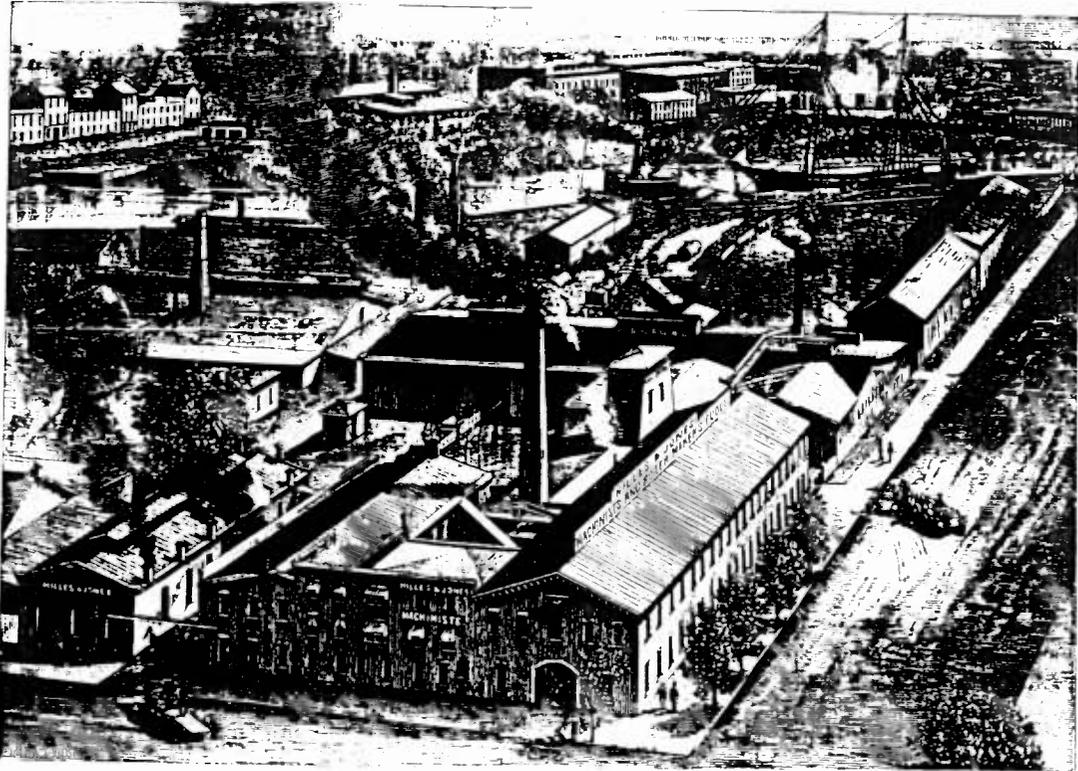


THE WILMINGTON WATERFRONT ANALYSIS AREA  
INTENSIVE LEVEL ARCHITECTURAL SURVEY



HILLES & JONES,  
MACHINISTS' AND BOILER MAKERS' TOOLS,  
WILMINGTON, DELAWARE.

Prepared By

**Stuart Paul Dixon**

Submitted To

**City of Wilmington  
Office of Planning**

January 1992

## PREFACE

As part of the City of Wilmington's ongoing effort to identify, evaluate and document its historic resources, the city's Office of Planning undertook a reconnaissance level cultural resource survey of the Waterfront Analysis Area between June and September of 1989. Since the riverfront areas were historically dominated by industrial concerns, the reconnaissance level survey focused on manufacturing-related resources and attempted to locate and identify all pre-1945, above-ground resources along the Brandywine and Christina Rivers. A total of 129 resources were identified on 16 major industrial-related complexes (see Figure 1, p. ii). Discussions with the State of Delaware's Bureau of Archaeology and Historic Preservation (BAHP) concluded that further evaluation of these identified sites and resources was required. Funding from the City of Wilmington and BAHP's Historic Preservation Fund were then earmarked for an intensive level survey of the Waterfront Analysis Area. This report outlines the architectural survey and historical research undertaken as part of the intensive survey.

The goals of the intensive level survey were to identify and evaluate the National Register of Historic Places eligibility of the 129 former industrial resources previously identified by the reconnaissance level survey. This endeavor required additional fieldwork, historic research, and context and criteria development. Resources were evaluated for eligibility as individual resources and as components of complexes. As a result, seven complexes containing 52 resources were determined eligible for National Register listing (see Table 1, p. iii). Resources determined eligible for listing on the Register were further documented by the preparation of detailed architectural descriptions and historical significance narratives suitable for National Register nomination.

Fieldwork, research and report preparation began in March of 1990 and continued through January of 1991. Fieldwork encompassed an evaluation of the reconnaissance survey, a preliminary determination of resource eligibility based upon resource integrity, and architectural documentation for future reporting. Historic research included historic maps and state, county and city histories in addition to primary archival materials. Materials at the Historical Society of Delaware, the Eleutherian Mills Historical Library, the Morris Library of the University of Delaware, the City of Wilmington's Office of Planning, the Mid-Atlantic Branch of the National Archives, the Historical Society of Pennsylvania and the Free Library of Philadelphia were consulted. Report preparation included formulating a brief overview of the industrial and manufacturing history of the project area illustrated with copies of historic maps. Maps depicting the

Lauren Archibald of MAAR Assoc. is looking for the CRS forms for N-12428 through N-12448; the City does not have them. These industrial resources were identified by Stu Dixon in his Waterfront Survey (see NADB 43258) as "Complex 3" -- Dravo Shipyard area. I cannot locate the forms in the data room (fiche or paper). The resources are not mapped either on the SPO or on the City maps; there is another CRS no. mapped on the SPO in this area (N-12419), for which we do have a form (filled out in 1988, entitled "MANUFY" at "570 Madison St."). I believe there must be some overlap b/n this resource and the ones identified by Dixon, but I can't prove it .

To: Gwen A. Davis@SHPO, Jeff A. Brown@SHPO  
From: Alice H. Guerrant@SHPO  
Cc: Jack@SHPO, Joan@SHPO

Bcc:

Subject: re: CRS forms

Attachment:

Date: 07-01-1999 12:24

Stu did not do any new survey for his evaluation report, so there will be no forms associated w/it. The reconnaissance survey from a year or two earlier was never completed to standards, so the material may still be in the grant file, or it may still be in Wilmington.

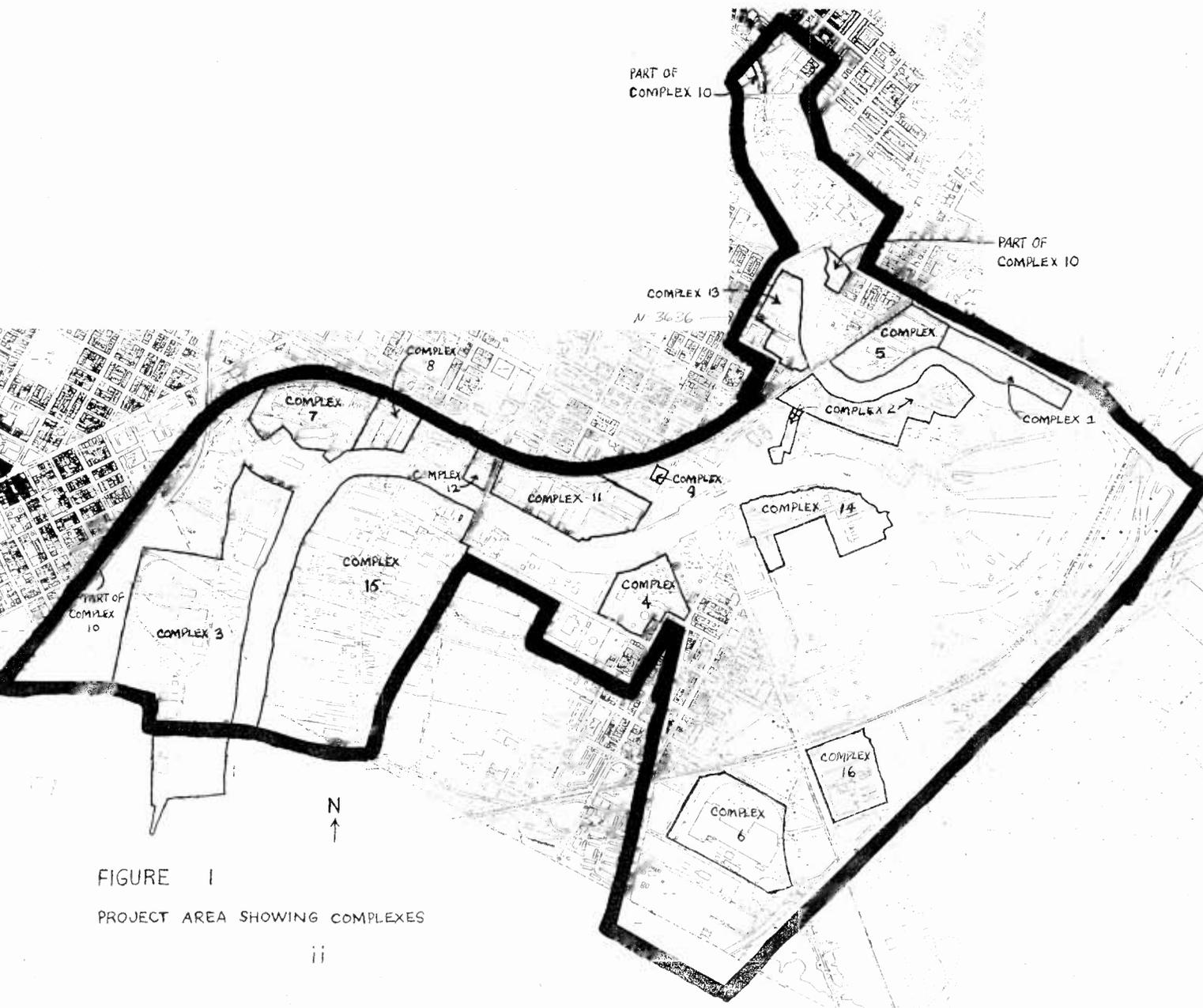


FIGURE 1

PROJECT AREA SHOWING COMPLEXES

TABLE 1  
LIST OF BUILDINGS SURVEYED  
with significance, integrity and  
eligibility determination

<u>CRS Number</u>	<u>Property Type</u>	<u>Significance</u>	<u>Integrity</u>	<u>National Register Eligibility</u> (I = individual; C= Complex)
<b>COMPLEX #1 - ELECTRIC HOSE AND RUBBER COMPLEX</b>				
East Twelfth Street and Rosemont Avenue				
N-12421.01	factory	hose manufacture, post 1940	good	Not Eligible
N-12421.02	machine shop	hose manufacture, 1880 - 1940 +/-	poor	Not Eligible
N-12421.03	boiler house	hose manufacture, 1880 - 1940 +/-	poor	Not Eligible
N-12421.04	factory	hose manufacture, 1880 - 1940 +/-	poor	Not Eligible
N-12421.05	pump house	hose manufacture, 1880 - 1940 +/-	poor	Not Eligible
N-12421.06	factory	hose manufacture, 1880 - 1940 +/-	poor	Not Eligible
N-12421.07	office	hose manufacture, 1880 - 1940 +/-	poor	Not Eligible
N-12421.08	office	hose manufacture, 1880 - 1940 +/-	poor	Not Eligible
N-12421.09	storage	hose manufacture, post 1940	good	Not Eligible
<b>COMPLEX #2 - AMERICAN CAR AND FOUNDRY</b>				
East Seventh Street and Swedes Landing Road				
N-338	Fort Christina Park	[National Historic Landmark]		
N-12422	boiler house	railcar manufacture, 1880 - 1940 +/-	poor	Not Eligible
N-12423	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12424	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12425	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12426	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12427	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible

TABLE 1 (continued)

<u>CRS Number</u>	<u>Property Type</u>	<u>Significance</u>	<u>Integrity</u>	<u>Eligibility</u>
<b>COMPLEX #3 - DRAVO SHIPYARD</b>				
South Madison Street and Beech Street				
N-12428	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12429	barracks	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12430	dispensary	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12431	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12432	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12433	storage	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12434	office	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12435.01	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12435.02	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12435.03	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12436	office	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12437	machine shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12438.01	office	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12438.02	crane	shipbuilding, 1880 - 1940 +/-	poor	maybe
N-12438.03	crane	shipbuilding, 1880 - 1940 +/-	poor	maybe
N-12438.04	crane	shipbuilding, 1880 - 1940 +/-	poor	maybe
N-12438.05	crane	shipbuilding, 1880 - 1940 +/-	poor	maybe
N-12438.06	crane	shipbuilding, 1880 - 1940 +/-	poor	maybe
N-12439	office	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12440	boiler house	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12441.01	storage	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12441.02	fabricating shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12442	machine shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12443	office	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12444	storage	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12445	storage	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12446	storage	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12447	boiler house	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible
N-12448	paint shop	shipbuilding, 1880 - 1940 +/-	poor	Not Eligible

TABLE 1 (continued)

<u>CRS Number</u>	<u>Property Type</u>	<u>Significance</u>	<u>Integrity</u>	<u>Eligibility</u>
<b>COMPLEX #4 - DIAMOND OIL</b>				
Lobdell Street and Townsend Street				
N-12449	garage	chemical storage, 1880 - 1940 +/-	fair	Not Eligible
N-12450	storage	chemical storage, 1880 - 1940 +/-	fair	Not Eligible
<b>COMPLEX #5 - PULLMAN PALACE CAR REPAIR SHOPS</b>				
East Twelfth Street and Rosemont Avenue				
N-3648.01	repair shop	railcar repair, 1880 - 1940 +/-	good	C
N-3648.02	repair shop	railcar repair, 1880 - 1940 +/-	good	C
N-3648.03	repair shop	railcar repair, 1880 - 1940 +/-	good	C
N-3648.04	repair shop	railcar repair, 1880 - 1940 +/-	good	C
N-3648.05	repair shop	railcar repair, 1880 - 1940 +/-	good	C
N-3648.06	repair shop	railcar repair, 1880 - 1940 +/-	good	C
N-3648.07	machine shop	railcar repair, 1880 - 1940 +/-	good	C
<b>COMPLEX #6 - WILMINGTON MALLEABLE IRON CO.</b>				
New Castle Avenue and New York Avenue				
N-12451.01	foundry	machine manufacture, 1880 - 1940 +/-	good	I & C
N-12451.02	storage	machine manufacture, 1880 - 1940 +/-	good	C
N-12451.03	pattern shop	machine manufacture, 1880 - 1940 +/-	good	C

TABLE 1 (continued)

<u>CRS Number</u>	<u>Property Type</u>	<u>Significance</u>	<u>Integrity</u>	<u>Eligibility</u>
<b>COMPLEX #7 - HARLAN &amp; HOLLINGSWORTH CO.</b>				
South Tatnall Street, South Madison Street and AMTRAK Viaduct				
N-12452	fabricating shop	railcar manufacture, 1880 - 1940 +/-	fair	C
N-12453	fabricating shop	railcar manufacture, 1880 - 1940 +/-	good	I & C
N-12454	wood shop	railcar manufacture, 1880 - 1940 +/-	fair	I & C
N-12455	machine shop	railcar manufacture, 1880 - 1940 +/-	good	I & C
N-12456	office	railcar manufacture, 1880 - 1940 +/-	fair	I & C
N-12457	fabricating shop	railcar manufacture, 1880 - 1940 +/-	poor	C
N-12458	metal shop	railcar manufacture, 1880 - 1940 +/-	fair	I & C
N-12459.01	machine shop	railcar manufacture, 1880 - 1940 +/-	fair	I & C
N-12459.02	machine shop	railcar manufacture, 1880 - 1940 +/-	fair	I & C
N-12459.03	machine shop	railcar manufacture, 1880 - 1940 +/-	fair	I & C
N-12459.04	machine shop	railcar manufacture, 1880 - 1940 +/-	fair	I & C
N-12460	gatehouse	railcar manufacture, 1880 - 1940 +/-	good	I & C
N-3637	office	[already listed on the National Register]		
N-12462	foundry	shipbuilding, 1880 - 1940 +/-	good	I & C
N-12463	fabricating shop	shipbuilding, 1880 - 1940 +/-	good	I & C
<b>COMPLEX #8 - J. MORTON POOLE &amp; CO. MACHINE WORKS</b>				
<b>KENT BUILDING</b>				
Water Street and Avenue of the Arts				
N-12464	office	[Demolished August 1990]		
N-12465	storage	machine manufacture, 1830 - 1880 +/-	good	I
N-12466	storage	[Demolished April 1990]		
N-12467	storage	[Demolished April 1990]		
N-12468	boiler house	machine manufacture, 1830 - 1880 +/-	poor	Not Eligible
N-12469	metal shop	machine manufacture, 1830 - 1880 +/-	poor	Not Eligible
N-12470	storage	leather manufacture, 1880 - 1940 +/-	good	I

IV.

TABLE 1 (continued)

<u>CRS Number</u>	<u>Property Type</u>	<u>Significance</u>	<u>Integrity</u>	<u>Eligibility</u>
<b>COMPLEX #9 - CRANE CO.</b>				
South Church Street and East Third Street				
N-12471	metal shop	metal processing, 1880 - 1940 +/-	good	I
<b>COMPLEX #10 - CITY PUBLIC WORKS YARD</b>				
East Twelfth Street and Thatcher Street (N-12504 through N-12506)				
Jessup Street and North Pine Street (N-12507)				
Coleman Street and West Fifth Street (N-12508)				
N-12504	storage	chemical storage, 1880 - 1940 +/-	poor	Not Eligible
N-12505	storage	chemical storage, 1880 - 1940 +/-	poor	Not Eligible
N-12506	garage	chemical storage, 1880 - 1940 +/-	poor	Not Eligible
N-12507	repair shop	rail transportation, 1880 - 1940 +/-	fair	Not Eligible
N-12508	fabricating shop	chemical processing, 1880 - 1940 +/-	fair	Not Eligible

N-13719 *Harlan + Harlingsworth HD*

TABLE 1 (continued)

<u>CRS Number</u>	<u>Property Type</u>	<u>Significance</u>	<u>Integrity</u>	<u>Eligibility</u>
<b>COMPLEX #11 - LOBDELL CAR WHEEL, TIRE &amp; MACHINE CO.</b>				
<b>PUSEY &amp; JONES CO.</b>				
Front Street and Walnut Street				
N-12472	wood shop	machine manufacture, 1880 - 1940 +/-	good	I & C
N-12473	storage	machine manufacture, 1880 - 1940 +/-	fair	C
N-12474.01	fabricating shop	machine manufacture, 1880 - 1940 +/-	good	I & C
N-12474.02	fabricating shop	machine manufacture, 1880 - 1940 +/-	fair	I & C
N-12474.03	fabricating shop	machine manufacture, 1880 - 1940 +/-	fair	C
N-12475	machine shop	machine manufacture, 1880 - 1940 +/-	fair	I & C
N-12476.01	fabricating shop	machine manufacture, 1880 - 1940 +/-	good	I & C
N-12476.02	fabricating shop	machine manufacture, 1880 - 1940 +/-	good	I & C
N-12476.03	fabricating shop	machine manufacture, 1880 - 1940 +/-	good	I & C
N-12476.04	storage	machine manufacture, 1880 - 1940 +/-	fair	I & C
N-12476.05	foundry	railroad equipment, 1830 - 1880 +/-	fair	I & C
N-12476.06	boiler house	machine manufacture, 1880 - 1940 +/-	fair	I & C
N-12477	paint shop	shipbuilding, 1880 - 1940 +/-	good	I & C
N-12478	shipway	shipbuilding, 1880 - 1940 +/-	good	I & C
N-12479	mold loft	shipbuilding, 1880 - 1940 +/-	good	I & C
N-12480	fabricating shop	shipbuilding, 1880 - 1940 +/-	good	C

**COMPLEX #12 - WILMINGTON AMTRAK STATION**

Front Street and French Street

N-3568            passenger station            [already listed on the Nat. Register]

TABLE 1 (continued)

<u>CRS Number</u>	<u>Property Type</u>	<u>Significance</u>	<u>Integrity</u>	<u>Eligibility</u>
<b>COMPLEX #13 - HILLES &amp; JONES MACHINE WORKS</b>				
Church Street and East Ninth Street				
N-12481	garage	chemical storage, 1880 - 1940 +/-	poor	Not Eligible
N-12482.01	metal shop	machine manufacture, 1880 - 1940 +/-	fair	C
N-12482.02	fabricating shop	machine manufacture, 1880 - 1940 +/-	good	I & C
N-12482.03	fabricating shop	machine manufacture, 1880 - 1940 +/-	good	I & C
N-12483.01	foundry	machine manufacture, 1880 - 1940 +/-	good	I & C
N-12483.02	fabricating shop	machine manufacture, 1880 - 1940 +/-	good	I & C
N-12483.03	office	machine manufacture, 1880 - 1940 +/-	fair	C
N-12484	boiler house	machine manufacture, 1880 - 1940 +/-	good	C
N-12485	storage	machine manufacture, 1880 - 1940 +/-	good	C
<b>COMPLEX #14 - COMMERCE STREET COMPLEX</b>				
N-12486	repair shop	ship repair, 1880 - 1940 +/-	poor	Not Eligible
N-12487.01	fabricating shop	metal processing, 1880 - 1940 +/-	poor	Not Eligible
N-12487.02	fabricating shop	metal processing, 1880 - 1940 +/-	poor	Not Eligible
N-12488	fabricating shop	metal processing, 1880 - 1940 +/-	poor	Not Eligible
N-12489	machine shop	metal processing, 1880 - 1940 +/-	poor	Not Eligible
N-12490	storage	metal processing, 1880 - 1940 +/-	poor	Not Eligible
N-12491	garage	chemical storage, 1880 - 1940 +/-	poor	Not Eligible
<b>COMPLEX #15 - SOUTH MARKET STREET COMPLEX</b>				
N-12492	garage	chemical storage, 1880 - 1940 +/-	poor	Not Eligible
N-12493	gas station	chemical storage, 1880 - 1940 +/-	poor	Not Eligible
N-12494	storage	unknown, 1880 - 1940 +/-	poor	Not Eligible
N-12495	storage	unknown, 1880 - 1940 +/-	poor	Not Eligible
N-12496	repair shop	auto transportation, 1880 - 1940 +/-	fair	Not Eligible
N-12497	storage	chemical storage, 1880 - 1940 +/-	fair	Not Eligible

TABLE 1 (continued)

<u>CRS Number</u>	<u>Property Type</u>	<u>Significance</u>	<u>Integrity</u>	<u>Eligibility</u>
<b>COMPLEX #16 - DUPONT COMPANY CHRISTINA COMPLEX</b>				
Christina Avenue				
N-12498	processing plant	chemical processing, 1880 - 1940 +/-	poor	Not Eligible
N-12499	storage	chemical processing, 1880 - 1940 +/-	poor	Not Eligible
N-12500	processing plant	chemical processing, 1880 - 1940 +/-	poor	Not Eligible
N-12501	paint shop	chemical processing, 1880 - 1940 +/-	poor	Not Eligible
N-12502	processing plant	chemical processing, 1880 - 1940 +/-	poor	Not Eligible
N-12503	bridge	rail transportation, 1880 - 1940 +/-	good	maybe

overall distribution of the 129 resource's historic eras and property types have also been provided. A glossary of terms has been included for easy reference. Copies of this report will be stored at the City of Wilmington's Office of Planning and at the Bureau of Archaeology and Historic Preservation in Dover, Delaware.

A project of this scope requires the cooperation of many property owners. The following owners and employees deserve special thanks: Irving Kursh of Bell'Supply Co., Inc.; Daniel Marinacci of O'Brien Energy Systems; and Myron Harwanko of Smurfit Plastic Packaging, Inc. In addition to the staffs of the above named research institutions, the preparer would especially like to thank Ellen Rendle of the Historical Society of Delaware, and Susan Hengel and Marsha McHugh of the Eleutherian Mills Historical Library. David Ames, Bernard Herman, Gabrielle Lanier, Nancy Van Dolsen and Carolyn Torma from the Center for Historic Architecture and Engineering, allowed the preparer to examine a preliminary report documenting the Harlan & Hollingsworth Car Shop No. 1. The preparer would also like to show his appreciation to MaryAnna Ralph, Preservation Planner with the City of Wilmington's Office of Planning, and Alice Guerrant and Stephen Del Sordo of the Bureau of Archaeology and Historic Preservation for their comments and support during this project.

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