SDMS Document
94348

Review of Evidence Compiled on
Potentially Responsible Parties of the
Passaic River Study Area:

CRUCIBLE STEEL CORPORATION
GUYON PIPE COMPANY, INC.
1000 SOUTH FOURTH STREET
HARRISON, NJ 07029

Crucible — 1973 CLT Crucible Materials Corp
104(e)

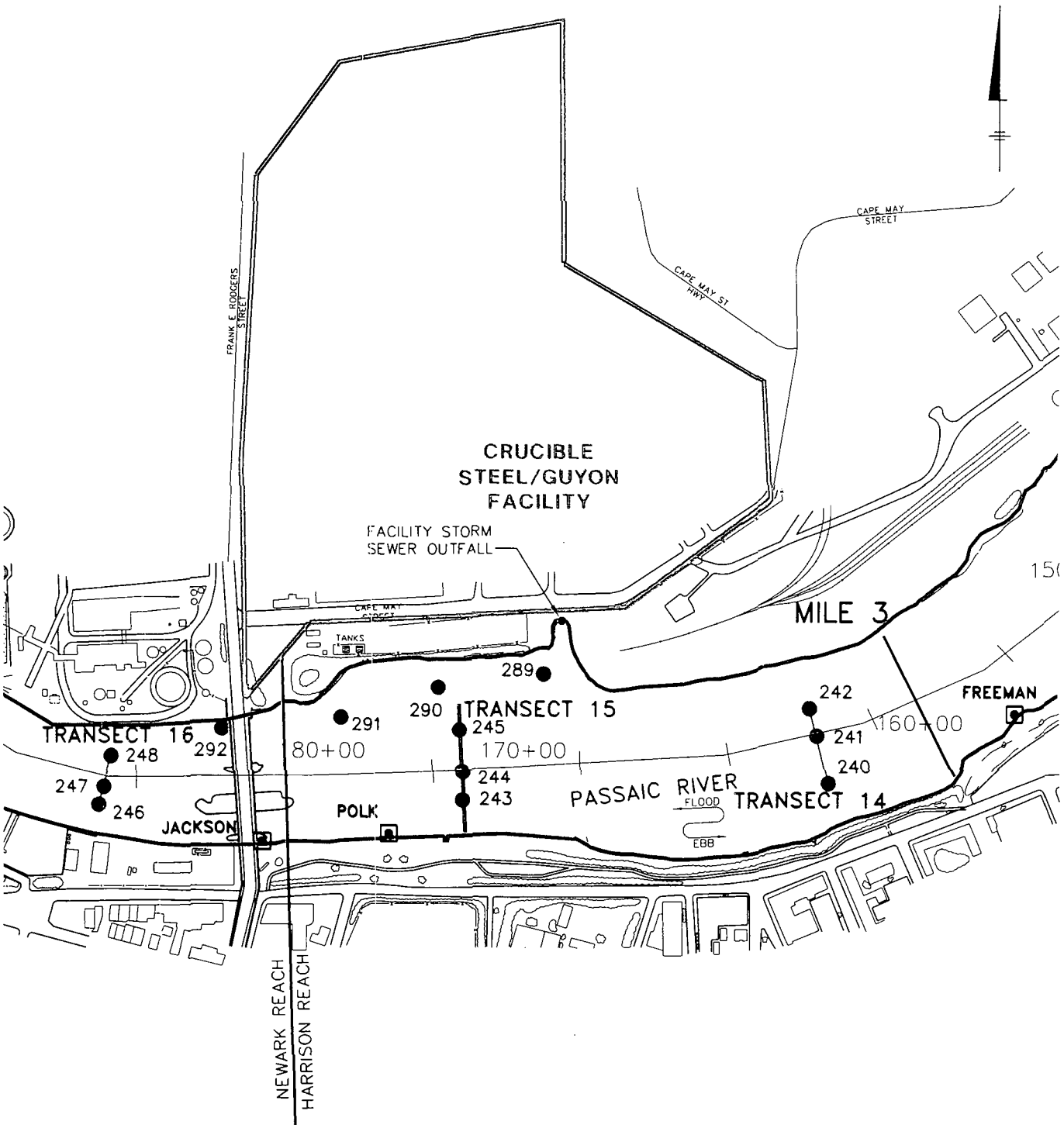
Guyon – circa ? 1947 →

PVSC → only discharge:
alleged tenant discharge

U. S. EPA Region II – Chemical Land Holdings, Inc.
Working Meeting

February 12, 2002

943480001



LEGEND:

- APPROXIMATE FACILITY BOUNDARY
- SHORELINE
- CSO/OUTFALL
- RI SAMPLING TRANSECT
- 270 SEDIMENT SAMPLING LOCATION
- TRIBUTARY OR DISCHARGE ROUTE TO THE PASSAIC RIVER

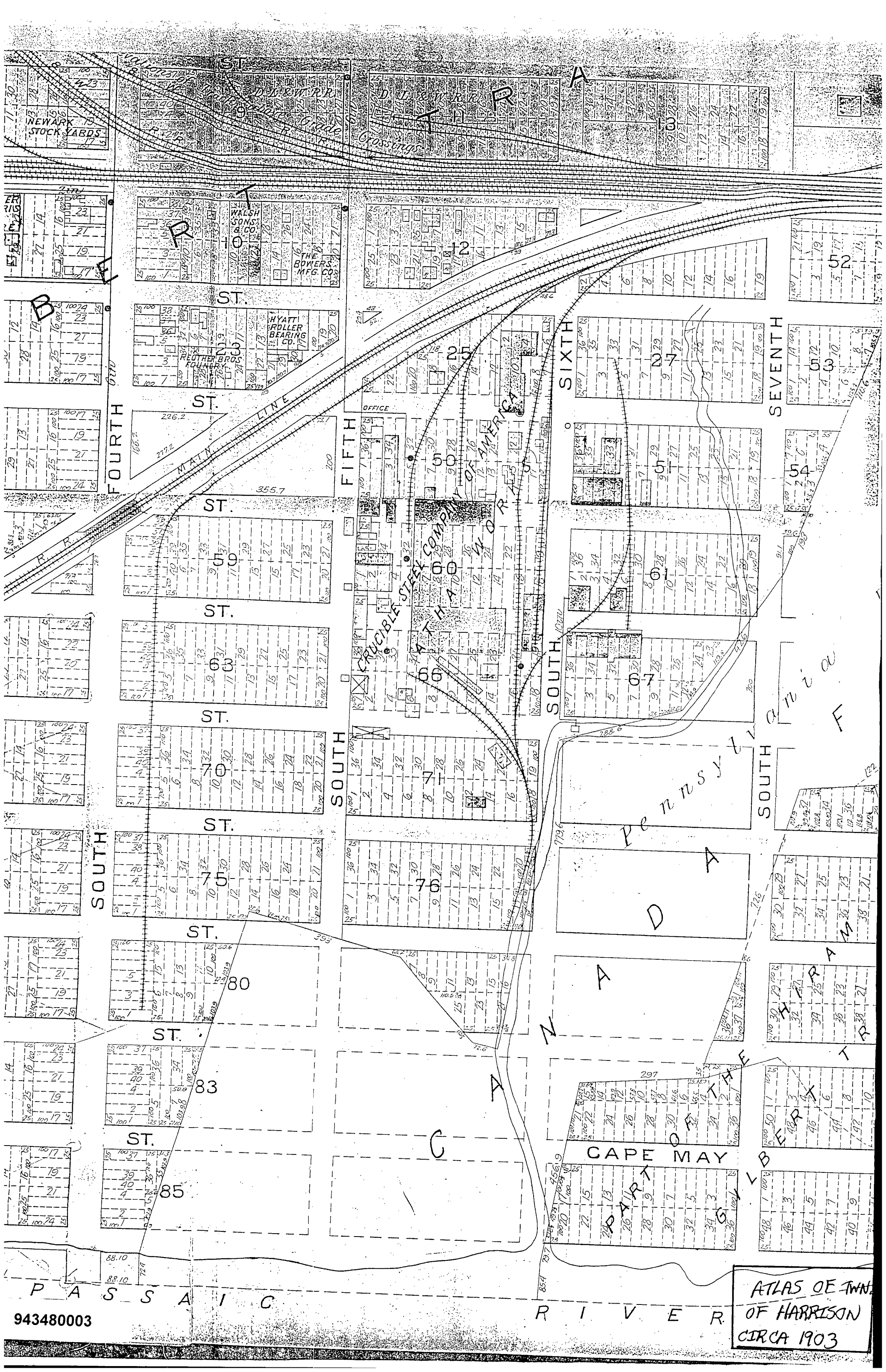
0 500' 1000'
GRAPHIC SCALE

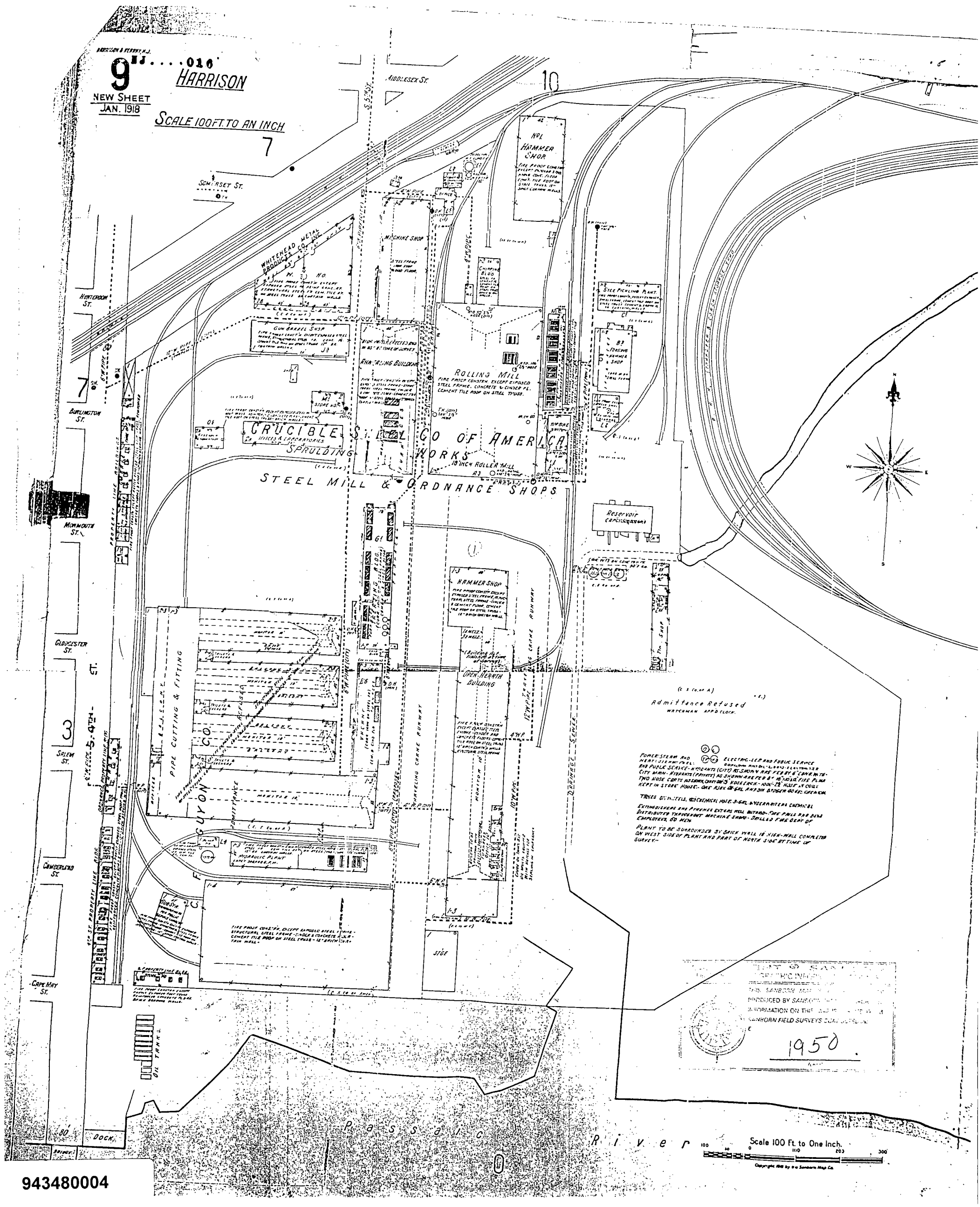
X: 09994X02.DWG, 09994X03.DWG
L: ON=*, OFF=REF
P: PAGESET/PLT-AP
2/8/02 SYR-54-LJP DJP LJP
09994023/09994B04.DWG

SITE LOCATION MAP

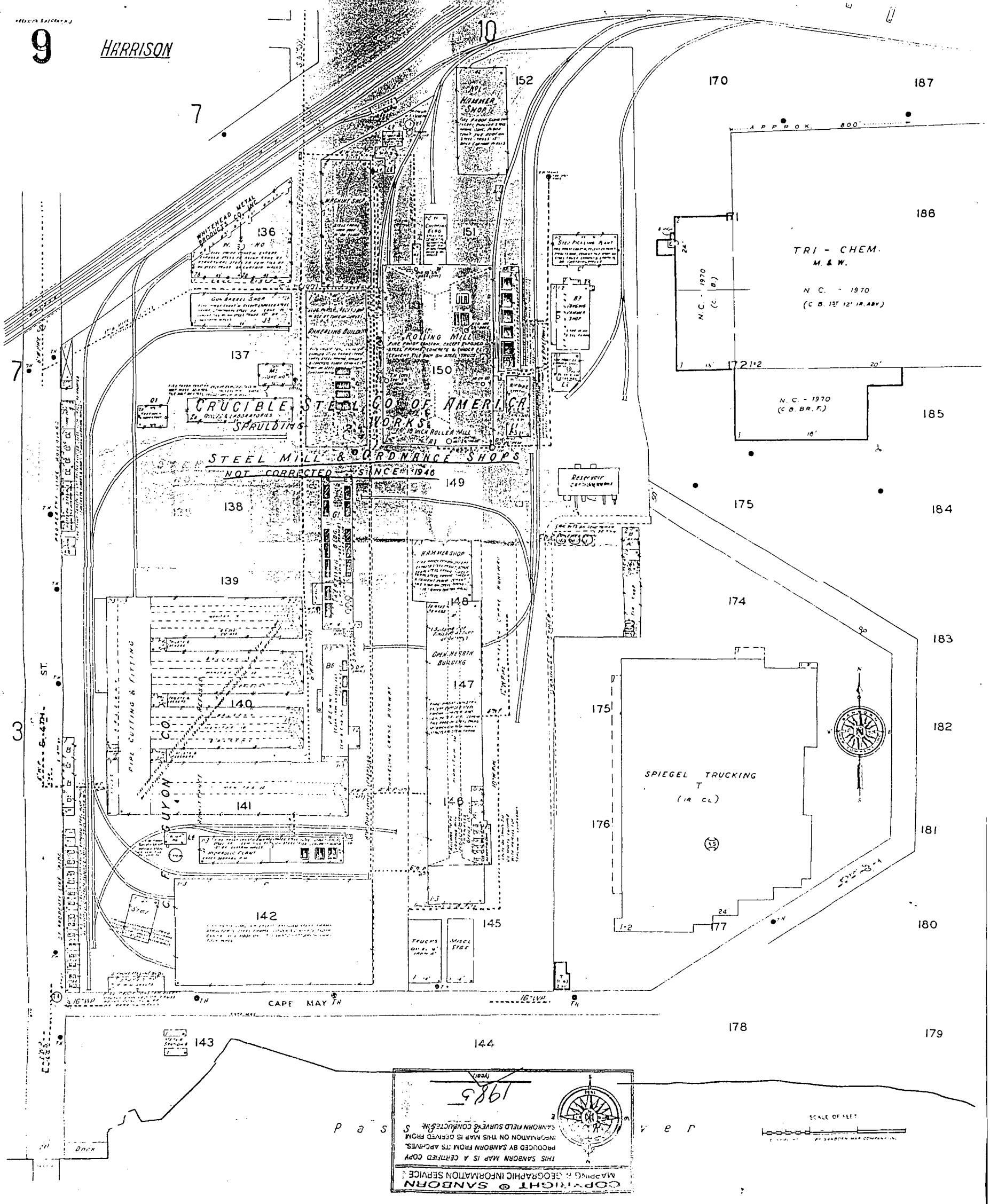
CRUCIBLE STEEL/ GUYON FACILITY

943480002


D L & W R R
Grade Crossings
NEWARK STOCK YARDS
WALSH SONS & CO.
THE BOWERS MFG. CO.
HYATT ROLLER BEARING CO.
REUTHER BROS FOUNDRY
MAIN LINE
OFFICE
CRUCIBLE STEEL COMPANY OF AMERICA
WORKS
FOURTH
FIFTH
SIXTH
SEVENTH
SOUTH
ST.
Pennsylvania
DANA
CAPE MAY
PARTOR
PASSAIC
RIVER
943480003
ATLAS OF TWN. OF HARRISON CIRCA 1903


9 NJ 016
HARRISON
NEW SHEET
JAN. 1918
SCALE 100 FT. TO AN INCH
MIDDLESEX ST.
SOMERSET ST.
HUNTERDON ST.
BURLINGTON ST.
MONMOUTH ST.
GLOUCESTER ST.
CAMBERLAND ST.
CAPE MAY ST.
SALEM ST.
4TH ST.
WHITEHEAD METAL PRODUCTS CO. INC.
MACHINE SHOP
NO. 1 HAMMER SHOP
STEEL PICKLING PLANT
GUN BARREL SHOP
ROLLING MILL
FIRE PROOF CONSTRUCTION EXCEPT EXPOSED STEEL FRAME. CONCRETE & CINDER FL. CEMENT TILE ROOF ON STEEL TRUSS.
STORE HO.
CRUCIBLE STEEL CO OF AMERICA
OFFICES & LABORATORIES
SPRULDING WORKS
18" INCH ROLLER MILL
STEEL MILL & ORDNANCE SHOPS
Reservoir
HAMMER SHOP
OPEN HEARTH BUILDING
HAVELING CRANE RUNWAY
PIPE CUTTING & FITTING
MONITOR 10
HYDRAULIC PLANT
Admittance Refused
WATCHMAN APP'D CLOCK.
POWER: STEAM AND HEAT: STEAM FUEL: ELECTRIC - LEP AND PUBLIC SERVICE AND PUBLIC SERVICE - HYDRANTS (CITY) AS SHOWN ARE FED BY 6" CAVE IN. CITY MAIN - HYDRANTS (PRIVATE) AS SHOWN ARE FED BY 10" HOSE FIRE PLUG TWO HOSE CARTS AS SHOWN, CARTRIDGE - 3 HOSE EACH - 100 FT. HOSE IN COILS KEPT IN STORE HOUSE - ONE RISK CO. GAL. AND SIX BUCKETS 60 GAL. CHEMICAL
TRUCKS ON WHEELS, 100 CHEMICAL HOSE, 3 GAL. & VOLCANITE CHEMICAL
EXTINGUISHERS AND PYRENE EXTERS. WELL DISTRIBUTED - FIRE PAILS AND BOXES DISTRIBUTED THROUGHOUT MACHINE SHOPS - DRILLS & FIRE DEPT OF EMPLOYES, 200 MEN
PLANT TO BE SURROUNDED BY BRICK WALL 18' HIGH - WALL COMPLETED ON WEST SIDE OF PLANT AND PART OF NORTH SIDE AT TIME OF SURVEY -
OIL TANKS
DOCK
Passaic River
Scale 100 Ft. to One Inch.
1950

943480004


9
HARRISON
10
7
152
170
187
APPROX. 800'
HAMMER SHOP
WHITEHEAD METAL PRODUCTS CO. INC.
136
MACHINE SHOP
151
186
TRI - CHEM.
M. & W.
N. C. - 1970
(C. B. 13' 12' IR. ABV.)
N. C. - 1970
(C. B.)
GUN BARREL SHOP
ANNEALING BUILDING
ROLLING MILL
137
150
172
N. C. - 1970
(C. B. BR. F.)
185
CRUCIBLE STEEL CO. OF AMERICA
SPRULDING
WORKS
STEEL MILL & ORDNANCE SHOPS
NOT CORRECTED SINCE 1946
149
Reservoir
175
184
138
HAMMER SHOP
139
148
174
183
OPEN HEARTH BUILDING
147
140
175
182
PIPE CUTTING & FITTING
GUYON CO.
141
146
176
181
SPIEGEL TRUCKING
(IR. CL.)
142
145
177
180
TRUCKS
MISCL. STGE.
CAPE MAY
178
179
143
144
DOCK
Passaic River
SCALE OF FEET
COPYRIGHT © SANBORN
MAPPING & GEOGRAPHIC INFORMATION SERVICE
THIS SANBORN MAP IS A CERTIFIED COPY
PRODUCED BY SANBORN FROM ITS ARCHIVES.
INFORMATION ON THIS MAP IS DERIVED FROM
SANBORN FIELD SURVEYS CONDUCTED IN
1985

943480005

CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
Inorganics

TRANSECT 16 (Upriver from Site)				
Dates	Core 247	Dates	Core 246	Dates
1995-1989	10.9	C.F.	27	C.F.
[redacted]	ND	C.F.	ND	C.F.
[redacted]	4.6	C.F.	ND	C.F.
[redacted]	4.8	C.F.	5	C.F.
1950-1933	3.1	C.F.	10.2	C.F.
1939-1928	4.7	C.F.	4.2	C.F.
1928-1911				
1995-1989	ND	C.F.	1.1	C.F.
1989-1972	ND	C.F.	ND	C.F.
1972-1961	ND	C.F.	ND	C.F.
1961-1939	ND	C.F.	ND	C.F.
1950-1933	ND	C.F.	ND	C.F.
1939-1928	ND	C.F.	ND	C.F.
1928-1911				
1995-1989	ND	C.F.	3.6	C.F.
1989-1972	ND	C.F.	ND	C.F.
[redacted]	ND	C.F.	ND	C.F.
[redacted]	ND	C.F.	ND	C.F.
1950-1933	ND	C.F.	ND	C.F.
1939-1928	ND	C.F.	ND	C.F.
1928-1911				
1995-1989	64.2	C.F.	297	C.F.
[redacted]	19.5	C.F.	18.6	C.F.
[redacted]	24	C.F.	22.2	C.F.
[redacted]	18.3	C.F.	23.6	C.F.
1950-1933	14.9	C.F.	21.9	C.F.
1939-1928	16.9	C.F.	22.2	C.F.
1928-1911				

ND = Non detect
NA = Not Analyzed
R = Data Rejected

CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
Inorganics

	Site Use	MUDFLATS						TRANSECT 15						TRANSECT 14						
Contaminant		Core 289	Dates	Core 290	Dates	Core 291	Dates	Core 245	Dates	Core 244	Dates	Core 243	Dates	Core 242	Dates	Core 241	Dates	Core 240	Dates	Core 248
Nickel	1530	NA	1995-1961	NA	1995-1961			38.9	1995-1990	37.6	1995-1983	55.3	1995-1987	41	1995-1991	30.2	1995-1989			38.6
(mg/Kg)	soil	NA	1961-1928	NA	1961-1928			53.9	1990-1985			52.8	1987-1979			51.2	1989-1973			
		NA	1928-1895	NA	1928-1895					49.7	1972-1961									
mean: 56.65		25.8	1895-1861	NA	1895-1861															
high: 369		27.1	1861-1828	NA	1861-1828	46.7	1937-1923			38.7	1950-1939									46
		24.6	1828-1795	NA	1828-1795	12.3	1923-1909													15.3
top 20																				8.6
Selenium	5.54	ND	1995-1961	0.86	1995-1961	2.5	1995-1980	ND	1995-1990	ND	1995-1983	ND	1995-1987	ND	1995-1991	0.89	1995-1989	1.1	1995-1980	ND
(mg/Kg)	soil	1.1	1961-1928	R	1961-1928	2.1	1980-1966	0.91	1990-1985	1.1	1983-1972	1.5	1987-1979	0.95	1991-1984	0.99	1989-1973	1.3	1980-1980	1.1
		2.4	1928-1895	1.2	1928-1895	1.4	1966-1952	1.2	1985-1976	ND	1972-1961	1.8	1979-1971	1.3	1984-1977	1.1	1973-1968	2.4	1980-1966	1.8
		ND	1895-1861	ND	1895-1861	2.7	1952-1937	2	1976-1963	2	1961-1950	1.9	1971-1964	2.2	1977-1959	ND	1968-1952	1.5	1966-1952	1.7
		ND	1861-1828	ND	1861-1828	1.2	1937-1923	2.1	1967-1958	1.3	1950-1939	2	1964-1956	2.7	1970-1952	ND	1958-1947	2.2	1952-1952	1.2
		ND	1828-1795	ND	1828-1795	ND	1923-1909	2.2	1963-1954	1.8	1939-1928	2.4	1956-1948	2.9	1959-1945	ND	1952-1942	4.7	1952-1937	ND
								1	1954-1945					4.5	1945-1934	2.6	1942-1931			ND
Silver	10.7	NA	1995-1961	NA	1995-1961			4.4	1995-1990					3.9	1995-1991	3.4	1995-1989			5
(mg/Kg)	soil	NA	1961-1928	NA	1961-1928			6.4	1990-1985	5.5	1983-1972			5.6	1991-1984	7.6	1989-1973			6
		NA	1928-1895	NA	1928-1895	7.8	1966-1952			1.8	1972-1961									
mean: 8.43		ND	1895-1861	NA	1895-1861											15.6	1968-1952			
high: 21.40		ND	1861-1828	NA	1861-1828	2.1	1937-1923			2.6	1950-1939			18.3	1970-1952	17.6	1958-1947			5.5
		ND	1828-1795	NA	1828-1795	ND	1923-1909					16.8	1956-1948	21.4	1959-1945	20.5	1952-1942	19.5	1952-1937	ND
top 20																				ND
Zinc	1190	NA	1995-1961	NA	1995-1961	1620	1995-1980	473	1995-1990	550	1995-1983			569	1995-1991	492	1995-1989			620
(mg/Kg)	soil	NA	1961-1928	NA	1961-1928	1770	1980-1966	732	1990-1985			769	1987-1979	674	1991-1984	687	1989-1973	1590	1980-1980	
		NA	1928-1895	NA	1928-1895					417	1972-1961							1810	1980-1966	
mean: 770		74.4	1895-1861	NA	1895-1861	2950	1952-1937													
high: 3,110		78.4	1861-1828	NA	1861-1828	696	1937-1923			634	1950-1939									633
		74.7	1828-1795	NA	1828-1795	125	1923-1909													259
top 20																				24.4

ND = Non detect
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943480007

CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
Inorganics

TRANSECT 16 (Upriver from Site)				
Dates	Core 247	Dates	Core 246	Dates
1995-1989	26.9	C.F.	145	C.F.
1989-1972	ND	C.F.	ND	C.F.
[redacted]	3.8	C.F.	3.4	C.F.
[redacted]	2.3	C.F.	7.2	C.F.
1950-1933	2.2	C.F.	3.9	C.F.
1939-1928	7.2	C.F.	6.8	C.F.
1928-1911				
1995-1989	15.6	C.F.	76.6	C.F.
1989-1972	6.8	C.F.	5.8	C.F.
1972-1961	7.3	C.F.	7	C.F.
1961-1939	5.7	C.F.	6.3	C.F.
1950-1933	4	C.F.	7	C.F.
1939-1928	5.7	C.F.	5.7	C.F.
1928-1911				
1995-1989	8550	C.F.	14800	C.F.
1989-1972	8260	C.F.	5960	C.F.
1972-1961	7440	C.F.	7590	C.F.
1961-1939	7560	C.F.	7330	C.F.
1950-1933	6080	C.F.	7640	C.F.
1939-1928	6890	C.F.	6960	C.F.
1928-1911				
1995-1989	36.7	C.F.	184	C.F.
[redacted]	1.9	C.F.	6.2	C.F.
1972-1961	7.9	C.F.	2.4	C.F.
[redacted]	1.7	C.F.	5	C.F.
1950-1933	1.4	C.F.	17.4	C.F.
1939-1928	1	C.F.	25.5	C.F.
1928-1911				
1995-1989	0.22	C.F.	1.9	C.F.
1989-1972	ND	C.F.	ND	C.F.
[redacted]	ND	C.F.	ND	C.F.
1961-1939	ND	C.F.	ND	C.F.
1950-1933	ND	C.F.	ND	C.F.
1939-1928	ND	C.F.	ND	C.F.
1928-1911				

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CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
Inorganics

	Site Use	MUDFLATS						TRANSECT 15						TRANSECT 14						
Contaminant		Core 289	Dates	Core 290	Dates	Core 291	Dates	Core 245	Dates	Core 244	Dates	Core 243	Dates	Core 242	Dates	Core 241	Dates	Core 240	Dates	Core 248
Copper	432	NA	1995-1961	NA	1995-1961			179	1995-1990	185	1995-1983	275	1995-1987	176	1995-1991	160	1995-1989			205
(mg/Kg)	soil	NA	1961-1928	NA	1961-1928			266	1990-1985	249	1983-1972	295	1987-1979	231	1991-1984	240	1989-1973			274
		NA	1928-1895	NA	1928-1895					139	1972-1961									
mean: 312		12.1	1895-1861	NA	1895-1861															
high: 3,020		12.5	1861-1828	NA	1861-1828	225	1937-1923			304	1950-1939									233
		11.4	1828-1795	NA	1828-1795	76.6	1923-1909					733	1956-1948							78.8
top 20														688	1945-1934					6.2
Chromium	437	NA	1995-1961	NA	1995-1961	248	1995-1980	122	1995-1990	124	1995-1983	207	1995-1987	120	1995-1991	95.1	1995-1989			NA
(mg/Kg)	soil	NA	1961-1928	NA	1961-1928			243	1990-1985	260	1983-1972	274	1987-1979	182	1991-1984	194	1989-1973			NA
		NA	1928-1895	NA	1928-1895	287	1966-1952			93.9	1972-1961	1180	1979-1971							NA
mean: 307		31	1895-1861	NA	1895-1861							1220	1971-1964							NA
high: 2160		34.1	1861-1828	NA	1861-1828	134	1937-1923			143	1950-1939	1070	1964-1956							NA
		34.3	1828-1795	NA	1828-1795	51	1923-1909					1070	1956-1948							NA
top 20.																				NA
Iron		NA	1995-1961	NA	1995-1961	21500	1995-1980	24600	1995-1990	21800	1995-1983	34800	1995-1987	25900	1995-1991	21900	1995-1989	33400	1995-1980	NA
(mg/Kg)		NA	1961-1928	NA	1961-1928	21100	1980-1966	24800	1990-1985	17900	1983-1972	28100	1987-1979	25700	1991-1984	25700	1989-1973	29500	1980-1980	NA
		NA	1928-1895	NA	1928-1895	19200	1966-1952	27800	1985-1976	13900	1972-1961	29200	1979-1971	27800	1984-1977	28300	1973-1968	30200	1980-1966	NA
		31500	1895-1861	NA	1895-1861	26600	1952-1937	27100	1976-1963	25900	1961-1950	29100	1971-1964	30000	1977-1959	29700	1968-1952	31400	1966-1952	NA
		32000	1861-1828	NA	1861-1828	19500	1937-1923	27200	1967-1958	16200	1950-1939	30100	1964-1956	30200	1970-1952	29100	1958-1947	27400	1952-1952	NA
		30900	1828-1795	NA	1828-1795	16300	1923-1909	26400	1963-1954	21700	1939-1928	30500	1956-1948	30800	1959-1945	28300	1952-1942	24400	1952-1937	NA
								24900	1954-1945					31400	1945-1934	31600	1942-1931			NA
Lead	3710	NA	1995-1961	NA	1995-1961			269	1995-1990					305	1995-1991	298	1995-1989			333
(mg/Kg)	soil	NA	1961-1928	NA	1961-1928					420	1983-1972	434	1987-1979	409	1991-1984	364	1989-1973	792	1980-1980	
		NA	1928-1895	NA	1928-1895	447	1966-1952			331	1972-1961							858	1980-1966	890
mean: 462		12	1895-1861	NA	1895-1861											804	1968-1952			
high: 17,900		11.5	1861-1828	NA	1861-1828	261	1937-1923			414	1950-1939	865	1964-1956							360
		10.4	1828-1795	NA	1828-1795	88.4	1923-1909					792	1956-1948					832	1952-1937	138
top 20																				3.1
Mercury	10.2	NA	1995-1961	NA	1995-1961	6.5	1995-1980	2.8	1995-1990	2.9	1995-1983	4.4	1995-1987	2.8	1995-1991	2	1995-1989			2.6
(mg/Kg)	soil	NA	1961-1928	NA	1961-1928	6.2	1980-1966	4.9	1990-1985			6.1	1987-1979	4.7	1991-1984	4.1	1989-1973			4
		NA	1928-1895	NA	1928-1895	3.4	1966-1952			2.6	1972-1961							0.06	1980-1966	
mean: 6.92		ND	1895-1861	NA	1895-1861	5	1952-1937							19.4	1977-1959	20.4	1968-1952			7.4
high: 28.3		ND	1861-1828	NA	1861-1828	4.3	1937-1923			4.6	1950-1939			21.9	1970-1952					3.7
		ND	1828-1795	NA	1828-1795	2.1	1923-1909													1.2
top 20																				ND

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943480009

CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
Inorganics

TRANSECT 16 (Upriver from Site)				
Dates	Core 247	Dates	Core 246	Dates
1995-1989	ND	C.F.	ND	C.F.
1989-1972	ND	C.F.	ND	C.F.
1972-1961	ND	C.F.	ND	C.F.
1961-1939	ND	C.F.	ND	C.F.
1950-1933	ND	C.F.	ND	C.F.
1939-1928	ND	C.F.	ND	C.F.
1928-1911				
1995-1989	3	C.F.	22	C.F.
1989-1972	1.3	C.F.	1.8	C.F.
1972-1961	1.4	C.F.	1.5	C.F.
	1	C.F.	1.7	C.F.
	1.4	C.F.	3	C.F.
1939-1928	1.2	C.F.	1.6	C.F.
1928-1911				
1995-1989	ND	C.F.	91.9	C.F.
1989-1972	ND	C.F.	ND	C.F.
1972-1961	ND	C.F.	25	C.F.
1961-1939	ND	C.F.	30.3	C.F.
1950-1933	19.6	C.F.	27.9	C.F.
1939-1928	ND	C.F.	31.6	C.F.
1928-1911				
1995-1989	ND	C.F.	ND	C.F.
1989-1972	ND	C.F.	ND	C.F.
	ND	C.F.	ND	C.F.
1961-1939	ND	C.F.	ND	C.F.
1950-1933	ND	C.F.	ND	C.F.
1939-1928	ND	C.F.	ND	C.F.
1928-1911				
1995-1989	ND	C.F.	2	C.F.
1989-1972	ND	C.F.	ND	C.F.
	ND	C.F.	ND	C.F.
	ND	C.F.	ND	C.F.
1950-1933	ND	C.F.	ND	C.F.
1939-1928	ND	C.F.	ND	C.F.
1928-1911				

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CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
Inorganics

	Site Use	MUDFLATS						TRANSECT 15						TRANSECT 14						
Contaminant		Core 289	Dates	Core 290	Dates	Core 291	Dates	Core 245	Dates	Core 244	Dates	Core 243	Dates	Core 242	Dates	Core 241	Dates	Core 240	Dates	Core 248
Antimony	79.3	NA	1995-1961	NA	1995-1961	ND	1995-1980	ND	1995-1990	ND	1995-1983	ND	1995-1987	ND	1995-1991	ND	1995-1989	ND	1995-1980	ND
(mg/Kg)	soil	NA	1961-1928	NA	1961-1928	ND	1980-1966	ND	1990-1985	ND	1983-1972	ND	1987-1979	ND	1991-1984	ND	1989-1973	ND	1980-1980	ND
		NA	1928-1895	NA	1928-1895	ND	1966-1952	ND	1985-1976	ND	1972-1961	ND	1979-1971	ND	1984-1977	ND	1973-1968	ND	1980-1966	ND
mean: 850		ND	1895-1861	NA	1895-1861	ND	1952-1937	ND	1976-1963	ND	1961-1950	ND	1971-1964	ND	1977-1959	ND	1968-1952	ND	1966-1952	ND
high: 7,560		ND	1861-1828	NA	1861-1828	ND	1937-1923	ND	1967-1958	ND	1950-1939	ND	1964-1956	ND	1970-1952	ND	1958-1947	ND	1952-1952	ND
		ND	1828-1795	NA	1828-1795	ND	1923-1909	ND	1963-1954	ND	1939-1928	ND	1956-1948	ND	1959-1945	ND	1952-1942	ND	1952-1937	ND
top 20								ND	1954-1945					ND	1945-1934	ND	1942-1931			ND
Arsenic	59.2	NA	1995-1961	NA	1995-1961			6.5	1995-1990	10.1	1995-1983	9.6	1995-1987	7.2	1995-1991	8.7	1995-1989			8.8
(mg/Kg)	soil	NA	1961-1928	NA	1961-1928			12.4	1990-1985	9.6	1983-1972	11.2	1987-1979	9.5	1991-1984	5.5	1989-1973			5.3
		NA	1928-1895	NA	1928-1895					6.7	1972-1961			12.6	1984-1977					19.4
mean: 20		6.5	1895-1861	NA	1895-1861			41	1976-1963											
high: 125		6.4	1861-1828	NA	1861-1828	16.6	1937-1923											19.7	1952-1952	
		5.1	1828-1795	NA	1828-1795	12.9	1923-1909	32	1963-1954	58	1939-1928									8.7
top 20								67.8	1954-1945					82.2	1945-1934	62.1	1942-1931			3.2
Barium	none known	NA	1995-1961	NA	1995-1961			131	1995-1990	152	1995-1983	197	1995-1987	154	1995-1991	120	1995-1989			NA
(mg/Kg)		NA	1961-1928	NA	1961-1928					179	1983-1972	204	1987-1979	169	1991-1984	205	1989-1973			NA
		NA	1928-1895	NA	1928-1895					68	1972-1961							392	1980-1966	NA
mean: 213		55	1895-1861	NA	1895-1861	392	1952-1937													NA
high: 1330		70.1	1861-1828	NA	1861-1828	165	1937-1923													NA
		66.2	1828-1795	NA	1828-1795	32.3	1923-1909													NA
top 20														398	1945-1934	392	1942-1931			NA
Berylium	none known	NA	1995-1961	NA	1995-1961	ND	1995-1980	ND	1995-1990	ND	1995-1983	ND	1995-1987	ND	1995-1991	ND	1995-1989	ND	1995-1980	ND
(mg/Kg)		NA	1961-1928	NA	1961-1928	0.77	1980-1966			ND	1983-1972	ND	1987-1979	ND	1991-1984	ND	1989-1973	ND	1980-1980	ND
		NA	1928-1895	NA	1928-1895	0.71	1966-1952	ND	1985-1976	ND	1972-1961	ND	1979-1971	ND	1984-1977			ND	1980-1966	
mean: 0.92		0.8	1895-1861	NA	1895-1861	1.1	1952-1937					ND	1971-1964	1.1	1977-1959	1.1	1968-1952	1.2	1966-1952	ND
high: 1.30		ND	1861-1828	NA	1861-1828	ND	1937-1923			0.48	1950-1939	ND	1964-1956	1.1	1970-1952			0.88	1952-1952	ND
		0.86	1828-1795	NA	1828-1795	ND	1923-1909	ND	1963-1954	ND	1939-1928			1.1	1959-1945	ND	1952-1942	0.81	1952-1937	ND
top 20								ND	1954-1945							ND	1942-1931			ND
Cadmium	16.3	NA	1995-1961	NA	1995-1961			4.4	1995-1990	4.5	1995-1983	6.8	1995-1987	4.4	1995-1991	4.5	1995-1989			5.2
(mg/Kg)	soil	NA	1961-1928	NA	1961-1928			9.4	1990-1985	8	1983-1972	8.9	1987-1979	5.9	1991-1984	6.8	1989-1973			9.5
		NA	1928-1895	NA	1928-1895					3.2	1972-1961									
mean: 11.77		ND	1895-1861	NA	1895-1861									32.2	1977-1959	31.1	1968-1952			
high: 39.60		ND	1861-1828	NA	1861-1828	5.2	1937-1923	32.2	1967-1958	4	1950-1939	32.7	1964-1956	39.2	1970-1952	34.2	1958-1947	33.7	1952-1952	7
		ND	1828-1795	NA	1828-1795	ND	1923-1909	36.4	1963-1954			36	1956-1948	33.4	1959-1945					0.84
top 20																				ND

ND = Non detect
NA = Not Analyzed
R = Data Rejected

943480011

CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
PAHs

TRANSECT 16 (Upriver from Site)					
Core 248	Dates	Core 247	Dates	Core 246	Dates
1,900	1995-1992	5,700	C.F.	[redacted]	[redacted]
[redacted]		ND	C.F.	[redacted]	
10000	1972-1961	560	C.F.	[redacted]	
45000	1961-1939	390	C.F.	[redacted]	
38000	1950-1933	ND	C.F.	[redacted]	
9600	1939-1927	ND	C.F.	2,800	C.F.
ND	1927-1913				
ND	1995-1992	990	C.F.	[redacted]	[redacted]
ND	1992-1972	ND	C.F.	940	C.F.
ND	1972-1961	ND	C.F.	1200	C.F.
3600	1961-1939	ND	C.F.	1600	C.F.
1300	1950-1933	ND	C.F.	720	C.F.
730	1939-1927	ND	C.F.	450	C.F.
ND	1927-1913				
3,200	1995-1992	7,600	C.F.	[redacted]	[redacted]
[redacted]		630	C.F.	[redacted]	
[redacted]		810	C.F.	[redacted]	
71000	1961-1939	490	C.F.	24000	C.F.
56000	1950-1933	ND	C.F.	[redacted]	
[redacted]		ND	C.F.	5,200	C.F.
ND	1927-1913				
ND	1995-1992	500	C.F.	[redacted]	[redacted]
1,600	1992-1972	ND	C.F.	3900	C.F.
7300	1972-1961	ND	C.F.	2,300	C.F.
64000	1961-1939	ND	C.F.	4400	C.F.
50000	1950-1933	ND	C.F.	2,500	C.F.
5700	1939-1927	ND	C.F.	2,000	C.F.
ND	1927-1913				
ND	1995-1992	[redacted]	[redacted]	[redacted]	[redacted]
1200	1992-1972	ND	C.F.	[redacted]	
[redacted]		ND	C.F.	[redacted]	
8900	1961-1939	ND	C.F.	3600	C.F.
5200	1950-1933	ND	C.F.	1600	C.F.
1300	1939-1927	ND	C.F.	1000	C.F.
ND	1927-1913				
ND	1995-1992	ND	C.F.	40000	C.F.
ND	1992-1972	ND	C.F.	450	C.F.
15000	1972-1961	ND	C.F.	ND	C.F.
[redacted]	[redacted]	ND	C.F.	ND	C.F.
180000	1950-1933	ND	C.F.	ND	C.F.
4100	1939-1927	ND	C.F.	ND	C.F.
ND	1927-1913				
1,500	1995-1992	2,700	C.F.	[redacted]	[redacted]
6,800	1992-1972	ND	C.F.	25000	C.F.
20000	1972-1961	ND	C.F.	23000	C.F.
170000	1961-1939	ND	C.F.	39000	C.F.
140000	1950-1933	ND	C.F.	[redacted]	
37000	1939-1927	ND	C.F.	[redacted]	
ND	1927-1913				
2,700	1995-1992	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		850	C.F.	[redacted]	
25000	1972-1961	1,100	C.F.	[redacted]	
100000	1961-1939	740	C.F.	28000	C.F.
68000	1950-1933	ND	C.F.	[redacted]	
21000	1939-1927	520	C.F.	5,800	C.F.
ND	1927-1913				

ND = Non detect
NA = Not Analyzed
R = Data Rejected

943480012

CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
PAHs

TRANSECT 16 (Upriver from Site)					
Core 248	Dates	Core 247	Dates	Core 246	Dates
ND	1995-1992	1,000	C.F.	[redacted]	[redacted]
1,300	1992-1972	ND	C.F.	12000	C.F.
[redacted]	[redacted]	ND	C.F.	12000	C.F.
[redacted]	[redacted]	ND	C.F.	31000	C.F.
[redacted]	[redacted]	ND	C.F.	9700	C.F.
[redacted]	[redacted]	ND	C.F.	6,700	C.F.
860	1927-1913				
ND	1995-1992	ND	C.F.	ND	C.F.
ND	1992-1972	ND	C.F.	ND	C.F.
1700	1972-1961	ND	C.F.	ND	C.F.
[redacted]	[redacted]	ND	C.F.	ND	C.F.
12000	1950-1933	ND	C.F.	ND	C.F.
3100	1939-1927	ND	C.F.	ND	C.F.
ND	1927-1913				
ND	1995-1992	2,400	C.F.	[redacted]	[redacted]
1,800	1992-1972	ND	C.F.	[redacted]	[redacted]
8000	1972-1961	ND	C.F.	[redacted]	[redacted]
37000	1961-1939	ND	C.F.	18000	C.F.
35000	1950-1933	ND	C.F.	[redacted]	[redacted]
13000	1939-1927	ND	C.F.	[redacted]	[redacted]
ND	1927-1913				
1,400	1995-1992	5,700	C.F.	[redacted]	[redacted]
[redacted]	[redacted]	ND	C.F.	[redacted]	[redacted]
[redacted]	[redacted]	490	C.F.	[redacted]	[redacted]
37000	1961-1939	ND	C.F.	10000	C.F.
32000	1950-1933	ND	C.F.	[redacted]	[redacted]
10000	1939-1927	ND	C.F.	2,800	C.F.
ND	1927-1913				
1,500	1995-1992	[redacted]	[redacted]	[redacted]	[redacted]
3,200	1992-1972	ND	C.F.	[redacted]	[redacted]
[redacted]	[redacted]	520	C.F.	[redacted]	[redacted]
32000	1961-1939	390	C.F.	9000	C.F.
11000	1950-1933	ND	C.F.	[redacted]	[redacted]
6,900	1939-1927	ND	C.F.	2,800	C.F.
ND	1927-1913				
1700	1995-1992	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	ND	C.F.	[redacted]	[redacted]
[redacted]	[redacted]	400	C.F.	[redacted]	[redacted]
20000	1961-1939	ND	C.F.	7000	C.F.
7700	1950-1933	ND	C.F.	[redacted]	[redacted]
7000	1939-1927	ND	C.F.	2000	C.F.
ND	1927-1913				
ND	1995-1992	[redacted]	[redacted]	[redacted]	[redacted]
ND	1992-1972	ND	C.F.	3000	C.F.
[redacted]	[redacted]	ND	C.F.	2900	C.F.
12000	1961-1939	ND	C.F.	4900	C.F.
5000	1950-1933	ND	C.F.	[redacted]	[redacted]
1300	1939-1927	ND	C.F.	1400	C.F.
ND	1927-1913				
2000	1995-1992	2500	C.F.	[redacted]	[redacted]
[redacted]	[redacted]	ND	C.F.	2000	C.F.
5900	1972-1961	ND	C.F.	[redacted]	[redacted]
14000	1961-1939	ND	C.F.	[redacted]	[redacted]
6200	1950-1933	ND	C.F.	1800	C.F.
[redacted]	[redacted]	ND	C.F.	1300	C.F.
ND	1927-1913				

ND = Non detect
NA = Not Analyzed
R = Data Rejected

943480013

CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
PAHs

Contaminant	Site Use	MUDFLATS						TRANSECT 15						TRANSECT 14					
		Core 289	Dates	Core 290	Dates	Core 291	Dates	Core 245	Dates	Core 244	Dates	Core 243	Dates	Core 242	Dates	Core 241	Dates	Core 240	Dates
Chrysene	4800	1400	1995-1961					1800	1995-1990			1200	1995-1987	1400	1995-1991	3000	1995-1989	2800	1995-1980
ppb	soil	2400	1961-1928					2500	1990-1985	2600	1983-1972	1500	1987-1979	1200	1991-1984	3200	1989-1973	2800	1980-1980
mean: 3915		12000	1928-1895					3100	1985-1976			2500	1979-1971	3400	1984-1977	3000	1973-1968	2700	1980-1966
high: 150000		ND	1895-1861	ND	1895-1861			3700	1976-1963	1500	1961-1950	2900	1971-1964						
top 20		ND	1861-1828	ND	1861-1828							2300	1964-1956	3500	1970-1952				
		ND	1828-1795	ND	1828-1795	1000	1923-1909	3500	1963-1954			2100	1956-1948	2900	1959-1945				
Highest in PRSA														3400	1945-1934	12000	1942-1931		
Dibenz(a,h)anthracene	300	ND	1995-1961	ND	1995-1961	1000	1995-1980	ND	1995-1990	ND	1995-1983	ND	1995-1987	ND	1995-1991	ND	1995-1989	ND	1995-1980
ppb	soil	ND	1961-1928	ND	1961-1928	ND	1980-1966	800	1990-1985	ND	1983-1972	ND	1987-1979	ND	1991-1984	ND	1989-1973	ND	1980-1980
mean: 1513		930	1928-1895	1000	1928-1895	ND	1966-1952	960	1985-1976	740	1972-1961	ND	1979-1971	ND	1984-1977	ND	1973-1968	ND	1980-1966
high: 25000		ND	1895-1861	ND	1895-1861	ND	1952-1937	1000	1976-1963	ND	1961-1950	ND	1971-1964	ND	1977-1959	990	1968-1952	1400	1966-1952
top 20		ND	1861-1828	ND	1861-1828	ND	1937-1923	880	1967-1958	ND	1950-1939	ND	1964-1956	ND	1970-1952	1200	1958-1947	1400	1952-1952
		ND	1828-1795	ND	1828-1795	ND	1923-1909	ND	1963-1954	ND	1939-1928	ND	1956-1948	ND	1959-1945	1200	1952-1942	1900	1952-1937
Highest in PRSA								1000	1954-1945					ND	1945-1934	1500	1942-1931		
Fluoranthene	7400	2500	1995-1961	6500	1995-1961	6600	1995-1980	2700	1995-1990	25000	1995-1983	2000	1995-1987	2300	1995-1991	4400	1995-1989	4600	1995-1980
ppb	soil	4300	1961-1928	5500	1961-1928			4000	1990-1985	5000	1983-1972	2300	1987-1979	2100	1991-1984	4400	1989-1973	4900	1980-1980
mean: 6820		21000	1928-1895			5200	1966-1952	4900	1985-1976			4300	1979-1971	5500	1984-1977	5400	1973-1968	4400	1980-1966
high: 320000		ND	1895-1861	ND	1895-1861	5400	1952-1937	6500	1976-1963	4200	1961-1950	4800	1971-1964			6500	1968-1952		
top 20		ND	1861-1828	ND	1861-1828	5900	1937-1923	5800	1967-1958			3500	1964-1956	5800	1970-1952				
		ND	1828-1795	ND	1828-1795	1800	1923-1909	5100	1963-1954	6100	1939-1928	3200	1956-1948	5500	1959-1945				
Highest in PRSA														6000	1945-1934				
Fluorene	500	ND	1995-1961	880	1995-1961	ND	1995-1980	ND	1995-1990	14000	1995-1983	ND	1995-1987	ND	1995-1991	ND	1995-1989	ND	1995-1980
ppb	soil	ND	1961-1928	ND	1961-1928	1100	1980-1966	ND	1990-1985	ND	1983-1972	ND	1987-1979	ND	1991-1984	ND	1989-1973	ND	1980-1980
mean: 3432		ND	1928-1895	770	1928-1895	1400	1966-1952	1200	1985-1976	860	1972-1961	ND	1979-1971	910	1984-1977	ND	1973-1968	ND	1980-1966
high: 140000		ND	1895-1861	ND	1895-1861	1000	1952-1937	870	1976-1963	1100	1961-1950	ND	1971-1964	1800	1977-1959	980	1968-1952	1000	1966-1952
top 20		ND	1861-1828	ND	1861-1828	2000	1937-1923	1000	1967-1958	1500	1950-1939	ND	1964-1956	1100	1970-1952	1100	1958-1947	870	1952-1952
		ND	1828-1795	ND	1828-1795	ND	1923-1909	920	1963-1954	1900	1939-1928	ND	1956-1948	ND	1959-1945	1700	1952-1942	1500	1952-1937
Highest in PRSA								1900	1954-1945					1400	1945-1934	6100	1942-1931		
Indeno(1,2,3-cd)pyrene	1100	ND	1995-1961	1100	1995-1961	2400	1995-1980	1000	1995-1990			ND	1995-1987	ND	1995-1991	1500	1995-1989	1400	1995-1980
ppb	soil	ND	1961-1928	1100	1961-1928	1600	1980-1966	1400	1990-1985	ND	1983-1972	ND	1987-1979	ND	1991-1984	1700	1989-1973	1700	1980-1980
mean: 1886		ND	1928-1895	2900	1928-1895	1200	1966-1952	1800	1985-1976	1500	1972-1961	1200	1979-1971	ND	1984-1977	1600	1973-1968	1400	1980-1966
high: 57000		ND	1895-1861	ND	1895-1861	1200	1952-1937	1900	1976-1963	ND	1961-1950	ND	1971-1964	1300	1977-1959				
top 20		ND	1861-1828	ND	1861-1828	1000	1937-1923	1700	1967-1958	1400	1950-1939	990	1964-1956	1100	1970-1952			2900	1952-1952
		ND	1828-1795	ND	1828-1795	ND	1923-1909	1500	1963-1954	1200	1939-1928	990	1956-1948	1200	1959-1945			3800	1952-1937
Highest in PRSA								2900	1954-1945					1200	1945-1934	3500	1942-1931		
Naphthalene	500	ND	1995-1961	ND	1995-1961	ND	1995-1980	ND	1995-1990	35000	1995-1983	ND	1995-1987	ND	1995-1991	ND	1995-1989	ND	1995-1980
ppb	soil	ND	1961-1928	ND	1961-1928	630	1980-1966	ND	1990-1985	ND	1983-1972	ND	1987-1979	ND	1991-1984	ND	1989-1973	ND	1980-1980
mean: 9587		890	1928-1895	580	1928-1895	ND	1966-1952	3200	1985-1976	470	1972-1961	ND	1979-1971	ND	1984-1977	ND	1973-1968	ND	1980-1966
high: 270000		ND	1895-1861	ND	1895-1861	ND	1952-1937	ND	1976-1963	ND	1961-1950	ND	1971-1964	1200	1977-1959	ND	1968-1952	ND	1966-1952
top 20		ND	1861-1828	ND	1861-1828	640	1937-1923	ND	1967-1958	650	1950-1939	ND	1964-1956	ND	1970-1952	ND	1958-1947	ND	1952-1952
		ND	1828-1795	ND	1828-1795	ND	1923-1909	770	1963-1954	5800	1939-1928	ND	1956-1948	ND	1959-1945	1000	1952-1942	2800	1952-1937
Highest in PRSA								1800	1954-1945					760	1945-1934	8500	1942-1931		
Phenanthrene	6200	ND	1995-1961	2100	1995-1961	2000	1995-1980	1000	1995-1990	41000	1995-1983	ND	1995-1987	ND	1995-1991	1800	1995-1989	1100	1995-1980
ppb	soil	840	1961-1928	2700	1961-1928	4900	1980-1966	1800	1990-1985	3400	1983-1972	940	1987-1979	1000	1991-1984	2200	1989-1973	1900	1980-1980
mean: 7097				4200	1928-1895	5400	1966-1952	5100	1985-1976	5500	1972-1961	2200	1979-1971	3800	1984-1977	3300	1973-1968	2000	1980-1966
high: 570000		ND	1895-1861	ND	1895-1861	4200	1952-1937	3700	1976-1963	2400	1961-1950	3500	1971-1964	5600	1977-1959	5100	1968-1952	3000	1966-1952
top 20		ND	1861-1828	ND	1861-1828			4000	1967-1958			1900	1964-1956	4100	1970-1952	5600	1958-1947	3900	1952-1952
		ND	1828-1795	ND	1828-1795	ND	1923-1909	4300	1963-1954			2300	1956-1948	3800	1959-1945				
Highest in PRSA								8300	1954-1945					7000	1945-1934	30000	1942-1931		
Pyrene	11000	2600	1995-1961					2800	1995-1990	22000	1995-1983	1900	1995-1987	2100	1995-1991	4200	1995-1989	5300	1995-1980
ppb	soil	4800	1961-1928					4600	1990-1985	4900	1983-1972	2100	1987-1979	1900	1991-1984	5000	1989-1973	5100	1980-1980
mean: 7807		22000	1928-1895					6500	1985-1976			4300	1979-1971	6200	1984-1977	6400	1973-1968	5100	1980-1966
high: 340000		ND	1895-1861	ND	1895-1861			7700	1976-1963	5100	1961-1950	5200	1971-1964						
top 20		ND	1861-1828	ND	1861-1828							3600	1964-1956						
		ND	1828-1795	ND	1828-1795	2200	1923-1909			7200	1939-1928	3600	1956-1948						
Highest in PRSA														6900	1945-1934				

ND = Non detect
NA = Not Analyzed
R = Data Rejected

943480014

CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
PAHs

Contaminant	Site Use	MUDFLATS						TRANSECT 15						TRANSECT 14					
		Core 289	Dates	Core 290	Dates	Core 291	Dates	Core 245	Dates	Core 244	Dates	Core 243	Dates	Core 242	Dates	Core 241	Dates	Core 240	Dates
Acenaphthene	900	ND	1995-1961	1400	1995-1961	930	1995-1980	ND	1995-1990	18000	1995-1983	ND	1995-1987	ND	1995-1991	ND	1995-1989	ND	1995-1980
ppb	soil	ND	1961-1928	760	1961-1928	2600	1980-1966	ND	1990-1985	1500	1983-1972	ND	1987-1979	ND	1991-1984	ND	1989-1973	ND	1980-1980
mean: 7317		15000	1928-1895	1100	1928-1895	1900	1966-1952	2600	1985-1976	1700	1972-1961	ND	1979-1971	ND	1984-1977	ND	1973-1968	ND	1980-1966
high: 420000		6600	1895-1861	ND	1895-1861	1100	1952-1937	820	1976-1963	930	1961-1950	ND	1971-1964	820	1977-1959	ND	1968-1952	850	1966-1952
top 20		3000	1861-1828	ND	1861-1828	3400	1937-1923	770	1967-1958	1800	1950-1939	ND	1964-1956	740	1970-1952	1100	1958-1947	920	1952-1952
		800	1828-1795	ND	1828-1795	ND	1923-1909	840	1963-1954	3500	1939-1928	ND	1956-1948	910	1959-1945	2500	1952-1942	1800	1952-1937
Highest in PRSA								3100	1954-1945					1800	1945-1934	9700	1942-1931		
Acenaphthylene	400	ND	1995-1961	ND	1995-1961	ND	1995-1980	ND	1995-1990	1900	1995-1983	ND	1995-1987	ND	1995-1991	ND	1995-1989	ND	1995-1980
ppb	soil	ND	1961-1928	ND	1961-1928	ND	1980-1966	ND	1990-1985	ND	1983-1972	ND	1987-1979	ND	1991-1984	ND	1989-1973	ND	1980-1980
mean: 2036		2700	1928-1895	ND	1928-1895	ND	1966-1952	ND	1985-1976	1100	1972-1961	ND	1979-1971	ND	1984-1977	ND	1973-1968	ND	1980-1966
high: 17000		ND	1895-1861	ND	1895-1861	ND	1952-1937	ND	1976-1963	ND	1961-1950	ND	1971-1964	ND	1977-1959	ND	1968-1952	ND	1966-1952
top 20		ND	1861-1828	ND	1861-1828	ND	1937-1923	ND	1967-1958	1100	1950-1939	ND	1964-1956	840	1970-1952	640	1958-1947	ND	1952-1952
		ND	1828-1795	ND	1828-1795	ND	1923-1909	ND	1963-1954	940	1939-1928	ND	1956-1948	820	1959-1945	610	1952-1942	ND	1952-1937
Highest in PRSA								ND	1954-1945					640	1945-1934	590	1942-1931		
Anthracene	1600	ND	1995-1961	2300	1995-1961	1200	1995-1980	ND	1995-1990	8400	1995-1983	ND	1995-1987	ND	1995-1991	ND	1995-1989	ND	1995-1980
ppb	soil	ND	1961-1928	1400	1961-1928	2100	1980-1966	ND	1990-1985	1500	1983-1972	ND	1987-1979	ND	1991-1984	880	1989-1973	1000	1980-1980
mean: 3821		14000	1928-1895	2400	1928-1895	1800	1966-1952	1600	1985-1976	3000	1972-1961	ND	1979-1971	1100	1984-1977	1100	1973-1968		
high: 230000		ND	1895-1861	ND	1895-1861	1300	1952-1937	3000	1976-1963	1100	1961-1950	1200	1971-1964	1900	1977-1959	2000	1968-1952	2000	1966-1952
top 20		ND	1861-1828	ND	1861-1828	2700	1937-1923	2300	1967-1958	2700	1950-1939	ND	1964-1956	1700	1970-1952	1900	1958-1947	1900	1952-1952
		ND	1828-1795	ND	1828-1795	ND	1923-1909	2800	1963-1954	2500	1939-1928	780	1956-1948	1300	1959-1945	2600	1952-1942	2400	1952-1937
Highest in PRSA								3100	1954-1945					2300	1945-1934	7900	1942-1931		
Benzo(a)anthracene	4000	1100	1995-1961	3300	1995-1961			1300	1995-1990	10000	1995-1983	ND	1995-1987	1200	1995-1991	2500	1995-1989	1800	1995-1980
ppb	soil	1900	1961-1928	3200	1961-1928			1800	1990-1985	2200	1983-1972	1100	1987-1979	970	1991-1984	2700	1989-1973	1900	1980-1980
mean: 3546		14000	1928-1895			3400	1966-1952	2200	1985-1976			1600	1979-1971	2000	1984-1977	2200	1973-1968	1800	1980-1966
high: 150000		ND	1895-1861	ND	1895-1861			3100	1976-1963	2300	1961-1950	1100	1971-1964	3400	1977-1959	3300	1968-1952		
top 20		ND	1861-1828	ND	1861-1828			2700	1967-1958			1400	1964-1956	2900	1970-1952				
		ND	1828-1795	ND	1828-1795	950	1923-1909	2900	1963-1954			1900	1956-1948	3300	1959-1945				
Highest in PRSA														3300	1945-1934	12000	1942-1931		
Benzo(a)pyrene	3900	1200	1995-1961			3000	1995-1980	1500	1995-1990	7400	1995-1983	1400	1995-1987	1400	1995-1991	2400	1995-1989	2000	1995-1980
ppb	soil	1900	1961-1928					1800	1990-1985	1900	1983-1972	1400	1987-1979	1300	1991-1984	2600	1989-1973	2100	1980-1980
mean: 3231		9900	1928-1895			2800	1966-1952	2300	1985-1976			2400	1979-1971	2200	1984-1977	2200	1973-1968	1900	1980-1966
high: 130000		ND	1895-1861	ND	1895-1861	3100	1952-1937	2400	1976-1963	1800	1961-1950	2300	1971-1964			2900	1968-1952		
top 20		ND	1861-1828	ND	1861-1828	3000	1937-1923	2500	1967-1958			2200	1964-1956						
		ND	1828-1795	ND	1828-1795	830	1923-1909	2100	1963-1954	3200	1939-1928	2100	1956-1948						
Highest in PRSA																11000	1942-1931		
Benzo(b)fluoranthene	6100	1100	1995-1961	2700	1995-1961			1500	1995-1990	6700	1995-1983	1200	1995-1987	1300	1995-1991	2400	1995-1989	2200	1995-1980
ppb	soil	2000	1961-1928					1600	1990-1985	1400	1983-1972	1400	1987-1979	1300	1991-1984	2500	1989-1973	2600	1980-1980
mean: 2865		8000	1928-1895			2700	1966-1952	1900	1985-1976			2000	1979-1971	2400	1984-1977	1600	1973-1968	2300	1980-1966
high: 100000		ND	1895-1861	ND	1895-1861			2300	1976-1963	2400	1961-1950	ND	1971-1964						
top 20		ND	1861-1828	ND	1861-1828	2400	1937-1923	1800	1967-1958			2200	1964-1956						
		ND	1828-1795	ND	1828-1795	520	1923-1909	1900	1963-1954	2400	1939-1928	1900	1956-1948						
Highest in PRSA																			
Benzo(g,h,i)perylene	1100	ND	1995-1961	1200	1995-1961			800	1995-1990	ND	1995-1983	ND	1995-1987	ND	1995-1991	1500	1995-1989	1600	1995-1980
ppb	soil	ND	1961-1928	1300	1961-1928	1300	1980-1966	840	1990-1985	ND	1983-1972	ND	1987-1979	ND	1991-1984	1700	1989-1973	1800	1980-1980
mean: 2030		ND	1928-1895	3200	1928-1895	910	1966-1952	1000	1985-1976	1500	1972-1961	ND	1979-1971	ND	1984-1977	1500	1973-1968	1500	1980-1966
high: 63000		ND	1895-1861	ND	1895-1861	980	1952-1937	1700	1976-1963	ND	1961-1950	ND	1971-1964	1900	1977-1959	2000	1968-1952		
top 20		ND	1861-1828	ND	1861-1828	780	1937-1923	1600	1967-1958	ND	1950-1939	ND	1964-1956	ND	1970-1952			2900	1952-1952
		ND	1828-1795	ND	1828-1795	ND	1923-1909	1300	1963-1954	1200	1939-1928	1200	1956-1948	ND	1959-1945			3600	1952-1937
Highest in PRSA								4000	1954-1945					1200	1945-1934	3100	1942-1931		
Benzo(k)fluoranthene	3300	1100	1995-1961					1000	1995-1990			1600	1995-1987	1400	1995-1991	1600	1995-1989	1600	1995-1980
ppb	soil	1500	1961-1928	2500	1961-1928	2200	1980-1966	1600	1990-1985	2300	1983-1972	1400	1987-1979	920	1991-1984	1800	1989-1973	2000	1980-1980
mean: 2556						1600	1966-1952	1800	1985-1976							2500	1973-1968	1700	1980-1966
high: 63000		ND	1895-1861	ND	1895-1861			2300	1976-1963	1500	1961-1950	ND	1971-1964			1800	1968-1952	2500	1966-1952
top 20		ND	1861-1828	ND	1861-1828	2100	1937-1923					1800	1964-1956			2400	1958-1947		
		ND	1828-1795	ND	1828-1795	640	1923-1909	2000	1963-1954			1800	1956-1948						
Highest in PRSA																			

ND = Non detect
NA = Not Analyzed
R = Data Rejected

943480015

CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
VOAs, TPHC, and PCBs

TRANSECT 16 (Upriver from Site)				
Dates	Core 247	Dates	Core 246	Dates
1995-1989	ND	C.F.	ND	C.F.
1989-1972	ND	C.F.	ND	C.F.
1972-1961	ND	C.F.	ND	C.F.
1961-1939	ND	C.F.	ND	C.F.
1950-1933	ND	C.F.	ND	C.F.
1939-1928	ND	C.F.	ND	C.F.
1928-1911				
1995-1989	ND	C.F.	ND	C.F.
1989-1972	ND	C.F.	ND	C.F.
1972-1961	ND	C.F.	ND	C.F.
1961-1939	ND	C.F.	ND	C.F.
1950-1933	ND	C.F.	ND	C.F.
1939-1928	ND	C.F.	ND	C.F.
1928-1911				
1995-1989	ND	C.F.	ND	C.F.
1989-1972	ND	C.F.	ND	C.F.
[redacted]	ND	C.F.	ND	C.F.
1961-1939	ND	C.F.	ND	C.F.
1950-1933	ND	C.F.	ND	C.F.
1939-1928	ND	C.F.	ND	C.F.
1928-1911				
1995-1989	155,000	C.F.	14,400,000	C.F.
1989-1972	154,000	C.F.	767,000	C.F.
1972-1961	20,700	C.F.	386,000	C.F.
1961-1939	ND	C.F.	451,000	C.F.
1950-1933	ND	C.F.	414,000	C.F.
1939-1928	17,500	C.F.	331,000	C.F.
1928-1911				

ND = Non detect
NA = Not Analyzed
R = Data Rejected

CRUCIBLE STEEL
"Mud Flats", Transect 15, and Transect 14
VOAs, TPHC, and PCBs

	Site Use	MUDFLATS						TRANSECT 15						TRANSECT 14						
Contaminant		Core 289	Dates	Core 290	Dates	Core 291	Dates	Core 245	Dates	Core 244	Dates	Core 243	Dates	Core 242	Dates	Core 241	Dates	Core 240	Dates	Core 248
Chloroform	3	ND	1995-1961	ND	1995-1961	ND	1995-1980	ND	1995-1990	ND	1995-1983	ND	1995-1987	ND	1995-1991	ND	1995-1989	ND	1995-1980	ND
(ug/Kg)	soil	ND	1961-1928	ND	1961-1928	ND	1980-1966	ND	1990-1985	ND	1983-1972	ND	1987-1979	ND	1991-1984	ND	1989-1973	ND	1980-1980	ND
		ND	1928-1895	ND	1928-1895	ND	1966-1952	ND	1985-1976	ND	1972-1961	ND	1979-1971	ND	1984-1977	ND	1973-1968	ND	1980-1966	ND
		ND	1895-1861	ND	1895-1861	ND	1952-1937	ND	1976-1963	ND	1961-1950	ND	1971-1964	ND	1977-1959	ND	1968-1952	ND	1966-1952	ND
		ND	1861-1828	ND	1861-1828	ND	1937-1923	ND	1967-1958	ND	1950-1939	ND	1964-1956	ND	1970-1952	ND	1958-1947	ND	1952-1952	ND
		ND	1828-1795	ND	1828-1795	ND	1923-1909	ND	1963-1954	ND	1939-1928	ND	1956-1948	ND	1959-1945	ND	1952-1942	ND	1952-1937	ND
								ND	1954-1945					ND	1945-1934	ND	1942-1931			ND
Trichloroethylene	50	ND	1995-1961	ND	1995-1961	ND	1995-1980	ND	1995-1990	ND	1995-1983	ND	1995-1987	ND	1995-1991	ND	1995-1989	ND	1995-1980	ND
(ug/Kg)	soil	ND	1961-1928	ND	1961-1928	ND	1980-1966	ND	1990-1985	ND	1983-1972	ND	1987-1979	ND	1991-1984	ND	1989-1973	ND	1980-1980	ND
		ND	1928-1895	ND	1928-1895	ND	1966-1952	ND	1985-1976	ND	1972-1961	ND	1979-1971	ND	1984-1977	ND	1973-1968	ND	1980-1966	ND
		ND	1895-1861	ND	1895-1861	ND	1952-1937	ND	1976-1963	ND	1961-1950	ND	1971-1964	ND	1977-1959	ND	1968-1952	ND	1966-1952	ND
		ND	1861-1828	ND	1861-1828	ND	1937-1923	ND	1967-1958	ND	1950-1939	ND	1964-1956	ND	1970-1952	ND	1958-1947	ND	1952-1952	ND
		ND	1828-1795	ND	1828-1795	ND	1923-1909	ND	1963-1954	ND	1939-1928	ND	1956-1948	ND	1959-1945	ND	1952-1942	ND	1952-1937	ND
								ND	1954-1945					ND	1945-1934	ND	1942-1931			ND
Aroclor 1254	3,800	1320	1995-1961			ND	1995-1980	192	1995-1990			944	1995-1987	ND	1995-1991	R	1995-1989			327
(ug/Kg)	soil					ND	1980-1966	ND	1990-1985	964	1983-1972	ND	1987-1979	ND	1991-1984	ND	1989-1973			851
		R	1928-1895	ND	1928-1895	ND	1966-1952	ND	1985-1976	R	1972-1961	ND	1979-1971	ND	1984-1977	1320	1973-1968	1920	1980-1966	
mean: 1,575		ND	1895-1861	ND	1895-1861	ND	1952-1937	ND	1976-1963	R	1961-1950	5330	1971-1964	ND	1977-1959			ND	1966-1952	ND
high: 18,100		ND	1861-1828	ND	1861-1828	ND	1937-1923			R	1950-1939			ND	1970-1952	R	1958-1947	R	1952-1952	R
		ND	1828-1795	ND	1828-1795	ND	1923-1909	ND	1963-1954	ND	1939-1928	ND	1956-1948	ND	1959-1945	R	1952-1942	ND	1952-1937	R
top 20								ND	1954-1945					ND	1945-1934	ND	1942-1931			ND
TPHC	4200000	246000	1995-1961	468000	1995-1961	343000	1995-1980	77900	1995-1990	875000	1995-1983	NA	1995-1987	168000	1995-1991	136000	1995-1989	566000	1995-1980	158,000
(ug/Kg)	soil	351000	1961-1928	471000	1961-1928	593000	1980-1966	315000	1990-1985	662000	1983-1972	NA	1987-1979	300000	1991-1984	307000	1989-1973	701000	1980-1980	554,000
		1250000	1928-1895	136000	1928-1895	752000	1966-1952	520000	1985-1976	324000	1972-1961	NA	1979-1971	1250000	1984-1977	858000	1973-1968	934000	1980-1966	1,050,000
		ND	1895-1861	ND	1895-1861	533000	1952-1937	690000	1976-1963	651000	1961-1950	NA	1971-1964	822000	1977-1959	933000	1968-1952	653000	1966-1952	2,390,000
		ND	1861-1828	ND	1861-1828	551000	1937-1923	689000	1967-1958	513000	1950-1939	NA	1964-1956	909000	1970-1952	685000	1958-1947	1390000	1952-1952	15,600,000
		ND	1828-1795	NA	1828-1795	34100	1923-1909	540000	1963-1954	280000	1939-1928	NA	1956-1948	1030000	1959-1945	703000	1952-1942	433000	1952-1937	972,000
								496000	1954-1945					473000	1945-1934	796000	1942-1931			ND

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