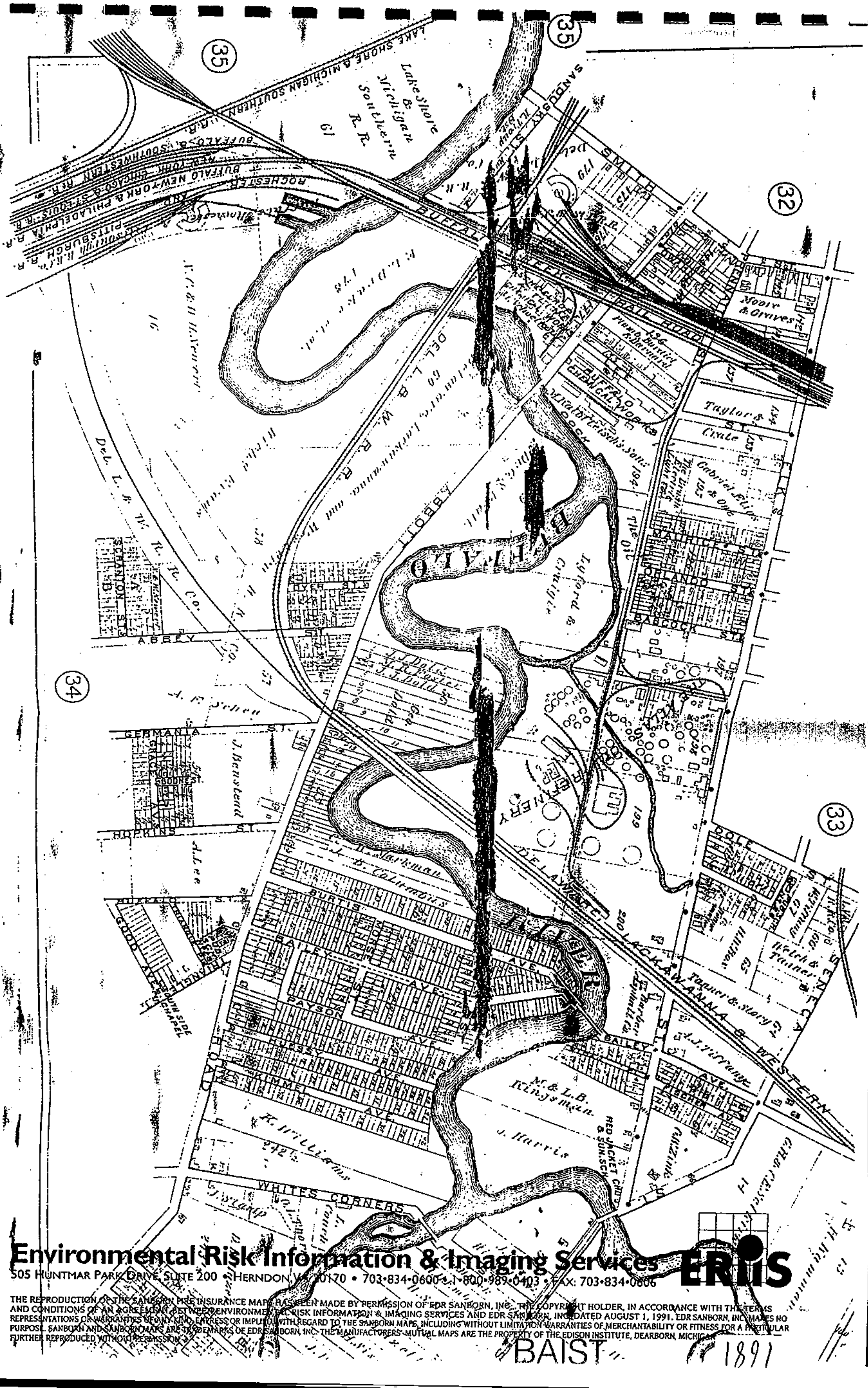
1917



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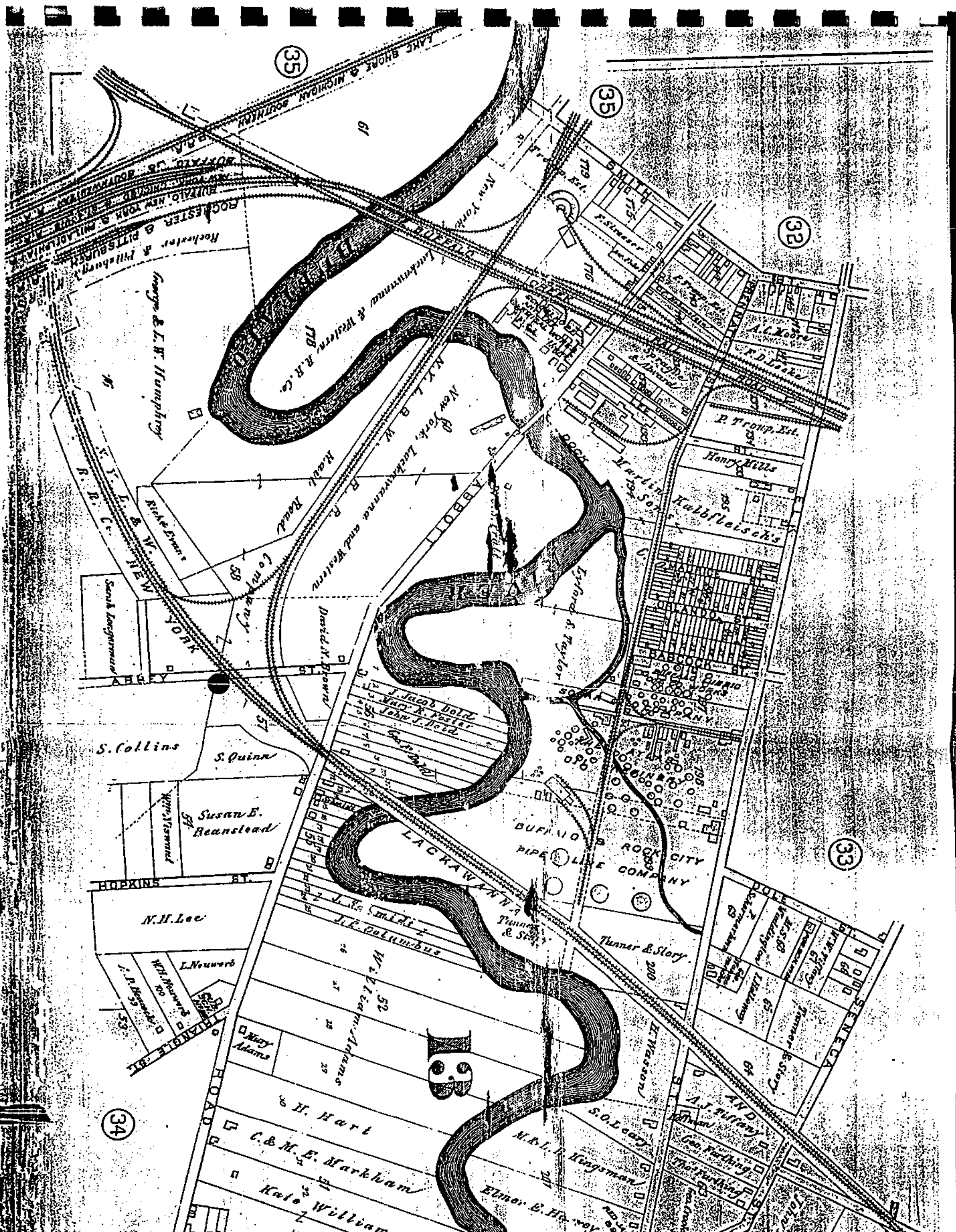

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