



# FORMER NAVAL AMMUNITION DEPOT IONA ISLAND, NEW YORK HISTORICAL PHOTOGRAPHIC ANALYSIS



## ROCKLAND COUNTY, NEW YORK

FUDS DERP C02NY074403

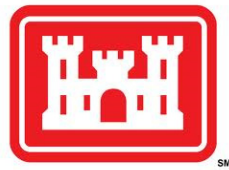


Aerial Photography Source: National Archives & Records Administration, Lenexa Facility, Kansas; Archives Search Report Backup Data – U.S. Army Corps of Engineers, St. Louis District.

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**SEPTEMBER 2018 FINAL REPORT**

Prepared for the U.S. Army Corps of Engineers  
New England and Baltimore Districts



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# NOTICE AND INTRODUCTION



## **Former Naval Ammunition Depot Iona Island, Rockland County, NY**

By  
U.S. Army Geospatial Center (AGC)  
Warfighter Support Directorate  
Hydrologic and Environmental Analysis Branch  
Environmental Analysis Team  
7701 Telegraph Road  
Alexandria, Virginia 22315–3864

## **September 2018 Final Report**

Prepared for  
U.S. Army Corps of Engineers  
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## **NOTICE**

The views, opinions, and conclusions in this report are those of the author and should not be construed as official Department of Army positions or policy unless so designated by other documentation.

Photographic items contained in this report may be restricted for use other than research. It is the responsibility of the party using photographs from this study to contact the U.S. Army Geospatial Center, Warfighter Support Directorate in order to ascertain clearance for use.

## **INTRODUCTION**

This report of findings presents the results of a historical photographic analysis (HPA) of the former Naval Ammunition Depot Iona Island, located in Rockland County, New York.

The Hydrologic and Environmental Analysis Branch of the Warfighter Support Directorate was tasked to search, collect, and analyze historical photographic records and historical map data relative to the project area as part of the Formerly Used Defense Sites (FUDS) program.



# METHODOLOGY



## METHODOLOGY

The analysis presented in this report is primarily based upon interpretation of gray scale and color photography and satellite imagery over the project area spanning the years of 1931 to 2018. Stereo viewing was employed where overlapping aerial photographs permitted its use. Significant features, derived through photo analysis, are displayed on select photos in this study.

Research was conducted by AGC for historical aerial photography from the early 1930s to present day. Documents (in the form of text, tables, photos, and maps) regarding the use of potentially HTRW materials at the NAD Iona Island property were also researched. The types of findings include design drawings ('as-built' as well as planned and/or approved development) and General Service Administration Property Disposal Data<sup>1</sup>.

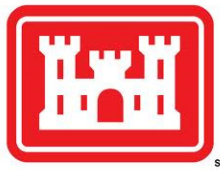
The primary purpose of this historical photographic study is to locate and identify, from historical imagery, maps, and drawings, former buildings, selected by the New England District Corps of Engineers that may be related to HTRW. A list of these buildings are included in the Project Overview section of this study.

AGC searched for, but did not locate, official US Navy correspondence of a comprehensive damage assessment of the 1903 explosion on Iona Island. As reported in the 1998 Archive Search Report (ASR), the area of the 1903 explosion (shown in Plate 15 of the ASR) identifies the approximate region of Iona Island and vicinity having the potential for ordnance and explosives (OE). The blast-zone area, located in the ASR using a 1951 layout plan, is re-displayed in this report on a 1901 USGS topographic map and on 2013 satellite imagery (see Appendix A).

A GIS package (under separate cover) is was also produced by AGC for the U.S. Army Corps of Engineers New England District and Baltimore District.

1) National Archives & Records Administration; Archives II, College Park, MD; Textual Records Branch, RG 291 data

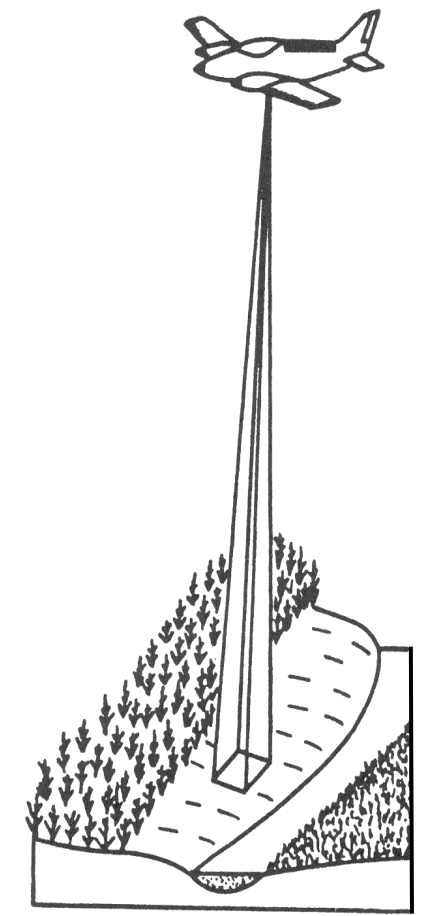
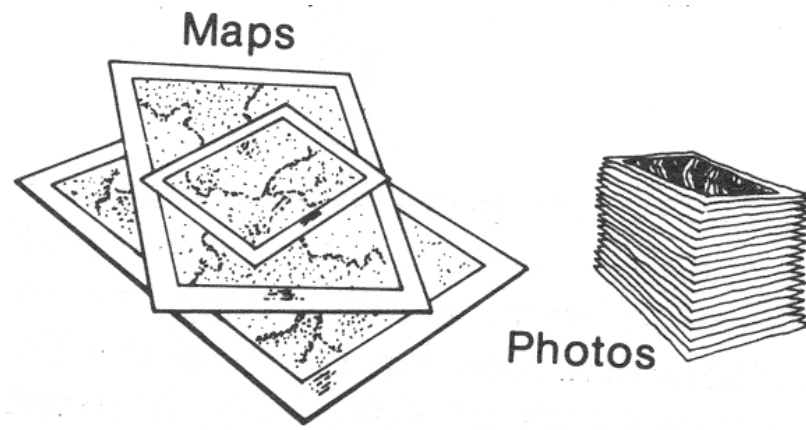
HTRW = Hazardous, Toxic, and Radioactive Waste

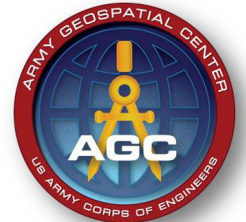


The Warfighter Support Directorate of the U.S. Army Geospatial Center (AGC) was tasked to conduct data collection and photo interpretation of historical aerial photography and satellite imagery covering the former NAD Iona Island in support of the Formerly Used Defense Site (FUDS) Program.

## Historical Aerial Photographic Study

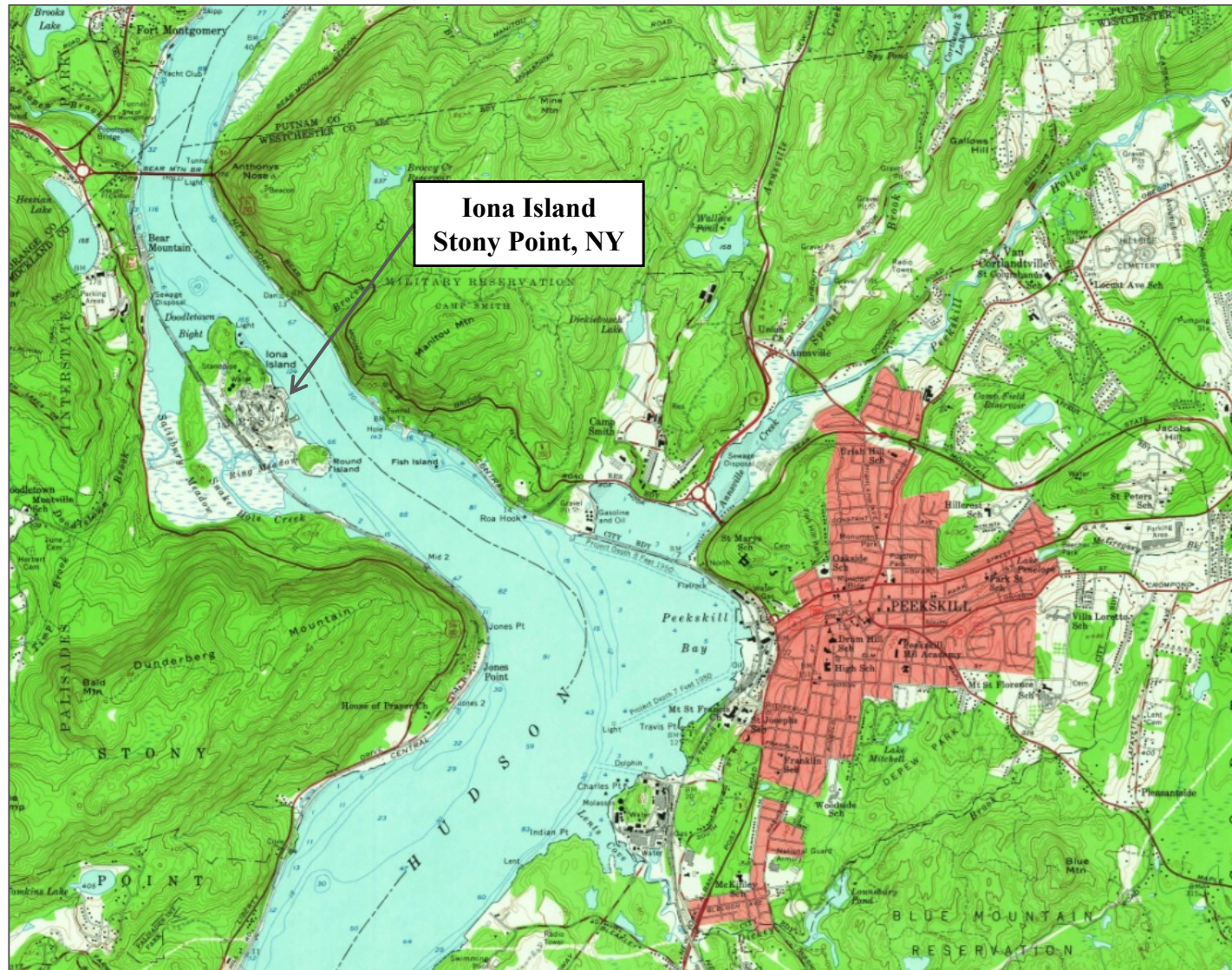
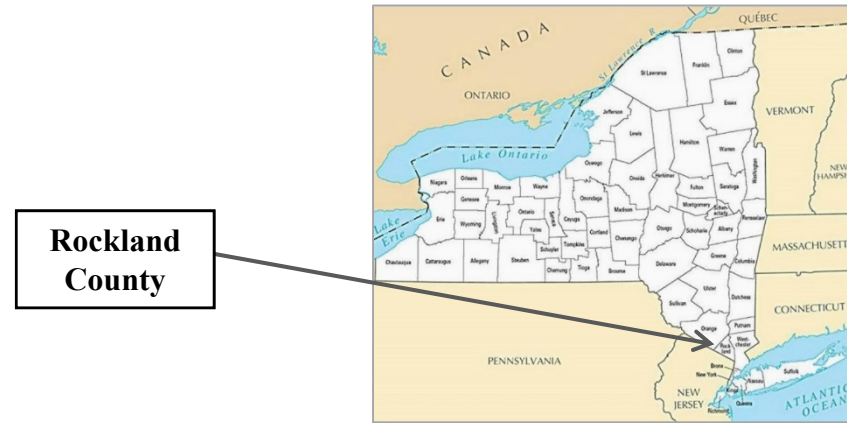
- ⊕ IDENTIFICATION OF FEATURES BY SCALE, SHAPE, TONE, PATTERN, ORIENTATION, SHADOW, AND TEXTURE
- ⊕ CHANGE DETECTION OF MAN-MADE OR NATURALLY-OCCURRING FEATURES
- ⊕ PLACING LOCATIONS OF HISTORICAL FEATURES ON THE CURRENT LANDSCAPE





# PROJECT AREA LOCATION

The Former Naval Ammunition Depot Iona Island is located along the Hudson River in Rockland County, New York. The project site location is approximately 2.5 miles northwest of Peekskill, New York.



Map Source: 1957 Peekskill, NY Quadrangle, U.S. Geological Survey.

1931-dated oblique aerial photograph of the former NAD Iona Island



Photo Source: 1931aug06\_NARA-CP\_RG80\_466379\_Iona\_o.tif

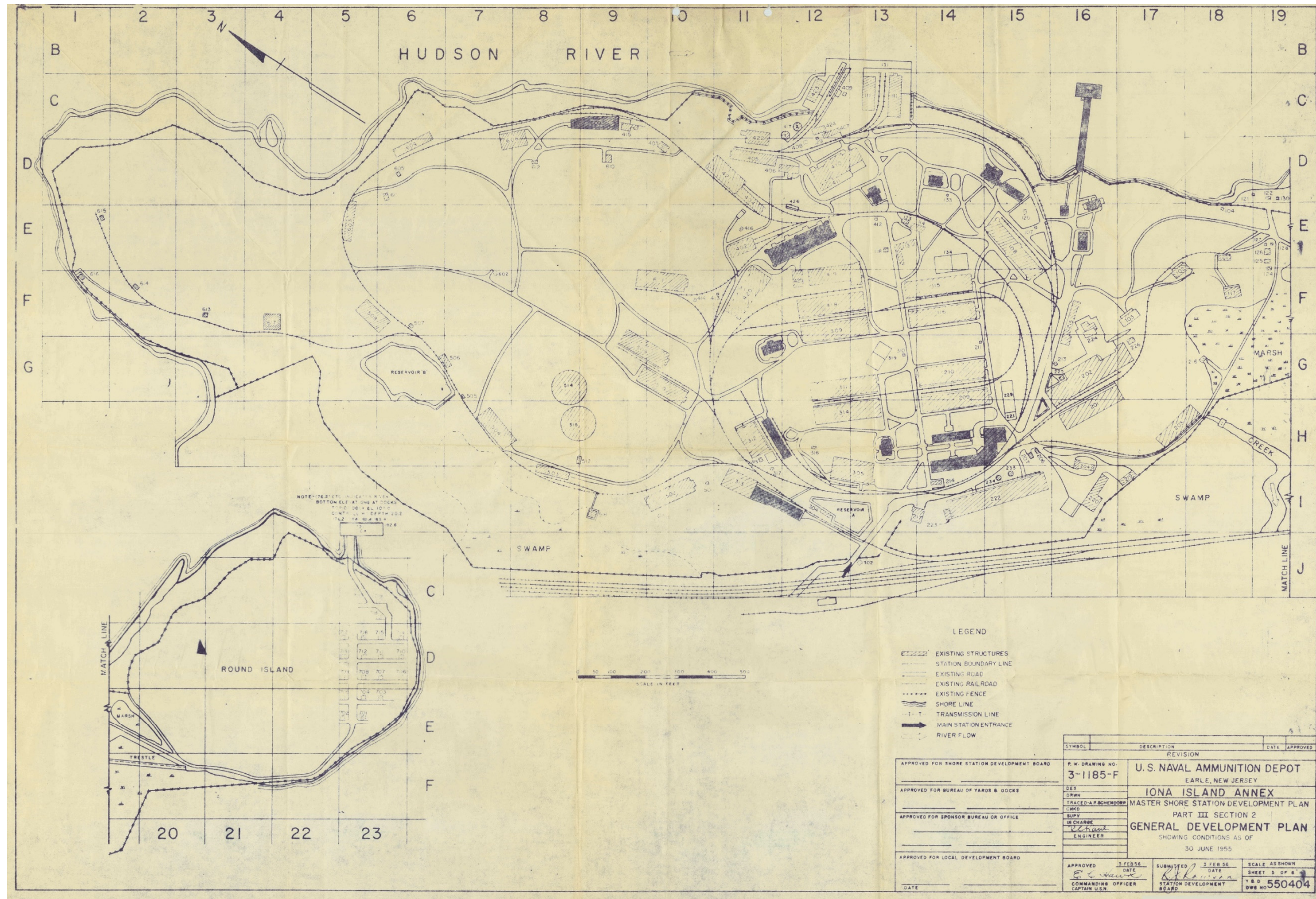


# PROJECT AREA LOCATION – 1955 DEVELOPMENT PLAN



THE FORMER NAD IONA ISLAND, NY CONSISTED OF TWO GEOGRAPHIC AREAS:

- 1) IONA ISLAND
- 2) ROUND ISLAND



Map Source: 1955Jun30\_MAP\_NARA-CP\_RG291\_Layout\_Annex\_Iona.pdf



# PROJECT OVERVIEW



## **NAD IONA ISLAND, NEW YORK - HPA: AGC PROJECT TASKS**

The Hydrologic and Environmental Analysis Branch of the Warfighter Support Directorate, Army Geospatial Center (AGC), was tasked by the U.S. Army Corps of Engineers (USACE) New England District to complete a Historical Photographic Analysis project for the former Naval Ammunition Depot Iona Island in Rockland County, New York. AGC was asked to complete these tasks:

Task 1: Archival Research – AGC conducted research at National Capital Area repositories including the National Archives. Historic map and photographic data was also collected from the COE St. Louis District (re: 1998 Archives Search Report backup data), U.S. Army West Point Library, and the Rockland County Archives, New York. AGC identified and collected various historical aerial photography and cartographic records which relate to the Project Area Location (refer to previous section).

Task 2: Imagery & Map Acquisition, Inspection, and Rectification – AGC collected and geo-rectified historical aerial photos and commercial imagery for the study area for the time period 1931 to 2018. The raw image files and the final geo-rectified files will be delivered at the completion of the project. All raster raw/unrectified data will be delivered in .tif, .pdf, or .jpg format. Installation layout plans were located for years 1901 to 1965. Selected plans were geo-rectified for this HPA project which includes a GIS package. In addition, a selection of USGS topographic map products were located and acquired by AGC.

Task 3: Historical Photo Analysis – Based upon objectives developed by NAE, AGC has completed an HPA for the former NAD Iona Island, NY. These project objectives are listed directly ahead in the next section of PROJECT OVERVIEW.



# PROJECT OVERVIEW



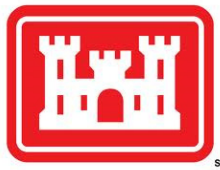
## NAD IONA ISLAND, NEW YORK - HPA: PROJECT OBJECTIVES

**Project Objectives:** The primary objectives of this study, as identified by NAE, are:

1. Identify the years of construction, years of use, and the type of HTRW activities associated with the buildings and areas of concern under the FUDS and MMRP programs between the years 1903 and 1957. Those buildings and areas include:
  - a. BLDG 103 (oil and paint storage)
  - b. BLDG 121 (incinerator)
  - c. BLDGs 124, 125, 126, 127, and 128 (sewage disposal plant)
  - d. BLDG 407 (paint and pipe shop)
  - e. BLDG 410 (power house)
  - f. BLDGs 123, 215, 219, and 220 (garage)
  - g. BLDG 129 (public works)
  - h. BLDG 207 (marine garage)
  - i. BLDG 213 (paint locker)
  - j. BLDG 406 (tin and electrical shop)
  - k. Above Ground Storage Tanks (ASTs)
  - l. Dump Site
  - m. Two coal storage areas
  - n. Three former loading dock areas
  - o. Underground Storage Tanks (USTs)
2. AGC will also document the location and extent of historical disposal sites and their period of activity (within the time period of 1903 and 1957), including the filling of wetlands associated with disposal activities. NOTE: NAE will provide relevant historical documents regarding the infill of wetlands at Iona Island.
3. AGC will attempt to identify the footprint of the 1903 explosion, when possible through cartographic or photographic evidence.

**Project Task:** Historical Photo Analysis (HPA) – AGC will complete a historical photographic analysis of the study area relevant to the project objectives listed above. AGC will conduct research at National Capital Area repositories and acquire historical photography and maps of the Former Iona Island Naval Ammunition Depot. If determined necessary, AGC will may travel to New York area repositories to collect additional research materials. AGC will collect selected historical aerial photography and cartographic records from 1899 to 1965 the entire area of interest (AOI) in Figure 1.

Source: Army Geospatial Center, Statement of Work – 19 March 2018, Project Objectives for Former Iona Island Naval Ammunition Depot (NY) (FUDS DERP C02NY074403).

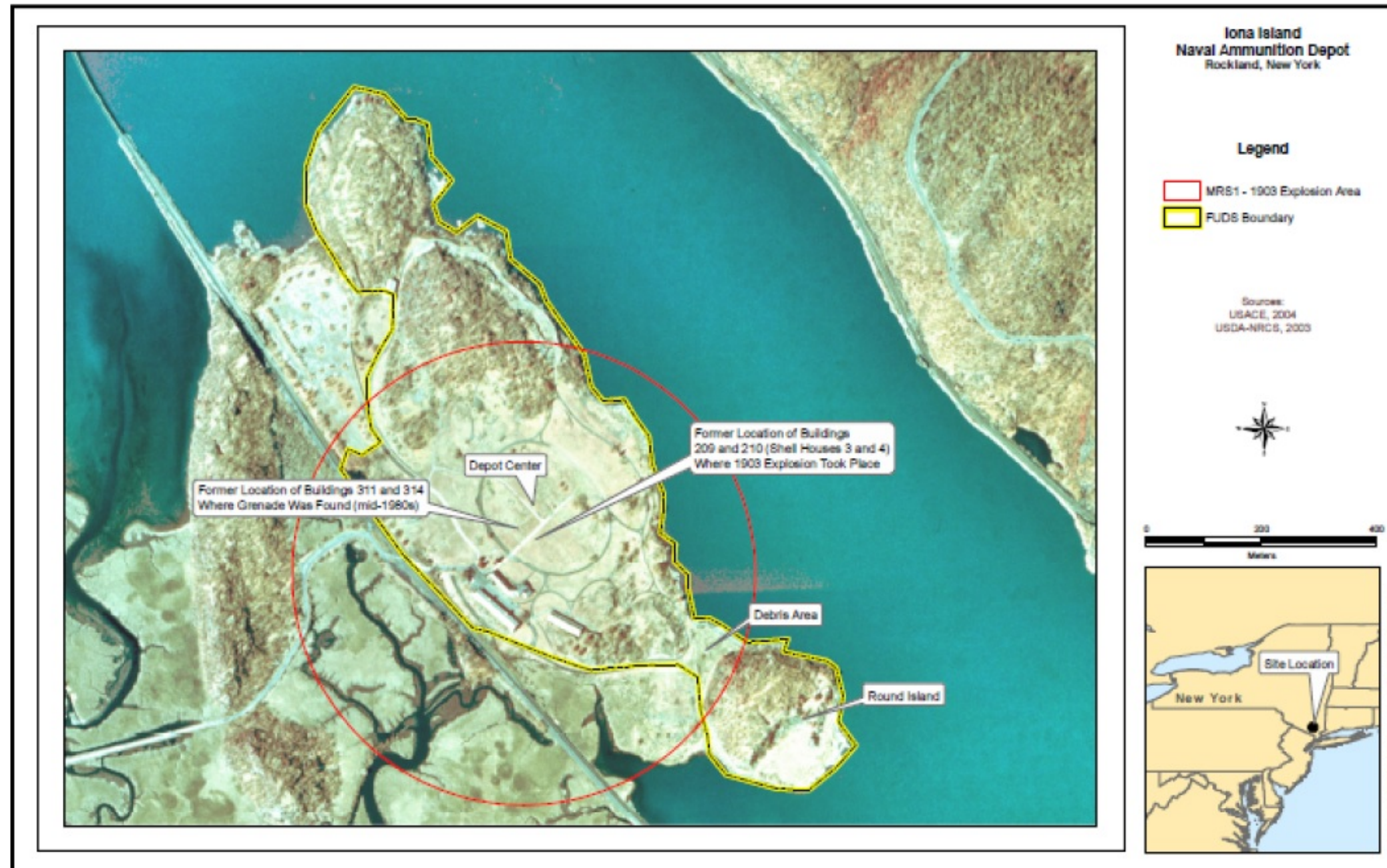


# PROJECT OVERVIEW



## NAD IONA ISLAND, NEW YORK - HPA: FIGURE 1 (STATEMENT OF WORK)

Figure 1: FUDS Boundary of Iona Island Naval Ammunition Depot



Source: Army Geospatial Center, Statement of Work – 19 March 2018, Project Objectives for Former Iona Island Naval Ammunition Depot (NY) (FUDS DERP C02NY074403).



# SITE DESCRIPTION AND HISTORICAL BACKGROUND



## SITE DESCRIPTION AND HISTORY<sup>1</sup>

The former Iona Island Naval Ammunition Depot FUDS property consists of approximately 124.2 total acres of land and inland water. The site is located on Iona Island and Round Island in the Town of Stony Point, County of Rockland, New York. The U.S. Naval Department used the property from 1900 to 1947 as an ammunition depot. Currently, the FUDS property is part of the much larger Hudson River National Natural Estuarine Research Reserve, Significant Coastal Fish and Wildlife Habitat Area, and a National Natural Landmark. The site is under the administration of the Palisades Interstate Park Commission (PIPC). The PIPC currently utilizes a portion of the Iona Island as a storage facility.

Prior to use by the military, the island was utilized as a resort hotel during the Civil War. The U.S. purchased Iona Island from a brokerage company in 1899. In 1942, the Department of the Navy acquired the adjacent Round Island for ammunition storage. In 1947, the Navy decided to deactivate the Iona Island Naval Ammunition Depot and made the property available for restricted lease. The FUDS was re-designated as an Annex to the United States Naval Ammunition Depot, Earle, New Jersey, and in 1957 declared the Annex as excess. In 1955 and 1960, the General Services Administration (GSA) utilized the former depot through a permit for stockpile materials such as rubber and copper. In 1960, the GSA received official jurisdiction of the property and other agencies under GSA control utilized the property for record storage during the 1960s. On 20 March 1965, Iona Island was deemed evacuated after the last load of stockpiled materials left the property. In 1965, the PIPC acquired both Iona Island and Round Island.

The Navy used the former Iona Island Naval Ammunition Depot for approximately 50 years, between 1900 and 1947. According to historical records, activities included preparing, assembling, maintaining, inspecting, testing, and issuing ammunition. Range munitions included small arms, large caliber, aerial rocket, flares, signals, and simulators. In 1903, an explosion occurred between Shell Houses 3 and 4 (former building numbers 210 and 209, respectively) on Iona Island. Some of the contents of the explosion are thought to be included were 13-inch shells that may have been thrown out from the point of the explosion as far as 1,250 feet. Other munitions stored in the area during the time of the explosion included 1-pounders, 6-pounders, and 6-inch ammunition. In addition, an area referred to as a “dump site” located near the shoreline south of the former piers was reported to have visible munitions in the shallow near-shore sediments during low tide conditions. The “dump site” is located east of former waters’ edge near Round Island. Round Island, the southernmost portion of the depot, was also utilized by the Navy for ammunition storage.

PIPC = Palisades Interstate Park Commission

1. Source: MMRP Site Investigation Report, 2008 as cited in the Army Geospatial Center, Statement of Work – 19 March 2018, Project Objectives for Former Iona Island Naval Ammunition Depot (NY) (FUDS DERP C02NY074403).



# HISTORICAL REVIEW



## IONA IN THE TWENTIETH CENTURY<sup>1</sup>

Iona was bought by the Navy Department with authority from a Congressional Act approved March 3, 1899. Although the actual act appropriated \$600,000 for the “purchase of land for a site for a Naval Magazine near New York City, and for erection of buildings thereon,” the island itself was purchased for \$160,000 from the L.H. Mace brokerage company of New York City. It consisted of 116 acres of “rough, rocky and partly wooded ground” and 13 acres of marsh land.

There were several reasons for the Navy’s purchase of the island. A published 1938 interview with the then commandant of the island explains:

*“Lack of space at Battery Weed, a part of Fort Wadsworth in the Narrows of New York Harbor and the original base for naval ammunition, caused the transfer of the naval-base in 1897 to Fort Lafayette, an island about 600 yards off-shore from Fort Hamilton. Fort Lafayette was entirely for the use of the Navy, which still retains this fort as a ready-issue station in New York Harbor for materials from Iona Island. The latter station has the advantage of more space, tidewater navigation, and safety from long range guns. Since the establishment of Iona Island as a Naval Ammunition base all ammunition has been carried from Iona Island to Fort Lafayette by lighter. Iona Island is one of seven similar establishments operating under the Bureau of Ordnance. Lake Denmark is the bulk storage plant for this district, Iona Island the assembly plant, and Fort Lafayette the issuing station....”*

The island was transformed into an ordnance plant, first called Naval Magazine and changed prior to World War I to “United States Naval Ammunition Depot.” The Navy early considered Iona as “*a desirable site in every particular, sufficiently remote from populous towns and so far from the seacoast as to be safe from hostile attack.*”

1. Source: ND\_History\_Collins\_NAD\_Iona\_Island.pdf; 1998 Archives Search Report (backup material); Washington National Record Center, Suitland, MD, Accession No. 291-68A-5714, Box 205, Real Property Files (original sources).



# HISTORICAL REVIEW



## IONA IN THE TWENTIETH CENTURY CONTINUED<sup>1</sup>

Although no ammunition was manufactured at Iona, all types of explosives were assembled on site. Activities included preparing, assembling, maintaining, inspecting and testing ammunition; storing bulk explosives, ammunition and ordnance material; and issuing ammunition to the Fleet, shore establishments, armed merchantmen, transport and District forces.

Iona began as a relatively small installation. During the first year of its operation the following buildings were planned: 5 magazines; 2 fixed ammunition houses; 4 shell houses, two 2-story storehouses; 1 power house with steam, electric, and air-compressing plant; 4 filling houses; 4 small magazines for storage of high explosives; 1 house for gunner's residence; 4 double cottages for principal employees; and 1 shipping house. The growth of the depot mirrored its importance-for in 1951 when the installation was deactivated there were 146 buildings on the island.

During World War I, almost all the depth bombs and ammunition used in the Atlantic area passed through Iona. In 1914, work increased by about 14%. All submarines were sent to Iona to be filled with explosives, in addition to the regular work carried on there. In 1915, over two million pounds of powder were made up in charges and about 327 car-loads of material were handled during the year and large shipments made by transport, tug and barge. A 1919 annual report to the Secretary of the Navy states that almost all of the 14-inch ammunition for the Army and Navy Railroad battery was prepared at Iona.

After World War I, although Iona was one of two of the Navy's main depots on the east coast, a program of reducing personnel and material and keeping active work to a minimum was followed under the United States' general program of limitation of arms treaty.

In the 1930's, various programs of maintenance and remodeling were carried out by the Bureau of Yards and Docks. For example, ten magazine buildings were remodeled for fire-proofing; three black-powder magazines and a railroad track to serve them were ordered; and two water tanks were provided, the water system enlarged, and two engine-driven generators installed. During this period, Iona's mission was to supply ammunition of all calibers to the fleet for service allowances, target practice and reserve war requirements. In 1938, the total value of material was approximately \$18 million.

1. Source: ND\_History\_Collins\_NAD\_Iona\_Island.pdf; 1998 Archives Search Report (backup material); Washington National Record Center, Suitland, MD, Accession No. 291-68A-5714, Box 205, Real Property Files (original source).



# HISTORICAL REVIEW



## IONA IN THE TWENTIETH CENTURY CONTINUED<sup>1</sup>

Then came Iona's major effort—assembling naval ammunition for World War II.

*“After Pearl Harbor this installation was pushed at a record rate and the security of the fleet depended on production here until other depots were ready... More than 2,300 Navy ships and 2,300 merchant ships received their ammunition from Iona during World War II. In addition, 77 bases, 500 shore stations and 700 foreign naval ships were serviced with ammunition....”*

Rockland County historian William Dobbin reports that *“A special message from James Forrestal to Iona personnel that they were entitled to wear a special lapel pin after November 9, 1942 was ambiguous to many but to me it substantiated Iona as a historical site.”*

After the war, use of the island as an ammunition depot became obsolete because of lack of expansion room to accommodate new types of ammunition. In 1947, the Navy reached the decision to deactivate Iona and the property was made available for restricted lease after March 31, 1948. Efforts were made by local merchants to petition Congress and the Navy Department to retain the depot since the majority of civilian workers were natives of Rockland and Orange County areas and dependent on the island for a livelihood; all efforts failed.

Again, in 1950, companion bills were introduced in Congress by Representative Katherine St. George of Tuxedo Park and by Senator Irving M. Ives to turn the island over to the Palisades Interstate Park Commission for use as a public park. Both bills failed, and although the island is still owned by the Navy, it is under the supervision of the General Services Administration.

1. Source: ND\_History\_Collins\_NAD\_Iona\_Island.pdf; 1998 Archives Search Report (backup material); Washington National Record Center, Suitland, MD, Accession No. 291-68A-5714, Box 205, Real Property Files (original source).



# HISTORICAL REVIEW



## IONA IN THE TWENTIETH CENTURY CONTINUED<sup>1</sup>

Today, under the administrative control of the General Services Administration (GSA), Iona was primarily used by the Defense Materials Service as part of its stockpile storage program.<sup>2</sup> Rubber was the main material stored, along with some copper and other metals. However, since the amount of rubber stockpiled reached sufficient limits, GSA received approval to phase out its storage operation and made plans to evacuate Iona on or about June 1965.

In addition to the Defense Materials Service, several other federal agencies, all under GSA administrative control, used Iona primarily for records storage. These agencies included: the Maritime Administration, the Atomic Energy Commission, the Civil Service Commission, the Army Corps of Engineers, and the Navy's Bureau of Ships.

In 1965, the Public Buildings Service of GSA conducted a study to determine the feasibility of the use of Iona by the above-mentioned agencies. If the study proved the island to be too costly an operation, it was determined that Iona would again be put up for sale<sup>3</sup>.

## SITE DESCRIPTION AND OPERATIONAL HISTORY<sup>4</sup>

In 1947, the Department of the Navy decided to deactivate the Iona Island Naval Ammunition Depot and made the property available for restricted lease. The FUDS was re-designated as an Annex to the United States Naval Ammunition Depot, Earle, New Jersey and in 1957 declared the Annex excess. In 1955 and 1960, the General Services Administration (GSA) utilized the former depot through a permit for stockpile materials such as rubber and copper. In 1960, the GSA received official jurisdiction of the property and other agencies under GSA control utilized the property for record storage during the 1960s.

1. Source: ND\_History\_Collins\_NAD\_Iona\_Island.pdf; 1998 Archives Search Report (backup material); Washington National Record Center, Suitland, MD, Accession No. 291-68A-5714, Box 205, Real Property Files (original source).

2. 1964-1965 time frame.

3. Ibid.

4. Excerpts from the Site Inspection (SI) Report for the Iona Island Naval Ammunition Depot, DERP FUDS Project Number C02NY074403, Prepared for U.S. Army Engineering and Support Center, Huntsville and U.S. Army Corps of Engineers, Baltimore District by Alion Science and Technology, September 2008.



# HISTORICAL REVIEW



## SITE DESCRIPTION AND OPERATIONAL HISTORY<sup>1</sup>

The Maritime Administration also conducted occasional transshipments of heavy freight at the main wharf on an occasional basis. On 30 March 1965, Iona Island was deemed evacuated after the last load of stockpile materials left the property. In 1965, the PIPC acquired both Iona and Round Island (USACE 1997).

## CURRENT AND FUTURE LAND USE<sup>2</sup>

Currently, the former Iona Island Naval Ammunition Depot which includes Iona Island and Round Island, is under the administration of the PIPC. The staff of Bear Mountain State Park maintains the former Iona Island Naval Ammunition Depot. The State of New York planning document (Clarke and Rapuano, Inc. 1966) illustrates demolition and development plans for a recreational area. PIPC developed the demolition plans, however, the plans to develop the island into a recreational area were not executed. The only construction that occurred on the island was the parking lot located directly west of Iona Island and outside of the FUDS boundary. The contract plans illustrate the locations of the former buildings which PIPC removed except for a few buildings which currently remain on-site. The plans also illustrate the fill area (believed to be building demolition debris) that currently provides access between Iona Island and Round Island. PIPC currently utilizes Iona Island as a storage facility. The FUDS is closed to the public. However, Iona Island is partially fenced and the main gate is unmanned which provides limited access to Iona Island from Bear Mountain State Park. The former Iona Island Naval Ammunition Depot is part of the Hudson River National Estuarine Research Reserve and Significant Coastal Fish and Wildlife Habitat Area. The former Iona Island Naval Ammunition Depot also is used for various biological studies, including a 4-year plant study on the southern end of Round Island. There are no current plans, as of 2007, to change the limited use of the former Iona Island Naval Ammunition Depot.

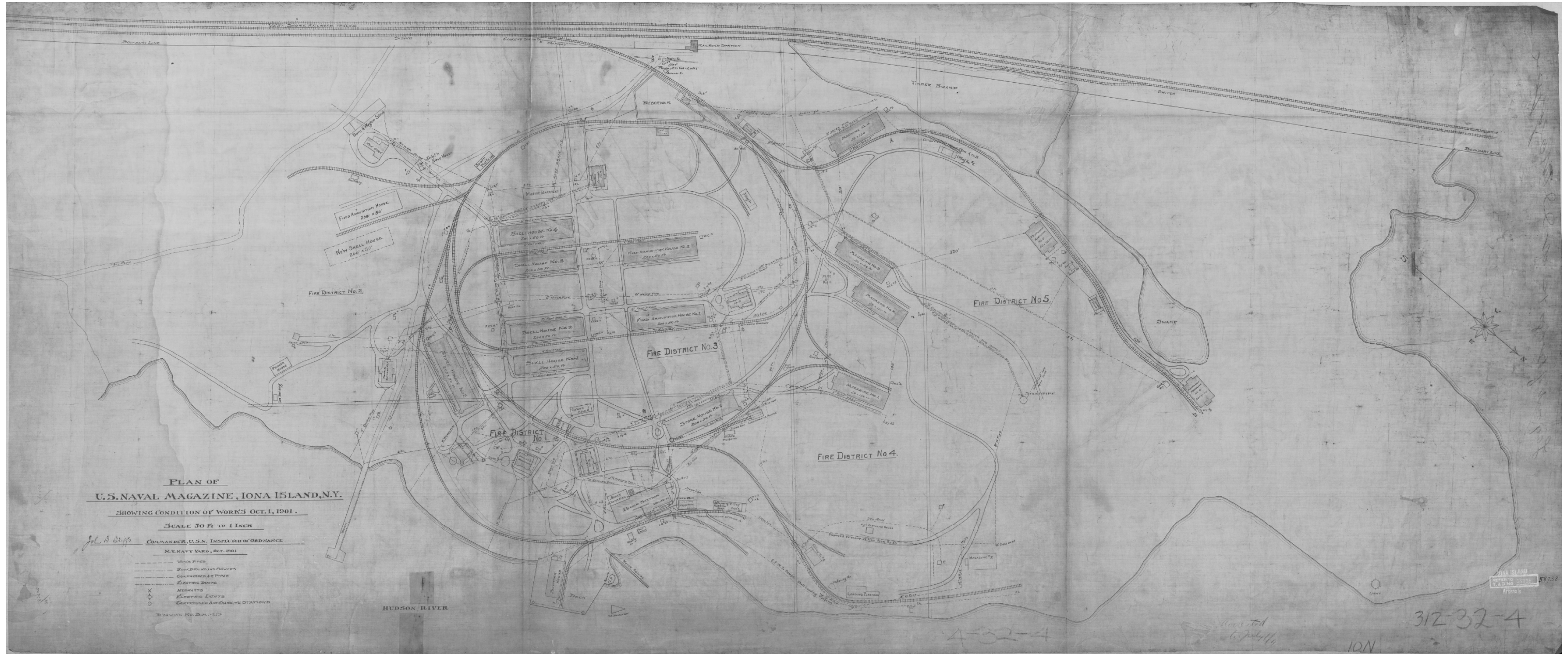
FUDS = Formerly Used Defense Sites  
PIPC = Palisades Interstate Park Commission  
USACE = United States Army Corps of Engineers

1. Excerpts from: the Site Inspection (SI) Report for the Iona Island Naval Ammunition Depot, DERP FUDS Project Number C02NY074403, Prepared for U.S. Army Engineering and Support Center, Huntsville and U.S. Army Corps of Engineers, Baltimore District by Alion Science and Technology, September 2008.

2. Ibid.



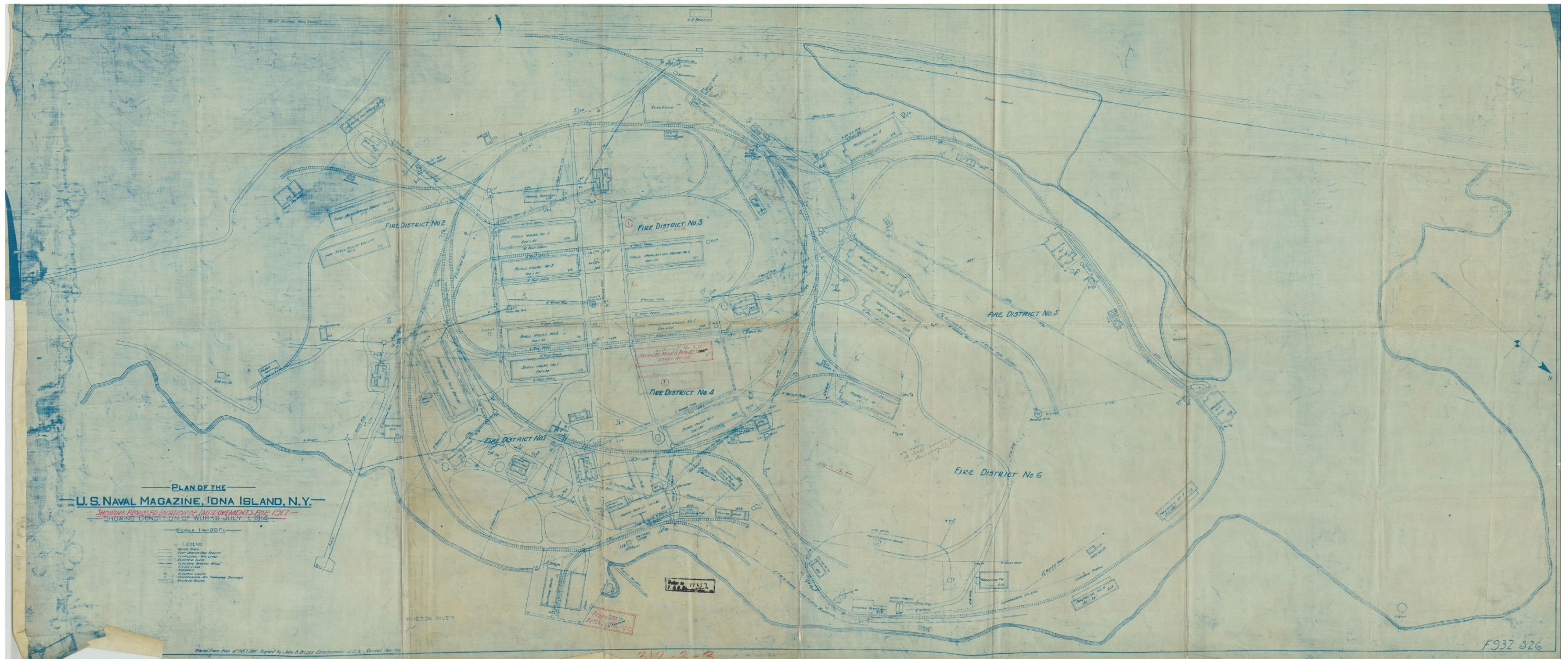
# HISTORICAL REVIEW – 1901 INSTALLATION LAYOUT OF U.S. NAVAL MAGAZINE, IONA ISLAND, NY



Source: National Archives and Records Administration, Archive II, College Park, MD, Cartographic Records Branch, Record Group 71.



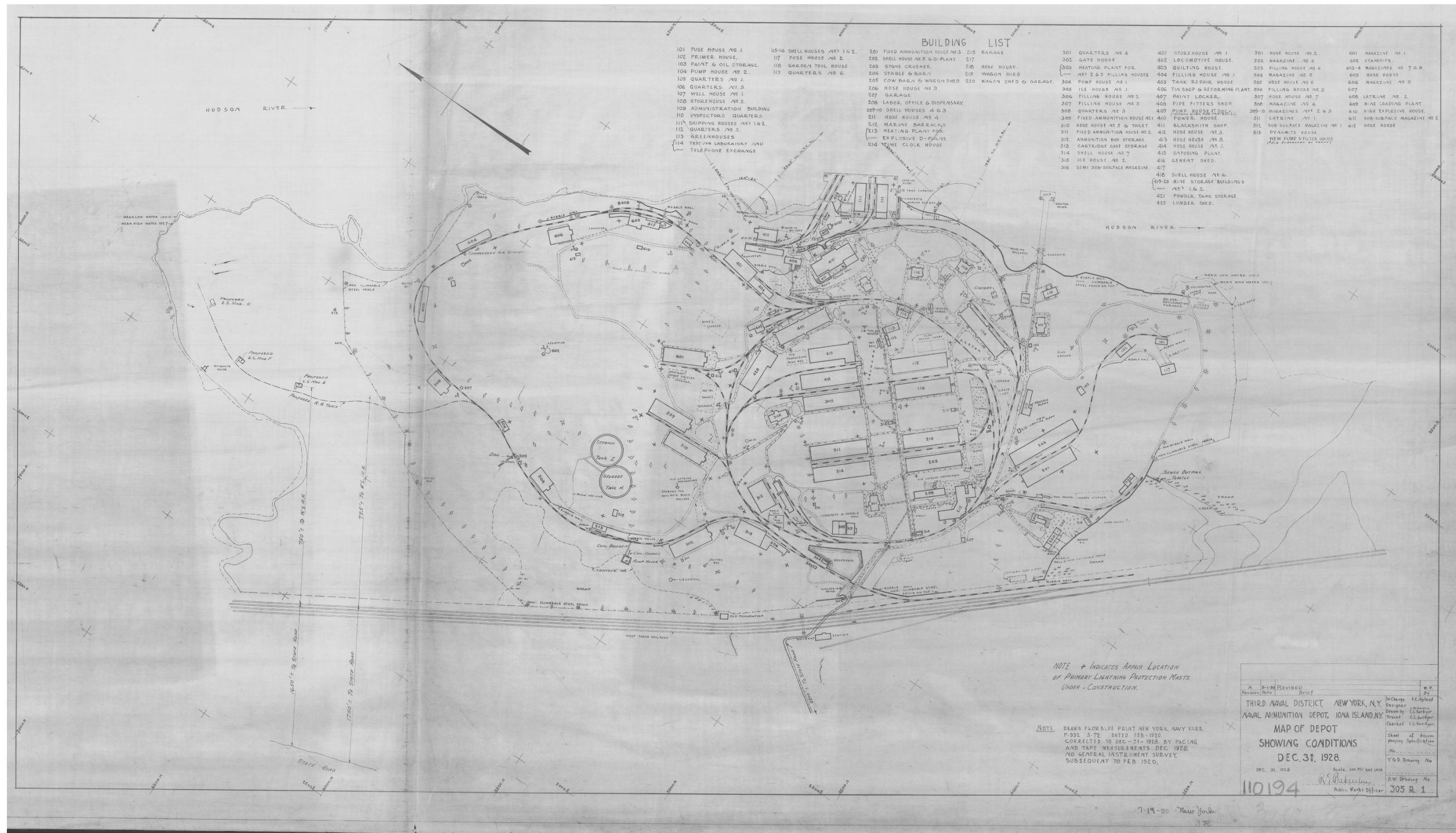
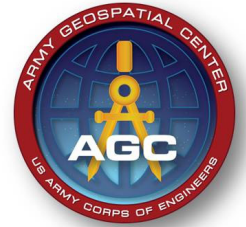
# HISTORICAL REVIEW – 1917 REVISED INSTALLATION LAYOUT OF U.S. NAVAL MAGAZINE, IONA ISLAND, NY



Source: National Archives and Records Administration, Archive II, College Park, MD, Cartographic Records Branch, Record Group 71.



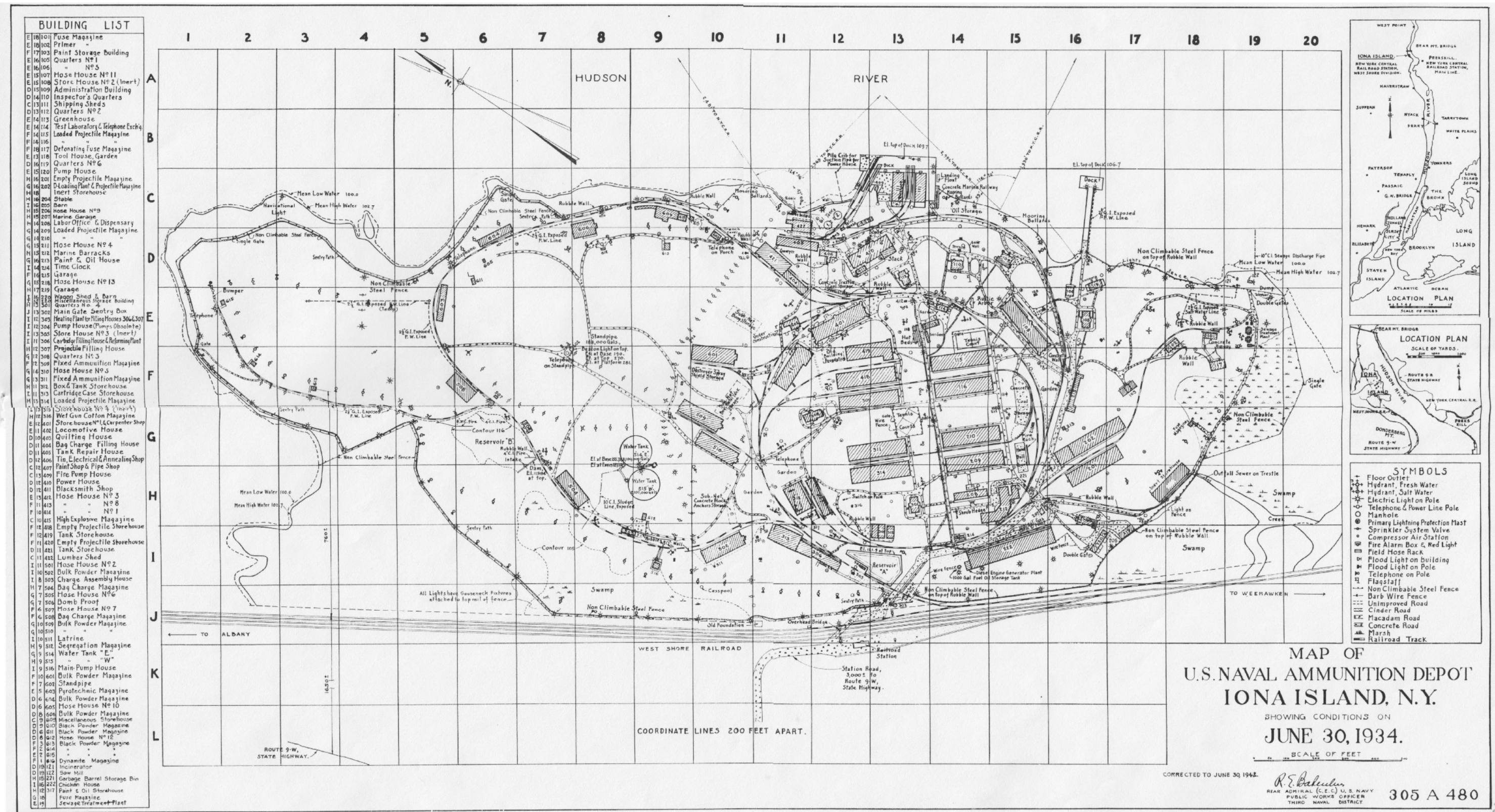
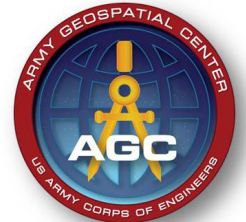
# HISTORICAL REVIEW – 1930 REVISED INSTALLATION LAYOUT OF NAVAL AMMUNITION DEPOT, IONA ISLAND, NY



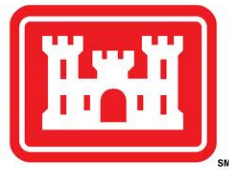
Source: National Archives and Records Administration, Archive II, College Park, MD, Cartographic Records Branch, Record Group 71.



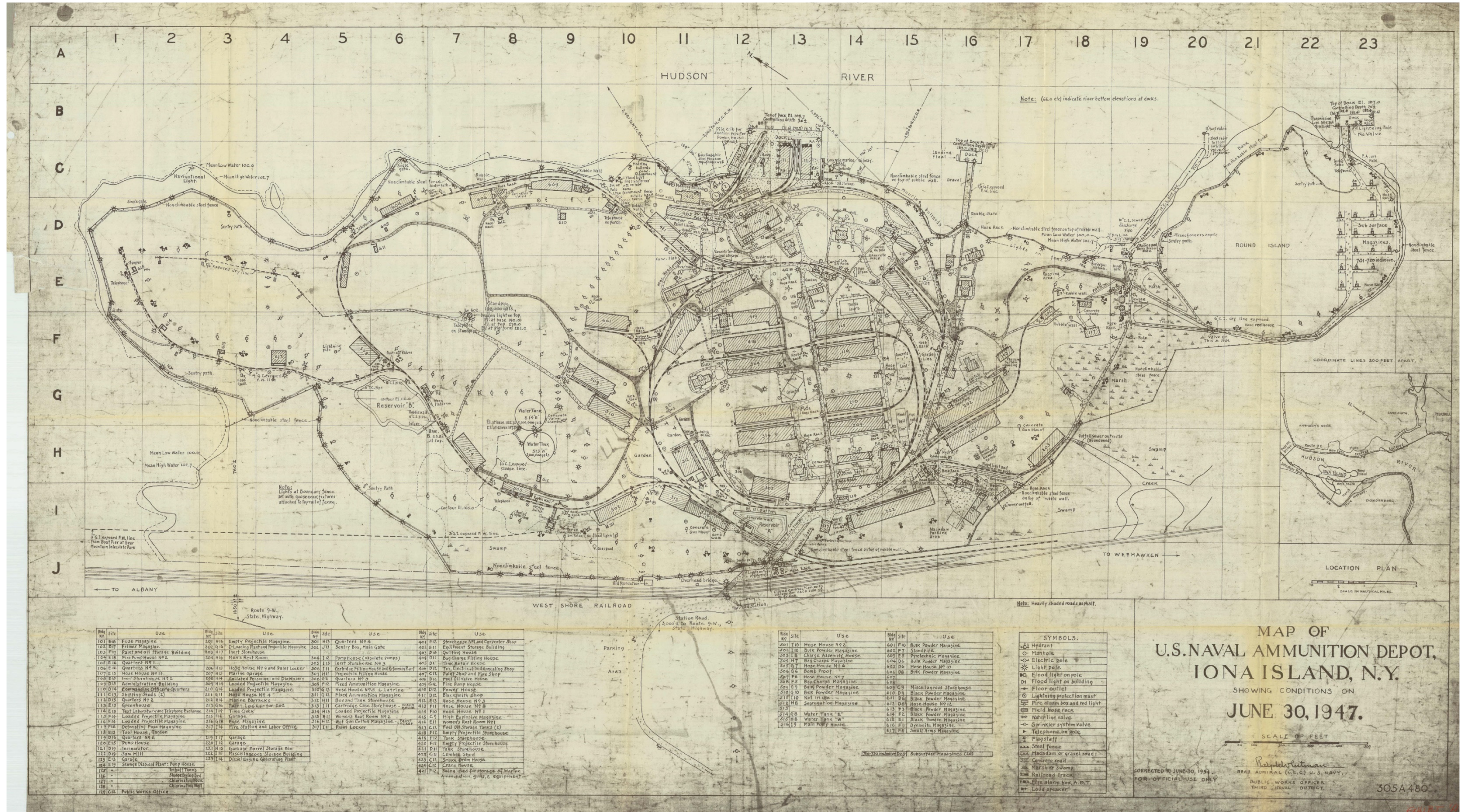
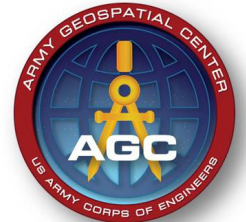
# HISTORICAL REVIEW – 1934 INSTALLATION LAYOUT OF U. S. NAVAL AMMUNITION DEPOT, IONA ISLAND, NY



Source: National Archives and Records Administration, Archive II, College Park, MD, Cartographic Records Branch, Record Group 71.



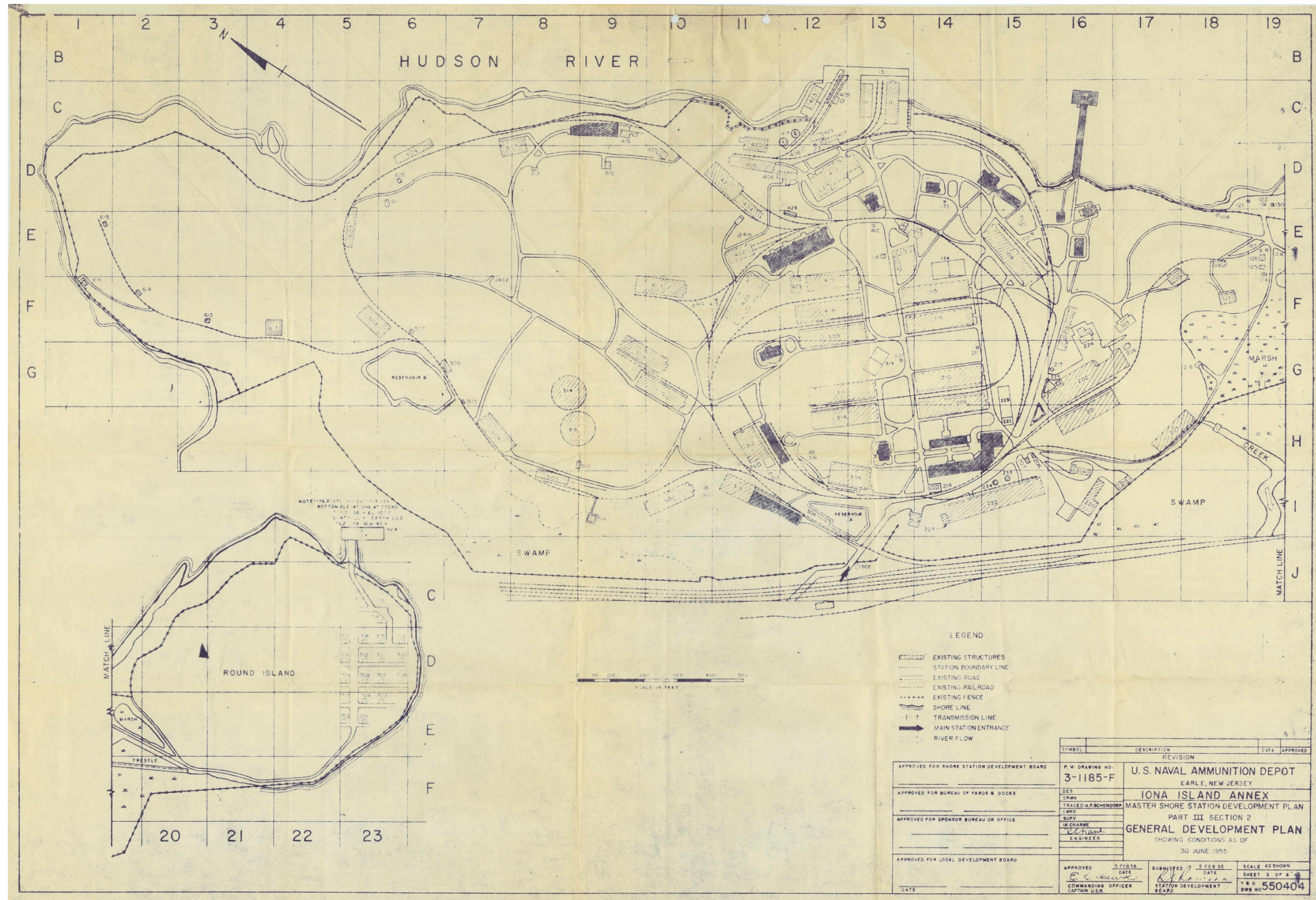
# HISTORICAL REVIEW – 1947 INSTALLATION LAYOUT OF U. S. NAVAL AMMUNITION DEPOT, IONA ISLAND, NY



Source: National Archives and Records Administration, Archive II, College Park, MD, Textual Records Branch, Record Group 291.



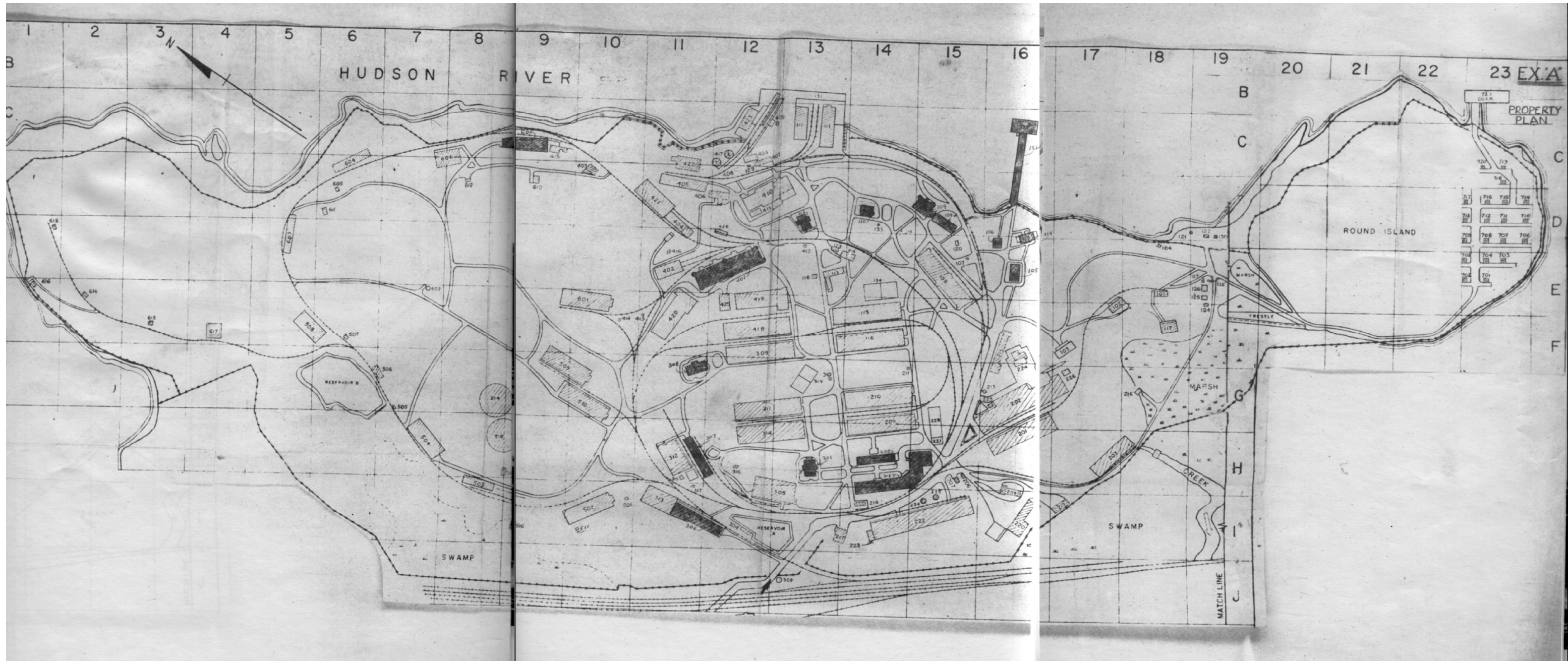
# HISTORICAL REVIEW – 1955 INSTALLATION LAYOUT OF U. S. NAVAL AMMUNITION DEPOT, EARLE, NJ – IONA ISLAND ANNEX



Source: National Archives and Records Administration, Archive II, College Park, MD, Textual Records Branch, Record Group 291.



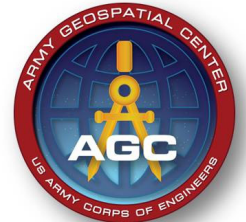
# HISTORICAL REVIEW – 1965 PROPERTY PLAN OF THE FORMER U. S. NAVAL AMMUNITION DEPOT, EARLE, NJ – IONA ISLAND ANNEX



Source: National Archives and Records Administration, Archive II, College Park, MD, Textual Records Branch, Record Group 291.



# HISTORICAL REVIEW – 1965 EXCESS OF REAL PROPERTY



GENERAL SERVICES ADMINISTRATION  
UTILIZATION AND DISPOSAL SERVICE

**DETERMINATION OF SURPLUS**  
(Excess Real Property and Related Personal Property)

1. GSA REGIONAL OFFICE: 2  
2. GSA CONTROL NUMBER: G-NY-497  
3. HOLDING AGENCY NUMBER: [blank]  
4. TYPE OF APPROVAL REQUIRED:  A. REGIONAL ONLY  
5. DATE REPORT OF EXCESS ACCEPTED: 3/3/65  
6. PROPERTY IDENTIFICATION: GSA-DMS Depot, Iona Island & Round Island, Rockland County, New York  
7. TYPE OF DETERMINATION (Check one):  A. ORIGINAL  
8. PROPERTY DETERMINED SURPLUS: A. BUILDINGS, STRUCTURES, UTILITIES, AND MISC. FACILITIES

USE	NO. BUILDINGS	AREA (Sq. Ft.)	ACQUISITION COST
(1) OFFICE	4	8,580	
(2) STORAGE	69	264,599	
(3) OTHER (Specify)			
MISC.	71	195,921	
(4) TOTAL SPACE	144	469,100	
(5) TOTAL ACQUISITION COST			\$4,946,153.88

9. PROTECTION AND MAINTENANCE OF PROPERTY: A. ANNUAL COST: NONE  
B. DATE GSA LIABLE FOR P&M COST: [blank]

10. FINDINGS (Check appropriate statements & explain in Block 11):  A. THE EXCESS PROPERTY HAS BEEN SCREENED AGAINST THE KNOWN DEFENSE AND CIVILIAN REQUIREMENTS OF THE FEDERAL GOVERNMENT. IT IS NOT REQUIRED FOR THE NEEDS AND RESPONSIBILITIES OF ALL FEDERAL AGENCIES AND IS DETERMINED TO BE SURPLUS PROPERTY.

11. REMARKS (Use reverse if more space is required):  
10.A. - Screened by circularization of notice of availability to Federal Agencies pursuant to H.B., Excess and Surplus Real Property, 2-26b (UDS P 4000.1).  
10.D. - GSA is the disposal agency under the provisions of Part 101-47, Federal Property Management Regulations, as amended Dec. 1964.  
CC: Office of Regional Finance & Administration - 20FA (Orig. & one copy) Acting Director, Eastern Division - UR Office of Real Property  
cc: Acting Director, Eastern Division Office of Real Property - URE

CENTRAL OFFICE APPROVAL (When required): [blank]  
REGIONAL OFFICE APPROVAL: Paul R. Laut, Realty Specialist, 3/22/65

GSA WASH DC 62-6788 GSA FORM 1432

STANDARD FORM 118  
DECEMBER 1953  
PRESCRIBED BY GENERAL SERVICES ADMINISTRATION REGULATION 2-IV-201.00

**REPORT OF EXCESS REAL PROPERTY**

1. HOLDING AGENCY NO.: [blank]  
DATE RECEIVED (GSA use only): MAR 3 - 1965  
2. DATE OF REPORT: 3/3/65  
GSA CONTROL NO. (GSA use only): G-NY-497

3. TO (Furnish address of GSA regional office): General Services Administration, Utilization & Disposal Service, 30 Church Street, New York, N. Y.  
4. FROM (Name and address of holding agency): General Services Administration, 30 Church Street, New York, N. Y., 10007  
5. NAME AND ADDRESS OF REPRESENTATIVE TO BE CONTACTED: Edwin H. Lawton, Regional Director, PBS, 30 Church Street, New York, N. Y., 10007  
6. NAME AND ADDRESS OF CUSTODIAN: Same as Item No. 5  
7. PROPERTY IDENTIFICATION: GSA-DMS Depot, Iona Island and Round Island, N. Y.  
8. PROPERTY ADDRESS (Give full location): Bear Mountain, New York

9. SPACE DATA

USE	NUMBER OF BUILDINGS (1)	FLOOR AREA (Sq. ft.) (2)	NUMBER OF FLOORS (3)	FLOOR LOAD CAPACITY (4)	CLEAR HEADROOM (5)	(From SF 118b) ACRE OR SQUARE FEET
A. OFFICE	4	8,580	5			A. FEE 118.4
B. STORAGE	69	264,599	72			B. LEASED
C. OTHER (See 9 F)	71	195,921	85			C. OTHER
D. TOTAL (From SF 118a)	144	469,100				D. TOTAL 118.4
E. GOVT INTEREST:						F. SPECIFY "OTHER" USE ENTERED IN C ABOVE
(1) OWNER	144	469,100				
(2) TENANT						

11. COST TO GOVERNMENT: A. BUILDINGS, STRUCTURES, UTILITIES, AND MISCELLANEOUS FACILITIES: \$4,946,153.88  
B. LAND: \$162,396.00  
C. RELATED PERSONAL PROPERTY: NONE  
D. TOTAL (Sum of 11A, 11B, and 11C): \$5,108,549.88

12. LEASEHOLD(S) DATA (Use separate sheet if necessary): A. TOTAL ANNUAL RENTAL: \$  
B. ANNUAL RENT PER SQ. FT. OR ACRE: \$  
C. DATE LEASE EXPIRES:  
D. NOTICE REQUIRED FOR RENEWAL:  
E. TERMINAL DATE OF RENEWAL RIGHTS:  
F. ANNUAL RENEWAL RENT PER SQ. FT. OR ACRE: \$  
G. TERMINATION RIGHTS (in days):

13. DISPOSITION OF PROCEEDS: None  
14. TYPE OF CONSTRUCTION: 1 and 2-story buildings  
Warehouse buildings - brick  
Quarters buildings - frame  
15. HOLDING AGENCY USE: None  
16. RANGE OF POSSIBLE USES: Experimental laboratory research by one user or for park purposes.

17. NAMES AND ADDRESSES OF INTERESTED FEDERAL AGENCIES AND OTHER INTERESTED PARTIES: Palisades Interstate Park Commission

18. REMARKS: Agencies to vacate are presently occupying building.

19. REPORT AUTHORIZED BY: CARL J. BOSTELMANN, CHIEF, SPACE MANAGEMENT DIVISION, PBS  
SIGNATURE: (Signed) Carl J. Bostelmann

CONTROL BY DATE: H 3/5

U. S. GOVERNMENT PRINTING OFFICE 16-60840-1

Source: National Archives and Records Administration, Archive II, College Park, MD, Textual Records Branch, Record Group 291.



# HISTORICAL REVIEW – 1965 EXCESS OF REAL PROPERTY – LAND

## SCHEDULE B – SUPPLEMENT TO REPORT OF EXCESS REAL PROPERTY

Part I of 2



STANDARD FORM 118b  
DECEMBER 1953  
PRESCRIBED BY GENERAL  
SERVICES ADMINISTRATION  
REGULATION 2-IV-201.00

**LAND**

SCHEDULE B—SUPPLEMENT TO REPORT OF EXCESS REAL PROPERTY

LINE NO. (a)	TRACT NO. (b)	NAME OF FORMER OWNER OR LESSOR AND ADDRESS (c)	EXCESS REAL PROPERTY			TYPE OF ACQUISITION (h)	RESTRICTIONS ON USE OR TRANSFER OF GOVERNMENT INTEREST (i)
			TRACT ACQUIRED (Acres) (d)	ACRES (e)	COST (f)		
1		Melinda C. Mace, et al	111.4	111.4	\$ 160,000	Purchase	
2			more or less				
3							
4		County of Rockland, et al	7	7	2,396		
5			more or less				
6							
7		Agreement dated August 8, 1945 between N.Y. Central R.R. Co. and the USA granting permission to install and maintain 6" water pipe line across RR right-of-way.					U.S. Navy Bureau of Ships Contract Test Operation.
8							
9							
10							
11							
12							
13							
14							
15							
16		Revocable Permit dated Dec. 4, 1961 from Palisade Interstate Park Commission to the USA covering access road to Iona Island and construction of a 6" water line.					
17							
18							
19							
20							
21							
22							
23							
24							
25		Letter of Agreement for water service between the N.Y. Central RR and the Commanding Officer dated 10/22/52.					
26							
27							
28							
29							
30							
31							
32							
TOTAL			118.4	118.4	\$ 162,396		

1. HOLDING AGENCY NO.      2. PAGE 1 OF 2 PAGES OF THIS SCHEDULE

3. GOVERNMENT INTEREST      GSA CONTROL NO. (GSA use only)

LEASE       LICENSE  
 PERMIT       EASEMENT  
 FEE       INFORMAL AGREEMENT

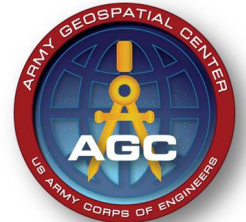
G-NY-497

U. S. GOVERNMENT PRINTING OFFICE 16-09842-1

Source: National Archives and Records Administration, Archive II, College Park, MD, Textual Records Branch, Record Group 291.



# HISTORICAL REVIEW – 1965 EXCESS OF REAL PROPERTY – LAND



## SCHEDULE B – SUPPLEMENT TO REPORT OF EXCESS REAL PROPERTY

Part 2 of 2

STANDARD FORM 118b  
DECEMBER 1953  
PRESCRIBED BY GENERAL  
SERVICES ADMINISTRATION  
REGULATION 2-IV-201.00

**LAND**

SCHEDULE B—SUPPLEMENT TO REPORT OF EXCESS REAL PROPERTY

1. HOLDING AGENCY NO.		2. PAGE <b>2</b> OF <b>2</b> PAGES OF THIS SCHEDULE	
3. GOVERNMENT INTEREST		GSA CONTROL NO. (GSA use only)	
<input type="checkbox"/> LEASE	<input type="checkbox"/> LICENSE	<b>G-NY-497</b>	
<input type="checkbox"/> PERMIT	<input type="checkbox"/> EASEMENT		
<input type="checkbox"/> FEE	<input type="checkbox"/> INFORMAL AGREEMENT		

LINE NO.	TRACT NO.	NAME OF FORMER OWNER OR LESSOR AND ADDRESS	TRACT ACQUIRED (Acres or sq. ft.)	EXCESS REAL PROPERTY			TYPE OF ACQUISITION	RESTRICTIONS ON USE OR TRANSFER OF GOVERNMENT INTEREST
				ACRES OR SQUARE FEET	COST	ANNUAL RENTAL		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1		<b>Revocable Permit dated</b>						
2		<b>September 20, 1945</b>						
3		<b>from Palisades Inter-</b>						
4		<b>state Park Commission</b>						
5		<b>for a 6" water line.</b>						
6								
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31								
32								
TOTAL								

U. S. GOVERNMENT PRINTING OFFICE 16-60842-1

Source: National Archives and Records Administration, Archive II, College Park, MD, Textual Records Branch, Record Group 291.



# HISTORICAL REVIEW – DESCRIPTION OF BUILDINGS

1965 APPRAISAL OF IONA AND ROUND ISLAND, STONY POINT, NEW YORK

Part I of 4



## Group I - Storage, Semi-Industrial and Other Related Units

Bldg. #	Description	Size	Area			
			1st	Other	Total	
101	Storage - bk & conc	E	40 x 20	800	-	800
102	" - block	E	50 x 25	1,250	-	1,250
103	" - bk & stone	E	60 x 30	1,800	-	1,800
108	" - bk & stone 2 sty	E-H-S-2 elev	200 x 50	10,000	10,000	20,000
114	Test - bk & stone	E-H	42 x 22	924	-	924
115	Storage - bk & stone	-	200 x 50	10,000	-	10,000
116	" - bk & stone	-	200 x 50	10,000	-	10,000
117	" - bk & conc	E	50 x 30	1,500	-	1,500
118	" - bk & conc	E-H	17 x 16	272	-	272
130	Paper bailing - frame	-	41 x 13	533	-	533
201	Storage - bk & stone	-	200 x 50	10,000	-	10,000
202	Shop - bk-stone-conc	E-H-S	282 x 72 ir	16,929	-	16,929
203	Storage - bk & conc 2 sty	E-H-S-elev	150 x 40	6,000	6,000	12,000
209	" - bk & stone	-	200 x 50	10,000	-	10,000
210	" - bk & stone	-	200 x 50	10,000	-	10,000
213	" - bk & conc	-	14 x 10	140	-	140
216	" - conc	-	16 x 12	208	-	208
219	Shop - block & conc	E	56 x 20	1,120	-	1,120
220	Shop - bk-block-conc NFP	E-H	46 x 44 ir	3,546	-	3,546
222	Storage - bk & conc 2 sty	E-H-S-2 elev	300 x 50	15,000	15,000	30,000
224	Shop - conc - pt. 2 sty	E-H-elev	44 x 31 ir	1,800	900	2,700
225	Shop - conc	-	20 x 13	269	-	269
226	Shop - conc	-	20 x 11	220	-	220
305	Storage - bk & conc	E-S	125 x 60	7,584	-	7,584
306	Shop - bk & conc pt. 2 sty	E-H	32 x 49 ir	5,400	1,650	7,050
307	Shop - bk & conc	E-H-S	140 x 27	3,780	-	3,780
309	Storage - bk & stone	-	200 x 50	10,000	-	10,000
311	" - bk & stone	-	200 x 50	10,000	-	10,000
312	" - bk & conc	-	101 x 60	6,060	-	6,060
313	Storage - bk & conc	Pt. H	101 x 60	6,060	-	6,060
314	" - tile-stucco-conc	-	198 x 50	10,067	-	10,067
316	" - bk & conc	-	9 x 7	63	-	63
317	" - bk & conc	-	9 x 9	81	-	81

bk	- brick
block	- cinder and/or concrete block
conc	- concrete
E	- electric
elev	- elevator
H	- heat
N. F. P.	- non-fireproof
S	- sprinkler

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Source: National Archives and Records Administration, Archive II, College Park, MD, Textual Records Branch, Record Group 291.



# HISTORICAL REVIEW – DESCRIPTION OF BUILDINGS

1965 APPRAISAL OF IONA AND ROUND ISLAND, STONY POINT, NEW YORK

Part 2 of 4



Bldg. #	Description	Size	Area		
			1st	Other	Total
401	Shop - bk & stone 2 sty E-H-S-2 elev	200 x 50	10,000	10,000	20,000
402	Shop - bk & conc E-H	79 x 37	2,923	-	2,923
403	Shop - frame & stone E-H	30 x 20 ir	821	-	821
404	Shop - bk & conc - pt. 2 sty E-H-S-hoist	100 x 30	3,000	750	3,750
405	Shop - bk & conc E-H	140 x 30	4,200	-	4,200
406	Shop - bk & stone - pt. 2 sty E-H	62 x 26 ir	1,912	1,612	3,524
407	Shop - bk & conc E-H	59 x 16	949	-	949
411	Shop - bk & conc E-H	47 x 21	987	-	987
415	Storage - bk-stone-conc E-S	34 x 22 ir	998	-	998
418	" - tile-stucco-conc E-S	198 x 50	10,067	-	10,067
419	" - tile-stucco-conc E	161 x 49 ir	8,414	-	8,414
420	" - tile-stucco-conc E	161 x 49	8,489	-	8,489
421	" - bk & conc E	120 x 50	6,000	-	6,000
422	" - frame-stone-bk-2 sty -	70 x 40 ir	2,950	2,800	5,750
423	" - block & conc -	69 x 26	1,802	-	1,802
424	" - bk & conc E-H	37 x 18	666	-	666
425	Shop - bk & conc E	50 x 24	1,100	-	1,100
502	Storage - bk-stone-conc E	150 x 50 ir	7,300	-	7,300
503	Shop - tile & conc E-H-S	100 x 26	2,609	-	2,609
504	Storage - bk & stone -	124 x 50	6,200	-	6,200
506	" - bk & frame -	44 x 20	880	-	880
508	" - bk & stone -	99 x 50	4,975	-	4,975
509	" - bk-stone-conc -	150 x 50	7,500	-	7,500
510	" - bk-stone-conc -	150 x 50	7,500	-	7,500
511	" - block-conc-frame -	9 x 7	63	-	63
512	" - conc -	20 x 15	300	-	300
601	Storage - bk-stone-conc -	150 x 50	7,500	-	7,500
603	" - bk & stone -	125 x 25	3,125	-	3,125
604	" - bk & stone -	125 x 25	3,125	-	3,125
606	" - block & stone -	74 x 49	3,719	-	3,719
609	" - bk & conc S	145 x 40 ir	5,550	-	5,550
610	" - conc - buried -	26 x 21	560	-	560
611	" - conc - buried -	20 x 15	300	-	300
613	" - conc - buried -	20 x 15	300	-	300
614	" - conc - buried -	20 x 15	300	-	300
615	" - conc - buried -	20 x 15	300	-	300

bk	- brick
block	- cinder and/or concrete block
conc	- concrete
E	- electric
elev	- elevator
H	- heat
N. F. P.	- non-fireproof
S	- sprinkler

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Source: National Archives and Records Administration, Archive II, College Park, MD, Textual Records Branch, Record Group 291.



# HISTORICAL REVIEW – DESCRIPTION OF BUILDINGS

1965 APPRAISAL OF IONA AND ROUND ISLAND, STONY POINT, NEW YORK

Part 3 of 4



Bldg. #	Description	Size	Area		
			1st	Other	Total
616	Storage - conc - buried	12 x 9	108	-	108
617	" - bk & conc	50 x 48	2,434	-	2,434
701	Storage - block-conc-Igloo	12 x 12	144	-	144
702	" - " " " "	12 x 12	144	-	144
703	" - " " " "	12 x 12	144	-	144
704	" - " " " "	12 x 12	144	-	144
705	" - " " " "	12 x 12	144	-	144
706	" - " " " "	12 x 12	144	-	144
707	" - " " " "	12 x 12	144	-	144
708	" - " " " "	12 x 12	144	-	144
709	" - " " " "	12 x 12	144	-	144
710	" - " " " "	12 x 12	144	-	144
711	" - " " " "	12 x 12	144	-	144
712	" - " " " "	12 x 12	144	-	144
713	" - " " " "	12 x 12	144	-	144
714	" - " " " "	12 x 12	144	-	144
715	" - " " " "	12 x 12	144	-	144
716	" - " " " "	12 x 12	144	-	144
717	" - " " " "	12 x 12	144	-	144
718	" - " " " "	12 x 12	144	-	144
719	" - " " " "	12 x 12	144	-	144
720	" - " " " "	12 x 12	144	-	144
109	Administration - bk-stone-frame - 2 sty	50 x 42	2,575	2,575	5,150
109A	Administration-frame & conc	75 x 28	2,100	-	2,100
208	Dispensary-bk-stone-frame	119 x 26	3,094	-	3,094
214	Office - bk & frame	39 x 11	429	-	429
302	Guard bldg-conc & stone	8'diameter	252	-	252
123	Garage - bk & frame	25 x 14	350	-	350
207	Garage - bk & conc	24 x 18	432	-	432
215	" - bk & conc	139 x 19	2,687	-	2,687
111	Pier sheds-metal frame & side-	100 x 118 ir	13,000	-	13,000
131	Wharf-wood & steel piles-open	145 x 50 ir	29,350	-	29,350
132	Wharf-wood piles - open	80 x 40	3,200	-	3,200
721	Wharf-wood piles - open	125 x 40	5,000	-	5,000
Group #1 - Overall Totals			366,681	51,287	417,968

bk	- brick
block	- cinder and/or concrete block
conc	- concrete
E	- electric
elev	- elevator
H	- heat
N. F. P.	- non-fireproof
S	- sprinkler

18

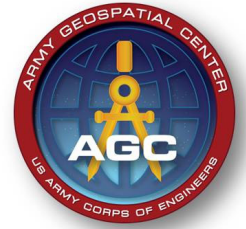
Source: National Archives and Records Administration, Archive II, College Park, MD, Textual Records Branch, Record Group 291.



# HISTORICAL REVIEW – DESCRIPTION OF BUILDINGS

1965 APPRAISAL OF IONA AND ROUND ISLAND, STONY POINT, NEW YORK

Part 4 of 4



- bk - brick
- block - cinder and/or concrete block
- conc - concrete
- E - electric
- elev - elevator
- H - heat
- N. F. P. - non-fireproof
- S - sprinkler

<u>Group 2 - Residential</u>								
<u>Bldg. #</u>	<u>Description</u>	<u>Stories</u>	<u>Apt.</u>	<u>Rms.</u>	<u>Size</u>	<u>Area 1st</u>	<u>Area 2nd</u>	<u>Total 1st &amp; 2nd</u>
105	Housing-bk-stone-frame	2 BA	2	12	56 x 29	1,657	1,657	3,314
106	" - " " "	2 BA	1	9	31 x 30	971	971	1,942
110	" - " " "	2 BA	1	16	43 x 36	1,589	1,589	3,178
112	" - " " "	2 BA	2	12	56 x 29	1,657	1,657	3,314
119	" - " " "	2 BA	2	12	50 x 28	1,400	1,400	2,800
212	Barracks-bk-conc-frame pt. 2 sty	-	-	31	262 x 36 ir	13,312	11,840	25,152
301	Housing-bk-stone-frame	2 BA	2	12	56 x 29	1,657	1,657	3,314
308	" - " " "	2 BA	2	12	56 x 29	1,657	1,657	3,314
Group #2 - Total						23,900	22,428	46,328

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Source: National Archives and Records Administration, Archive II, College Park, MD, Textual Records Branch, Record Group 291.



# AERIAL PHOTO & SATELLITE IMAGERY COVERAGE



## Researched Aerial Photography and Satellite Coverage – Part 1 of 2

<b>Date</b>	<b>Scale</b>	<b>Remarks</b>
1931 Aug 06	-	NARA-CP, Still Pictures Branch. Oblique aerial photo.
1931 May	-	Rockland County Archives, Rockland County, New York.
1943 Jan 01	1:10,000	NARA-CP, Cartographic Records Branch.
1943 Jul 16	1:25,000	NARA-CP, Cartographic Records Branch, courtesy MVS (ASR Backup Material).
1944 Mar 07	-	NARA-CP, Still Pictures Branch. Oblique aerial photos.
1946 Mar 13	1:22,000	NARA-CP, Cartographic Records Branch, courtesy MVS (ASR Backup Material).
1948 Jun 18	1:6,545	NARA-CP, Still Pictures Branch.
1948 Jun 18	-	NARA-CP, Still Pictures Branch. Oblique aerial photos.
1949 Apr 04	1:5,090	NARA-CP, Still Pictures Branch, courtesy MVS (ASR Backup Material).
1949 Apr 04	-	NARA-CP, Still Pictures Branch, courtesy MVS (ASR Backup Material). Oblique photos.
1955 May 02	1:24,000	NARA-CP, Still Pictures Branch, courtesy MVS (ASR Backup Material).
1957 May	-	NARA-CP, Still Pictures Branch, courtesy MVS (ASR Backup Material).

ASR = Archives Search Report

MVS = U.S. Army Corps of Engineers, St. Louis, District.

NARA-CP = National Archives & Records Administration, Archives II, College Park, MD.



# AERIAL PHOTO & SATELLITE IMAGERY COVERAGE



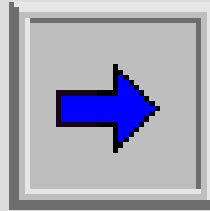
## Researched Aerial Photography and Satellite Coverage – Part 2 of 2

<b>Date</b>	<b>Scale</b>	<b>Remarks</b>
1958 Jun 07	1:60,000	U.S. Geological Survey, EarthExplorer download.
1965 Nov 10	-	Courtesy MVS (ASR Backup Material).
1973 Dec 03	-	Declassified NGA satellite imagery, NARA-CP.
1980 Apr 21	-	Courtesy MVS (ASR Backup Material).
1986 Mar 31	-	Courtesy MVS (ASR Backup Material).
1994 Apr 04	1:40,000	NAPP aerial photography. Courtesy MVS (ASR Backup Material).
2013 May 01	-	Ortho-rectified imagery; U.S. Geological Survey, EarthExplorer download.
2017 Feb 18	-	Digital Globe, Inc. Ortho-rectified satellite imagery in 3 bands (RGB). Pixel resolution is 1 foot.
2018 Jan 21	-	Digital Globe, Inc. Ortho-rectified satellite imagery in 3 bands (RGB). Pixel resolution is 1 foot.

MVS = U.S Army Corps of Engineers, St. Louis District  
 NAIP = National Agriculture Imagery Program  
 NAPP = National Aerial Photography Program  
 NARA-CP = National Archives & Records Administration, Archives II, College Park, MD.  
 NGA = National Geospatial-Intelligence Agency  
 RGB = Red, Green, Blue

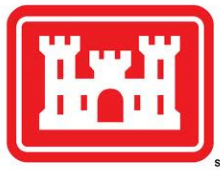


Photo  
Interpretation  
Of Aerial And  
Ground  
Photography



Map & Photographic Data

 Findings from available historical data.



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

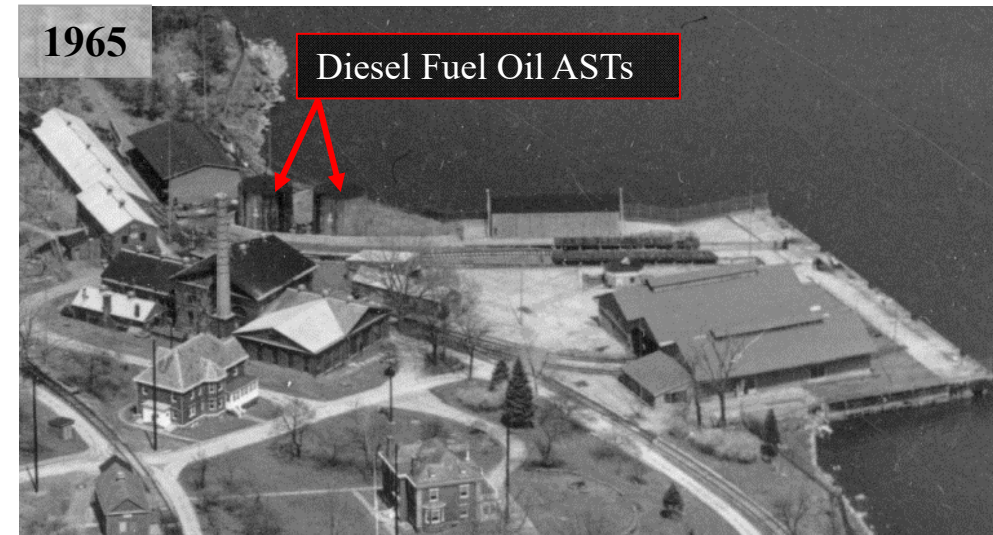


## BUILDING NO. 417 – DIESEL FUEL OIL STORAGE TANKS AND FUEL OIL VALVE HOUSE

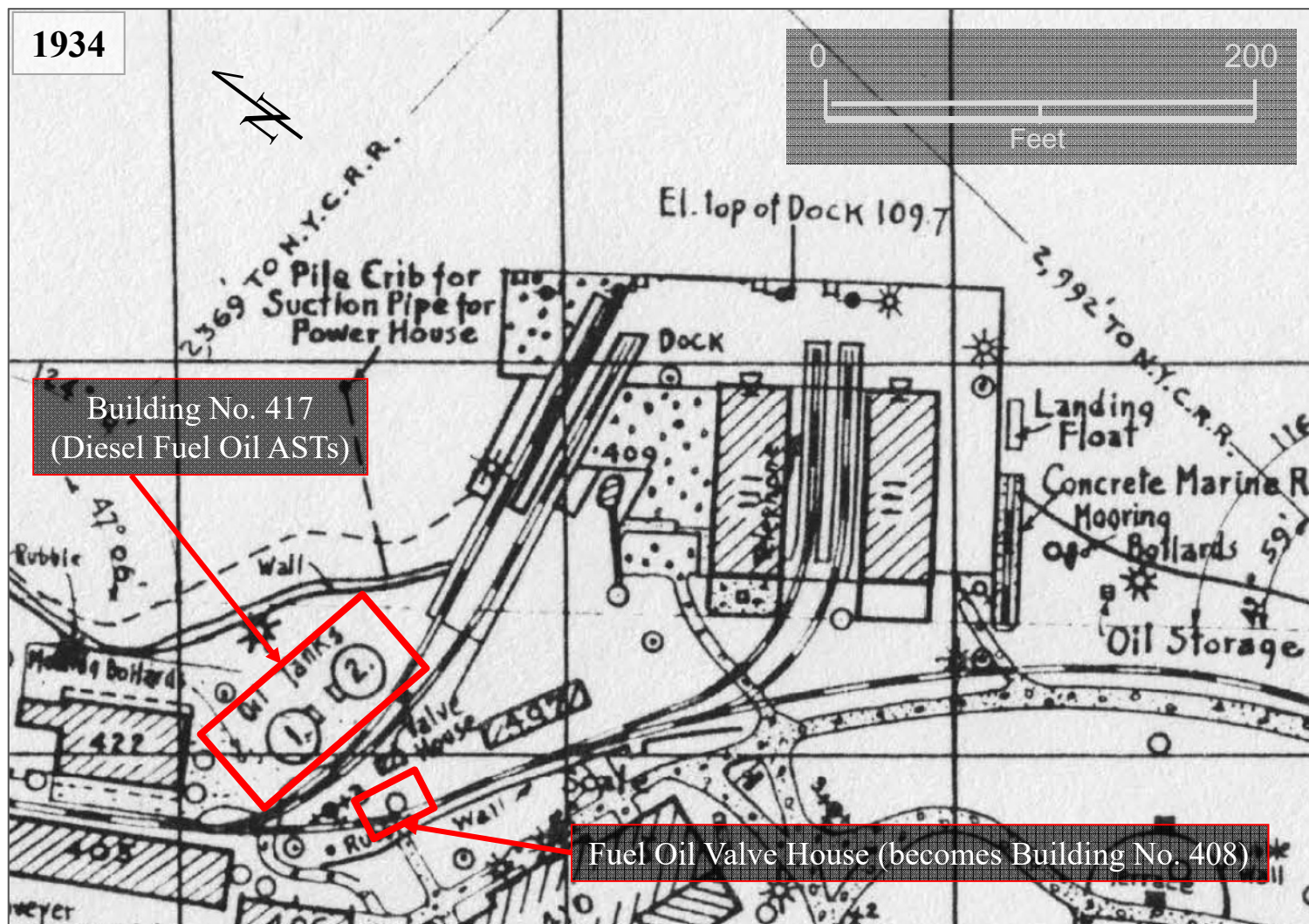
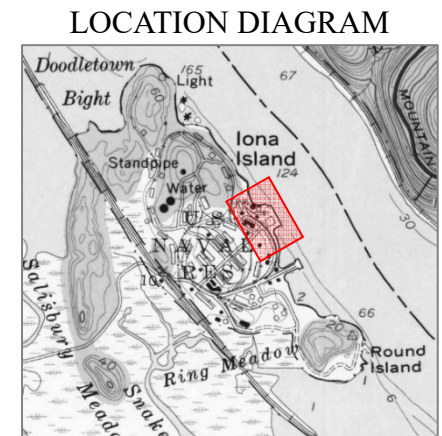
A pair of fuel oil storage tanks and valve house, first observed on a 1934 official layout plan, are last observed on 1965 aerial photography.

Two liquid fuel storage, bulk, capacity 2,952 barrels (fuel oil), concrete foundation, steel & brick walls, steel roof.

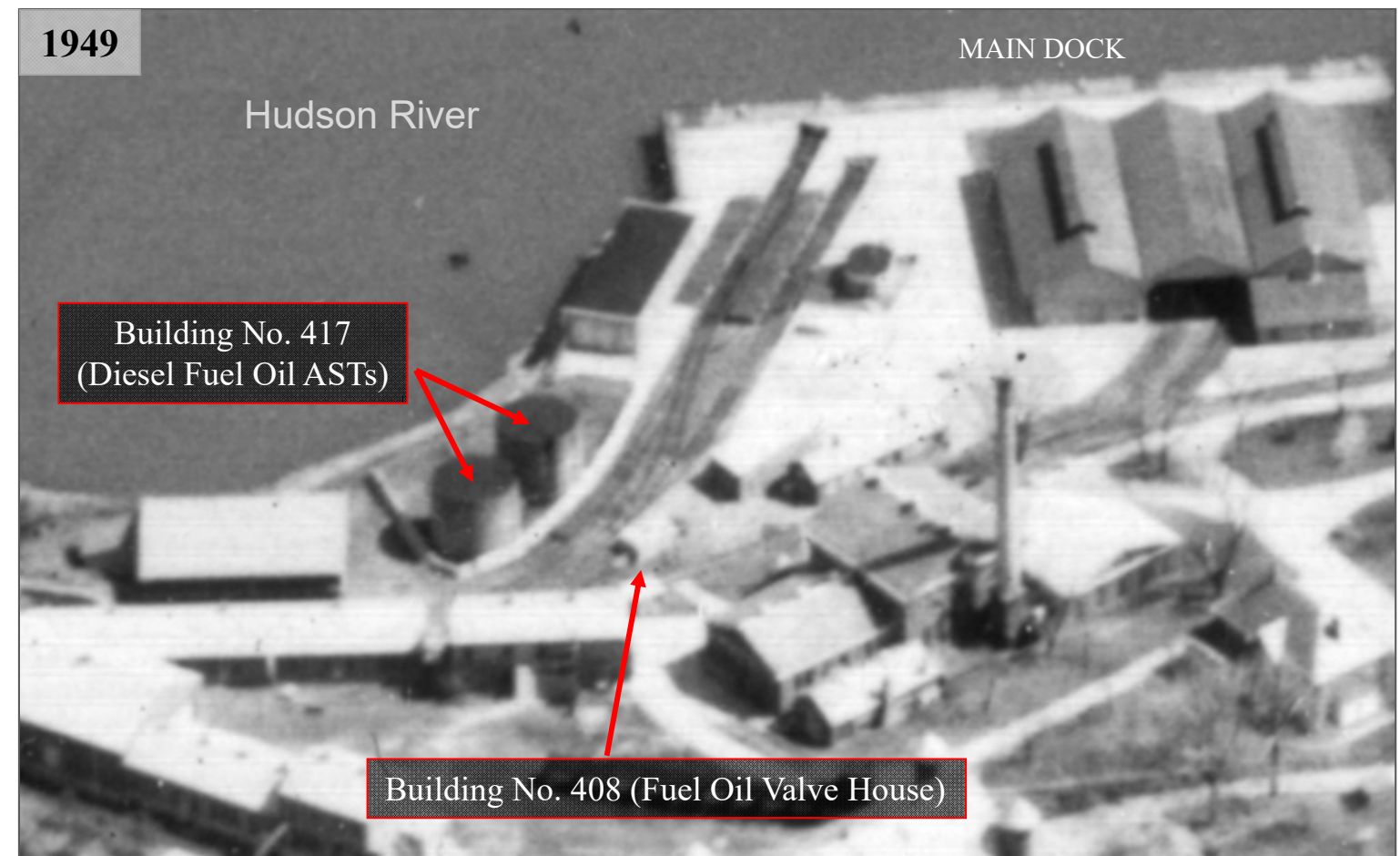
Source: GSA Appraisal dated 1965.



1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif



1934Jun30\_NAVFEC\_Layout\_Plan\_NAD\_Iona\_Island.pdf



1949apr04\_NARA-CP\_RG80\_406100\_NAD\_Iona\_Island\_o.tif

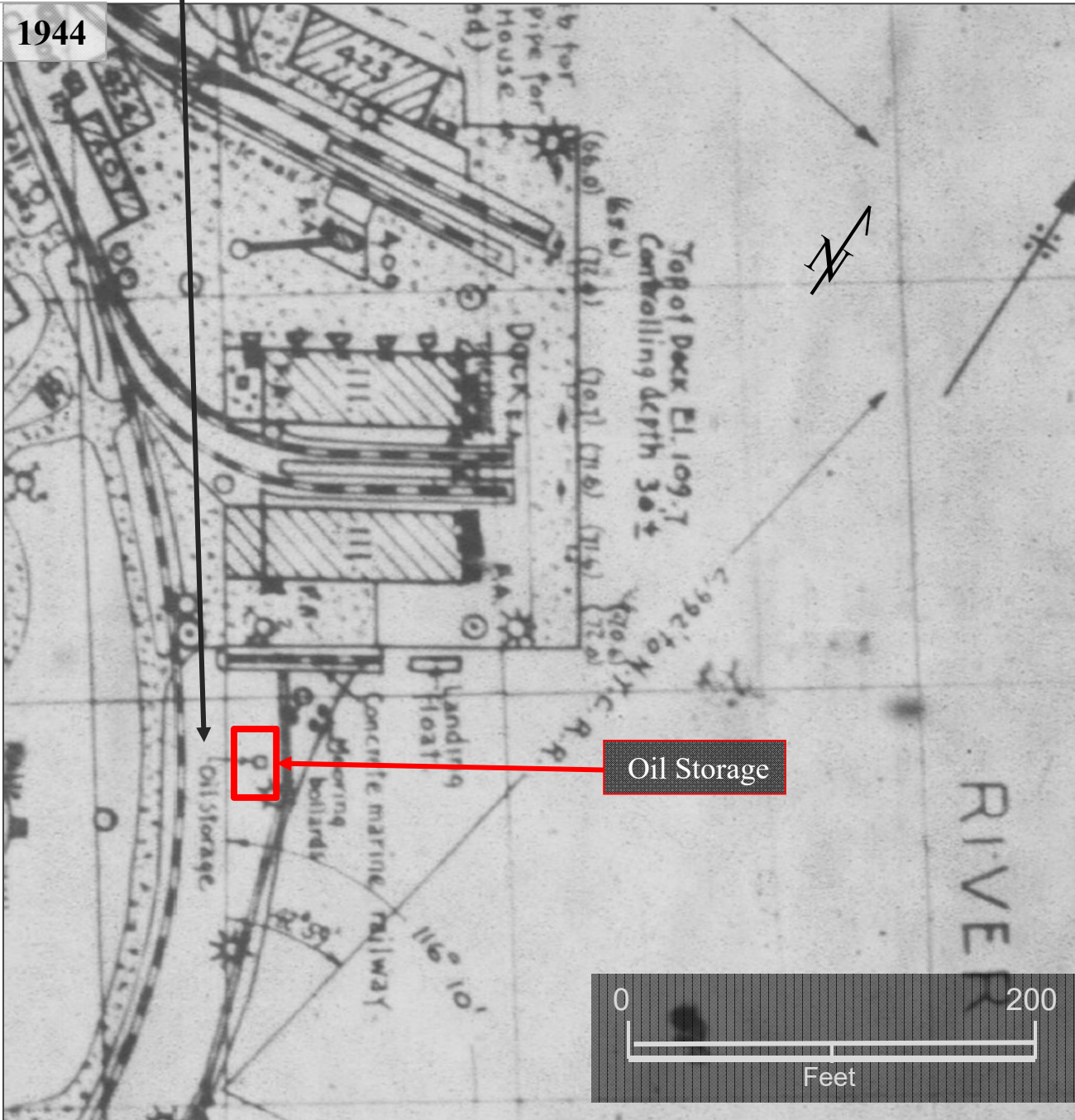


# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

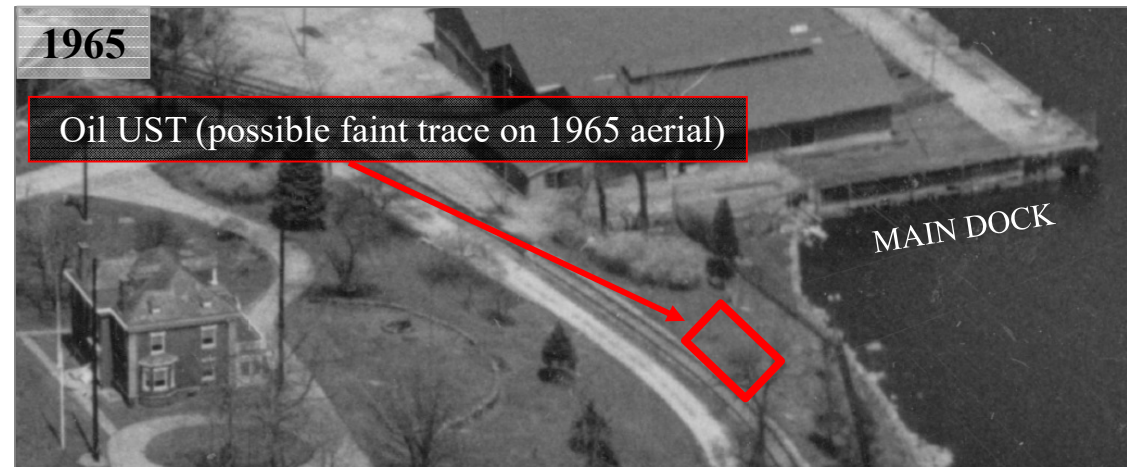


## OIL STORAGE TANK – ADJACENT TO MAIN DOCK

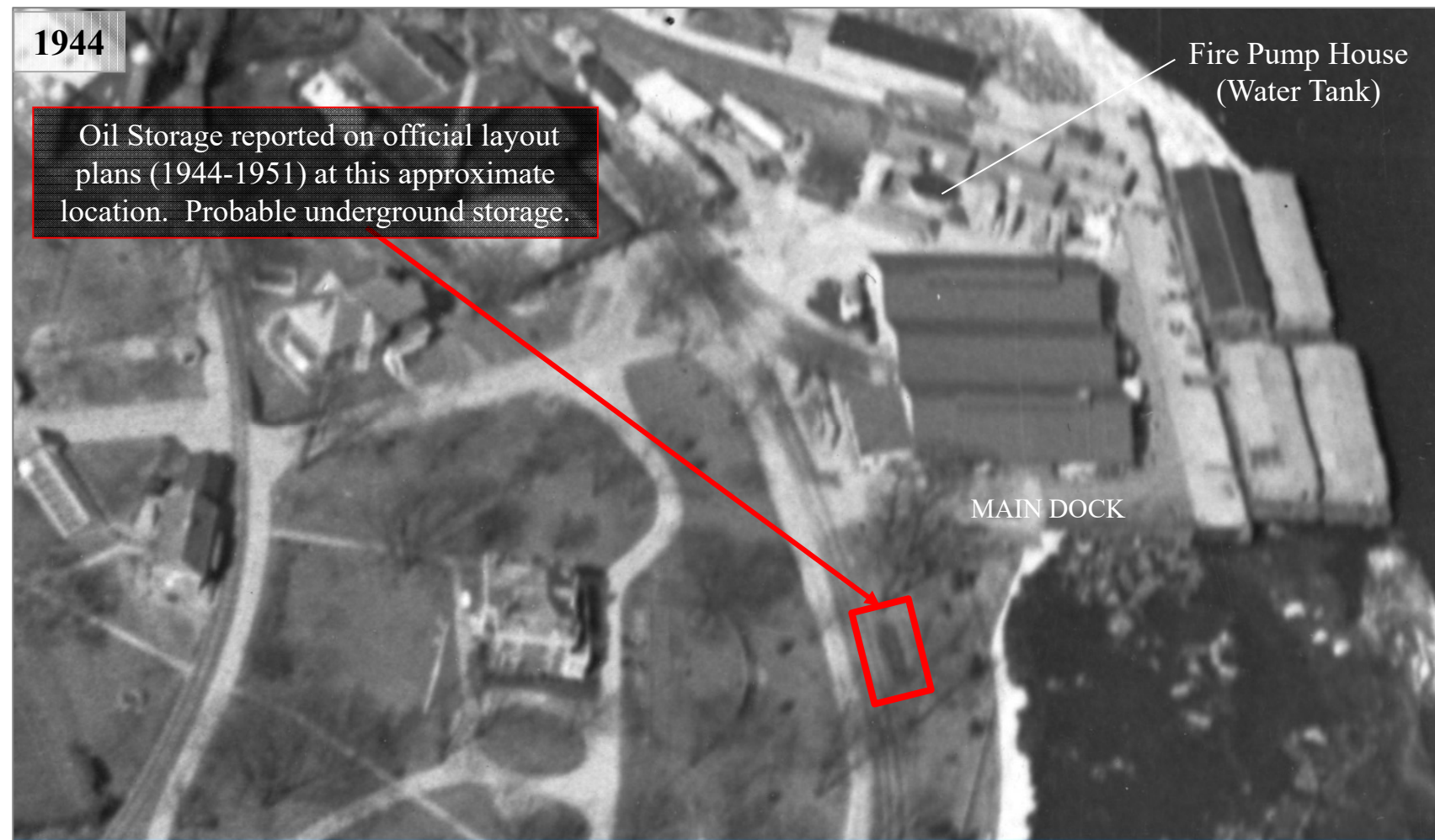
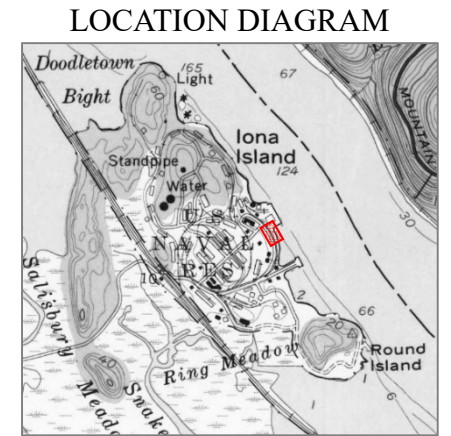
“Oil Storage”



1944Jun30\_corrected1943\_NAVFEC\_Layout\_Plan\_NAD\_Iona\_island.pdf



1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif



1944mar07\_NARA2\_RG80\_221153\_NAD\_Iona\_Isle.tif

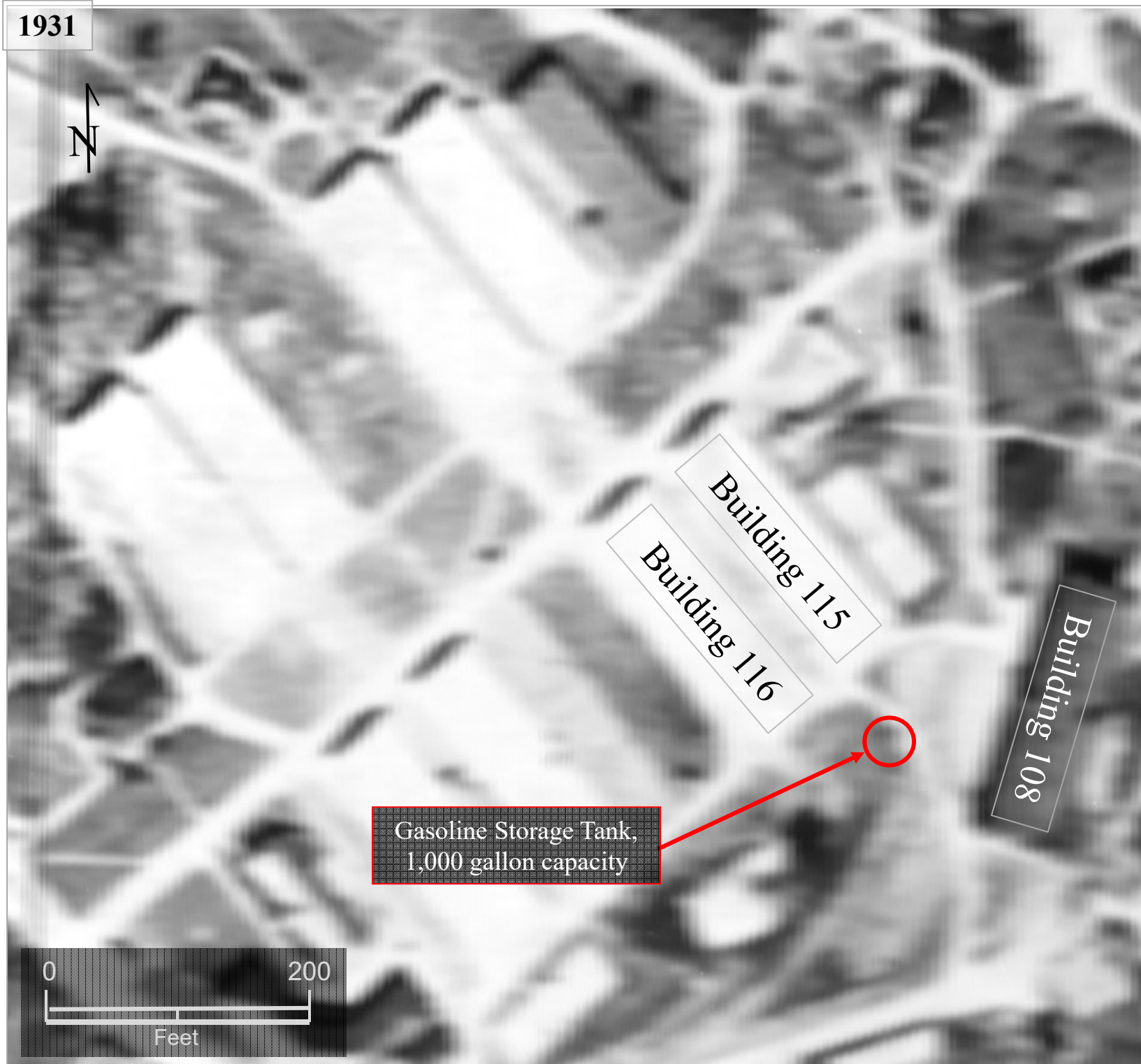
UST = Underground storage tank



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



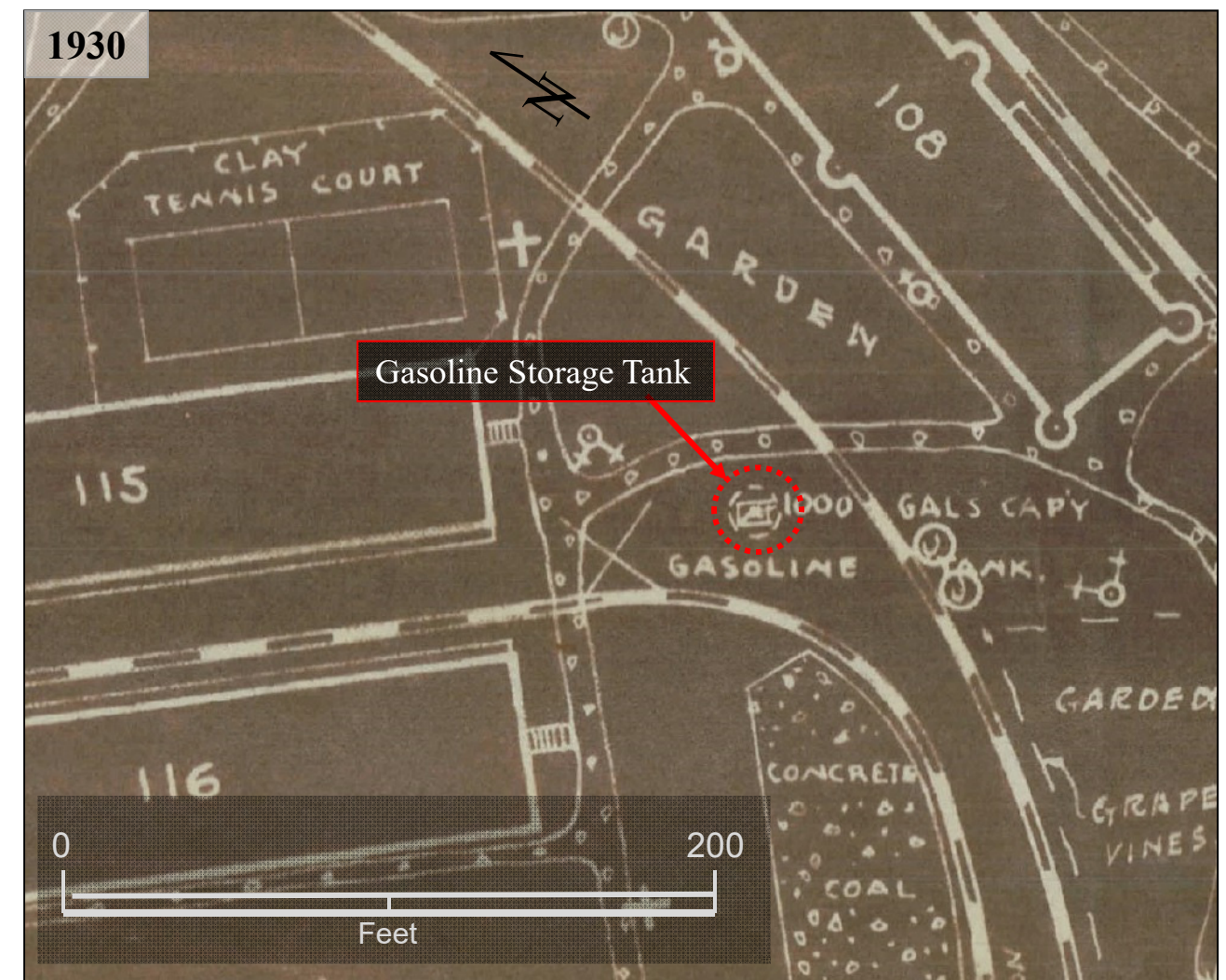
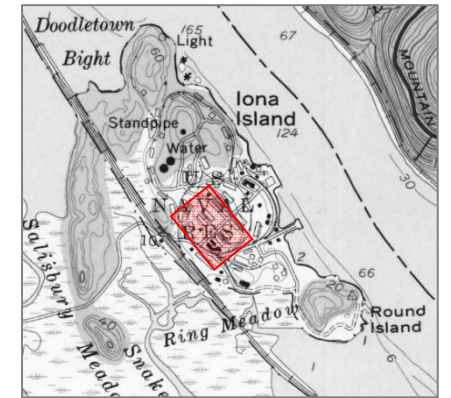
## GASOLINE STORAGE TANK



1931May\_Rockland\_Co\_Archives\_NAD\_Iona\_Island.tif

A 1,000 gallon capacity gasoline storage tank, identified on 1930 & 1933 official layout plans, is not indicated on NAD Iona Island layout plans from 1934 and later date.

### LOCATION DIAGRAM



1930May01\_rev1928Dec31\_NARA-CP\_RG71\_Layout\_NAD\_Iona\_Island.pdf



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



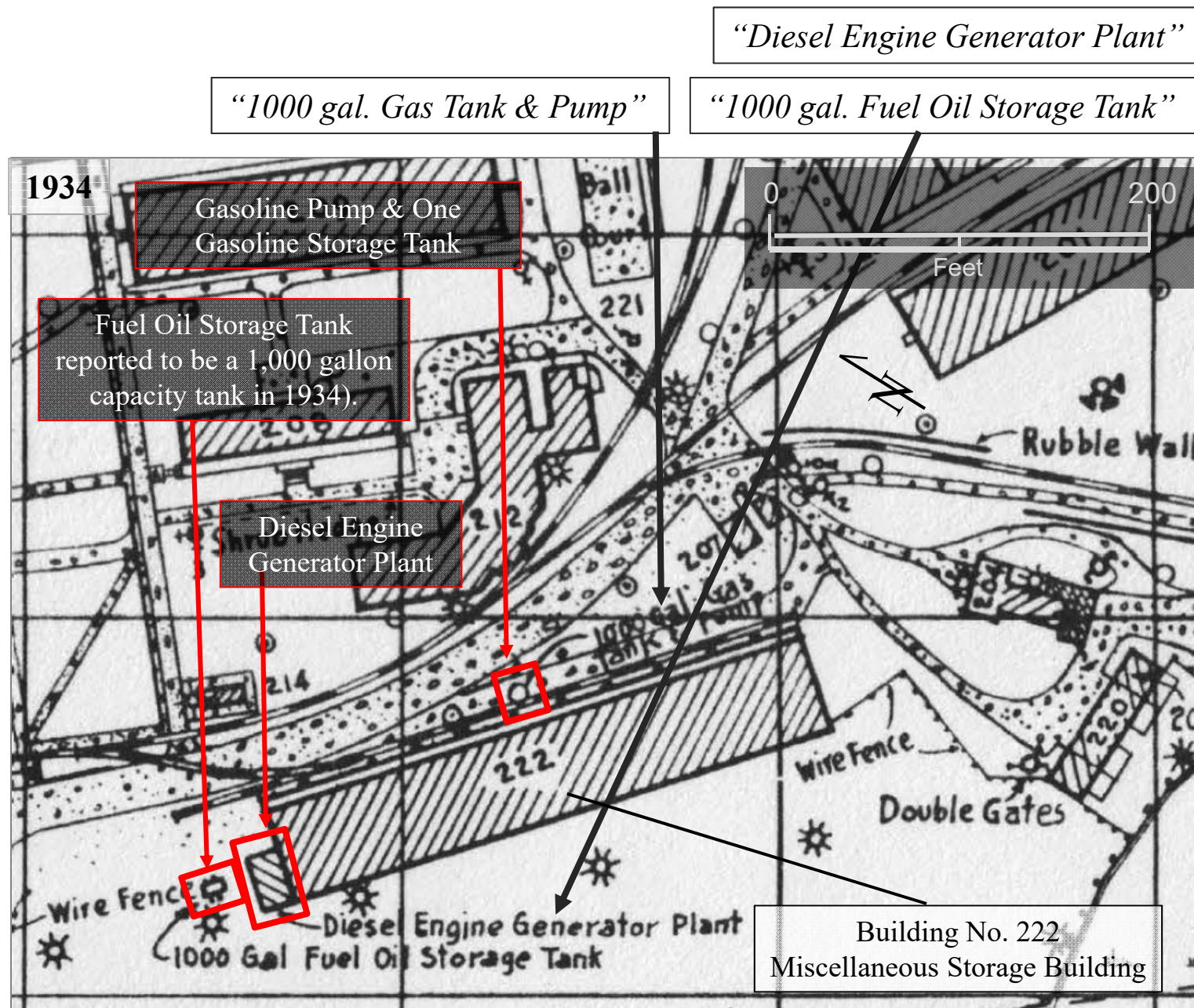
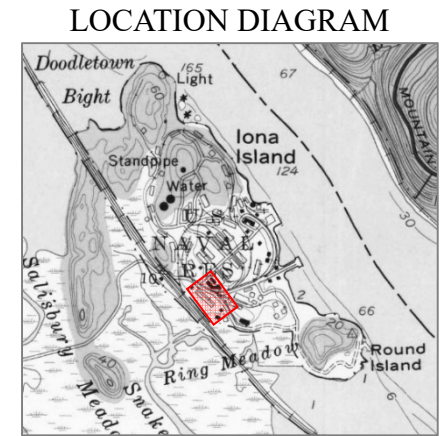
## GASOLINE TANK & PUMP, FUEL OIL STORAGE TANK, & DIESEL ENGINE GENERATOR PLANT

PART 1 OF 2

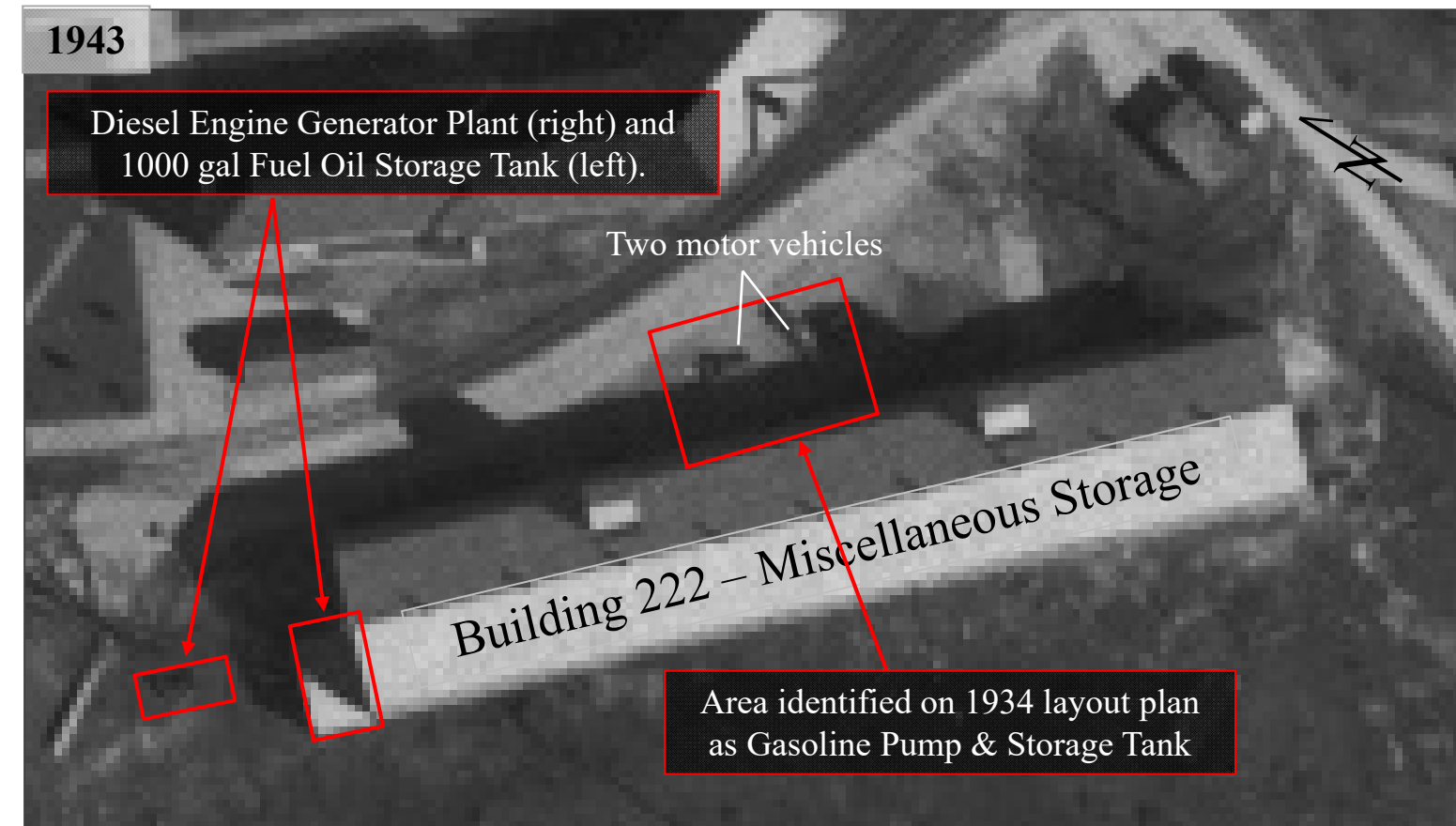
Important Note: Building No. 222, as well as a Gasoline Pump & Storage Tank (both shown below), are not depicted on an earlier official layout plans – including a map showing conditions as of June 30 1933.



2018Jan21\_NGA\_ortho\_cell\_Iona.tif



1934Jun30\_NAVFEC\_Layout\_Plan\_NAD\_Iona\_Island.pdf



1943jan01\_NARA-CP\_RG373\_fr1V07\_Iona.tif



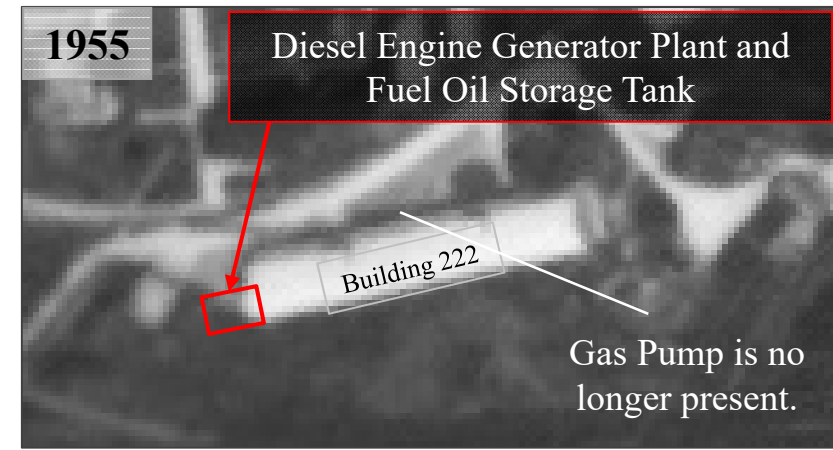
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



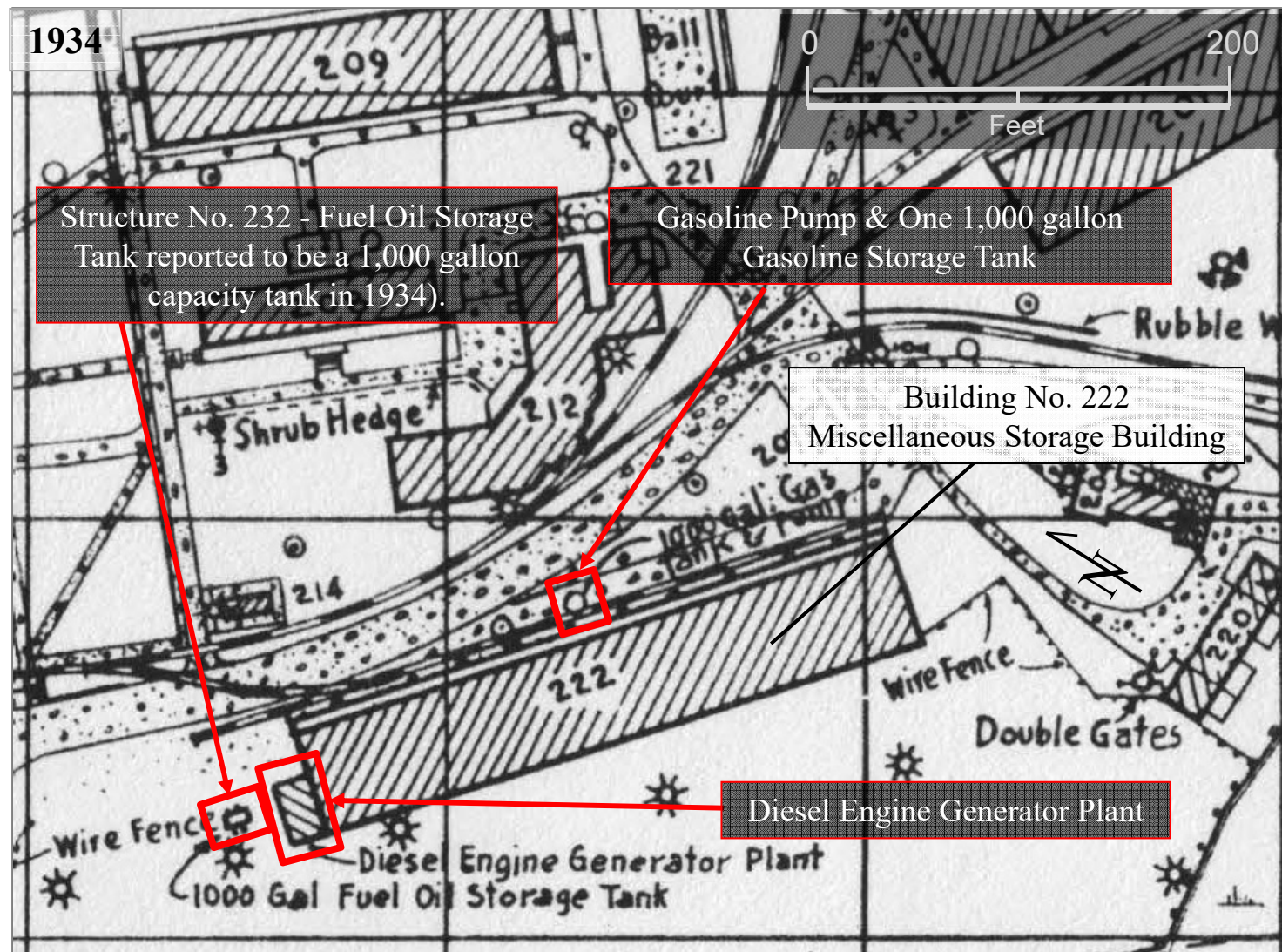
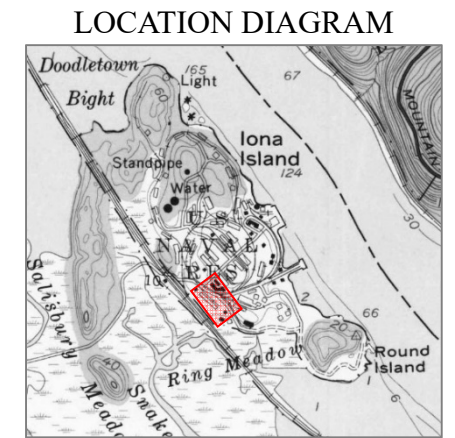
## GASOLINE TANK & PUMP, FUEL OIL STORAGE TANK, & DIESEL ENGINE GENERATOR PLANT

PART 2 OF 2

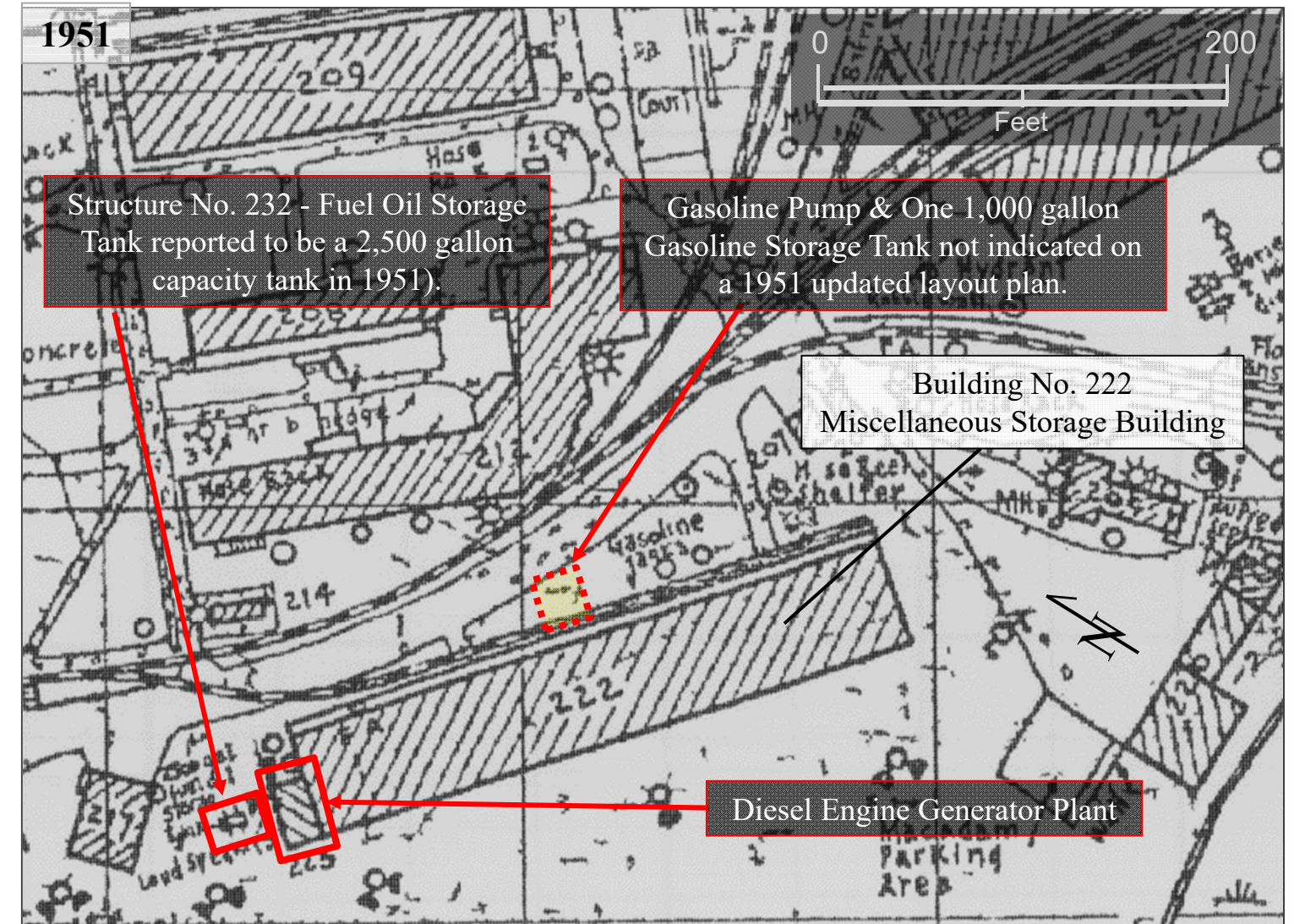
A 1,000 gallon capacity fuel oil storage tank (Structure No. 232), identified without a building number on a 1934 official layout plan lying adjacent to Building No. 222, is identified as a 2,500 gallon capacity tank on an NAD Iona Island layout plan updated to 1951. These reported findings suggest that a 1,000 gallon capacity tank was removed and replaced with a larger 2,500 gallon capacity tank. By 1951, the gasoline pump and associated tank adjacent to Building No. 222 is no longer reported on map data.



1955may02\_NARA-CP\_RG373\_fr166\_Iona.tif



1934Jun30\_NAVFEC\_Layout\_Plan\_NAD\_Iona\_Island.pdf



1951Jun30\_corrected1947\_MAP\_layout\_Iona.pdf



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

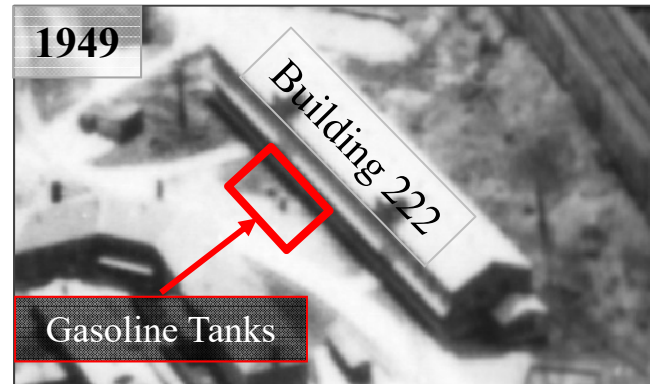


## GASOLINE TANKS ADJACENT TO BUILDING 222

Structure Nos. 234 and 235. Liquid fuel storage, bulk, earth foundation, steel wall, steel roof.

Structure No. 234: 1,500 gallon capacity.  
Structure No. 235: 1,000 gallon capacity.  
Source: GSA Appraisal dated 1965

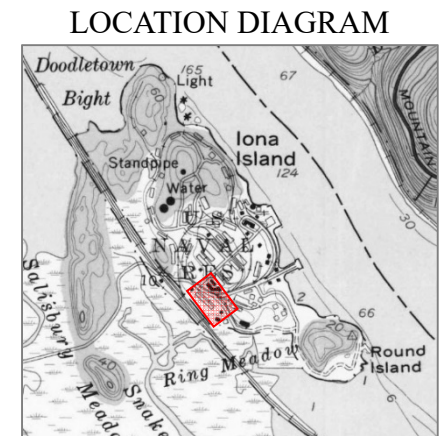
*“Gasoline Tanks”*



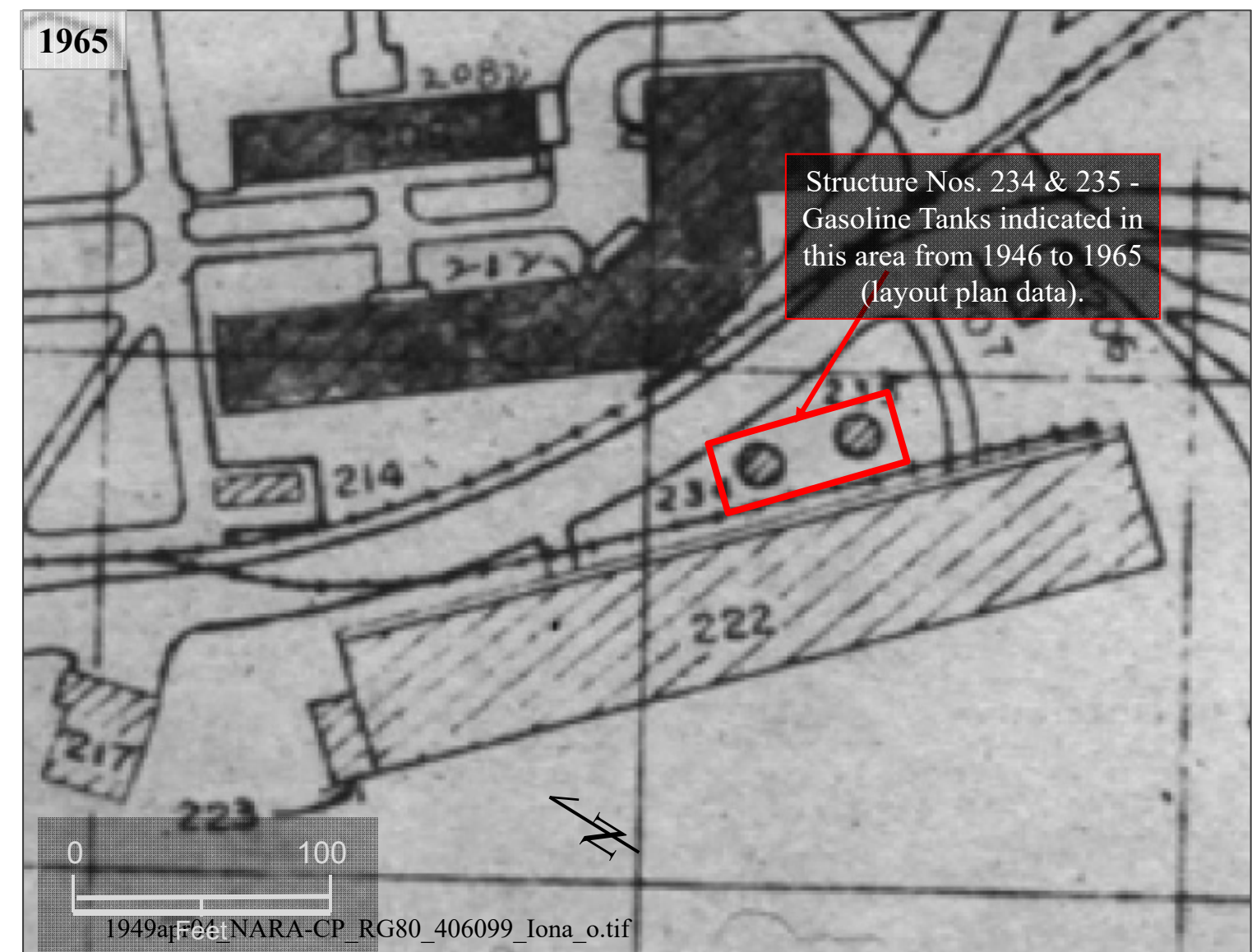
1949 Building 222  
1949apr04\_NARA-CP\_RG80\_406099\_Iona\_o.tif



2018 Building 222  
2018Jan21\_NGA\_ortho\_cell\_Iona.tif



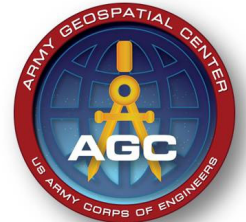
1947Jun30\_MAP\_NARA-CP\_RG291\_layout\_Iona.pdf



1965 Structure Nos. 234 & 235 - Gasoline Tanks indicated in this area from 1946 to 1965 (layout plan data).  
ND\_MAP\_NARA-CP\_RG291\_1965\_Apprais\_Layou\_Plan\_Iona.pdf



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

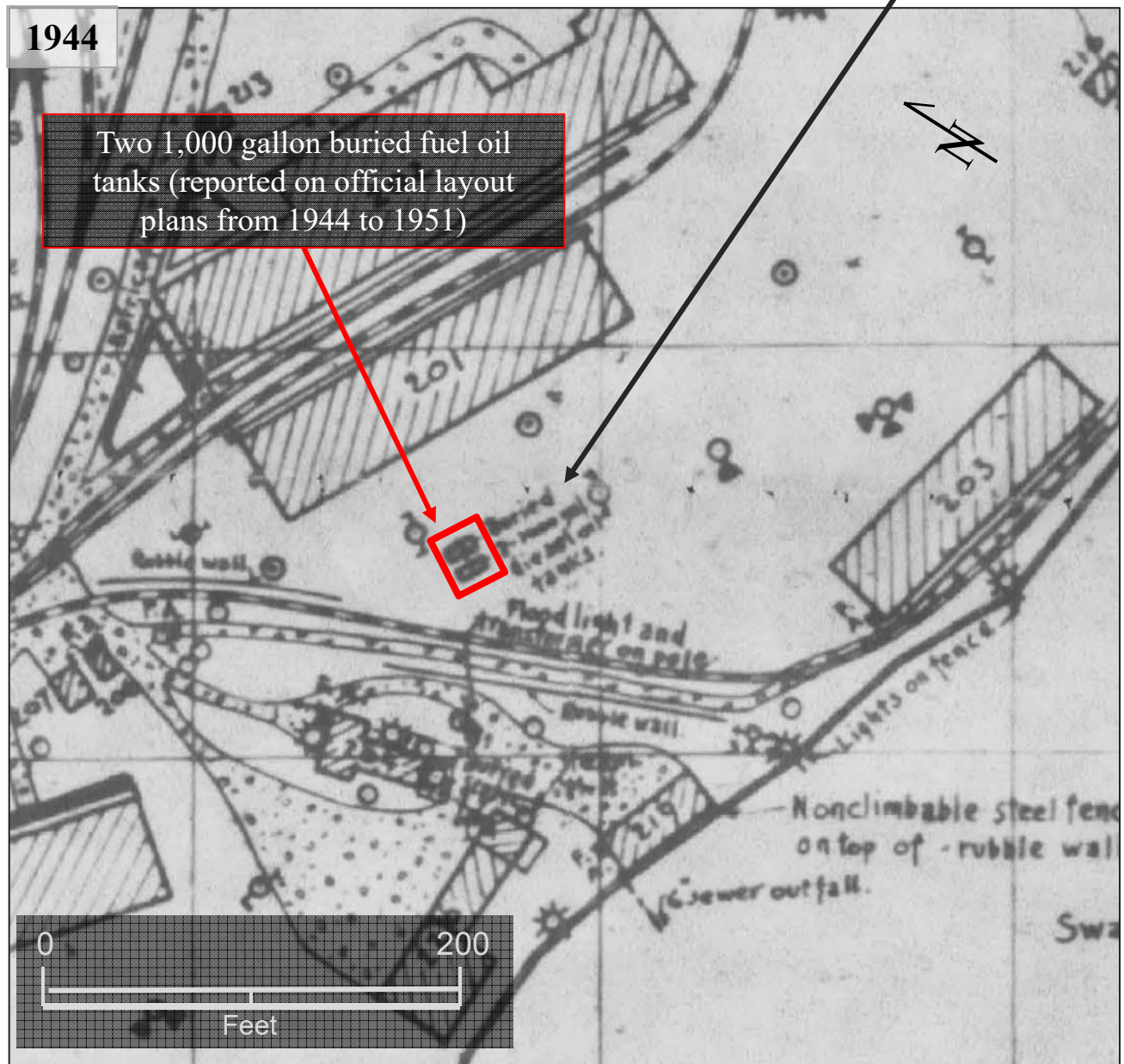


## DIESEL OIL TANKS – UNDERGROUND STORAGE IN THE VICINITY OF BUILDING NO. 201

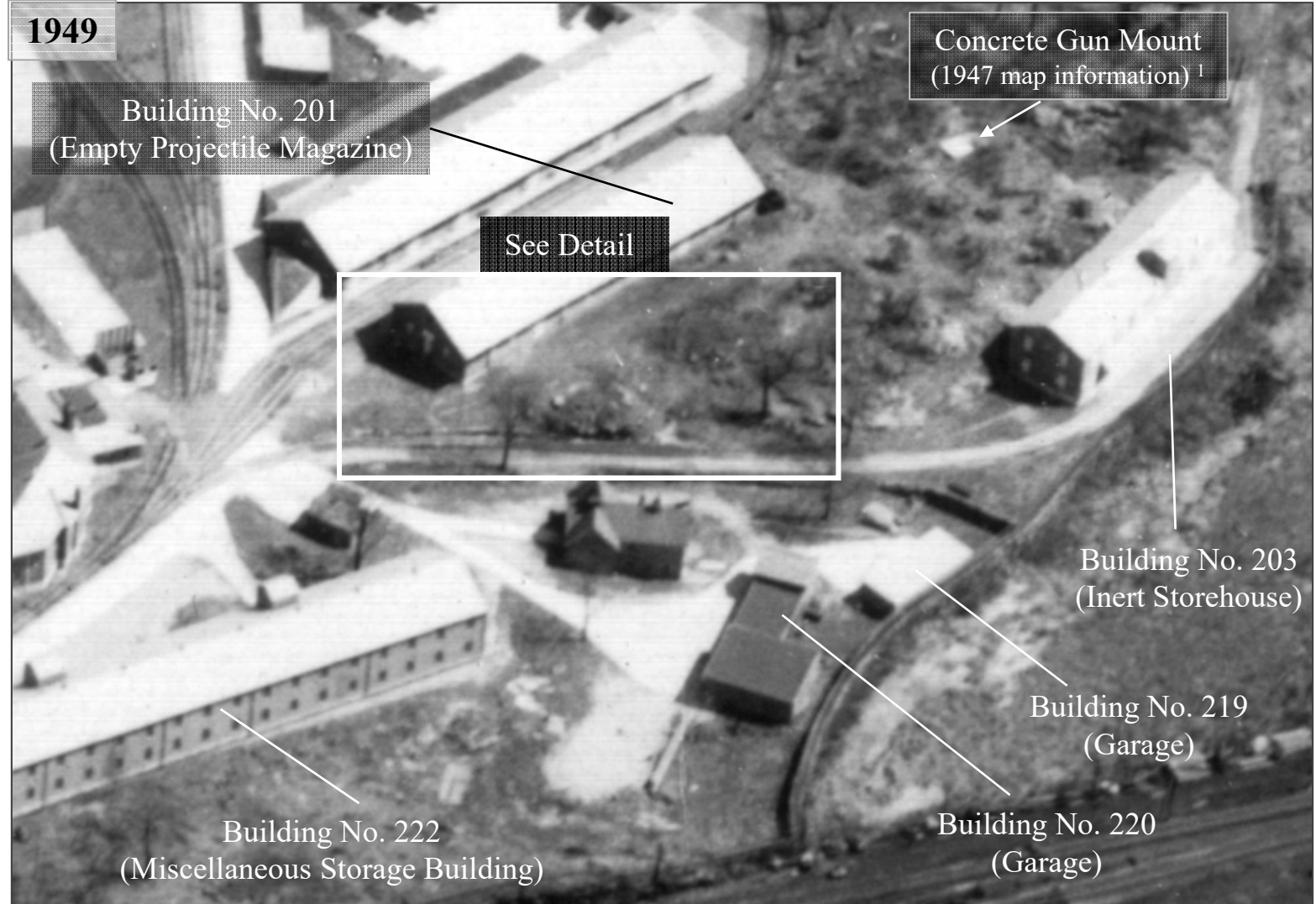
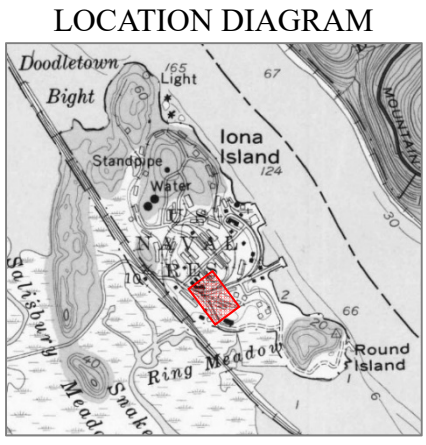
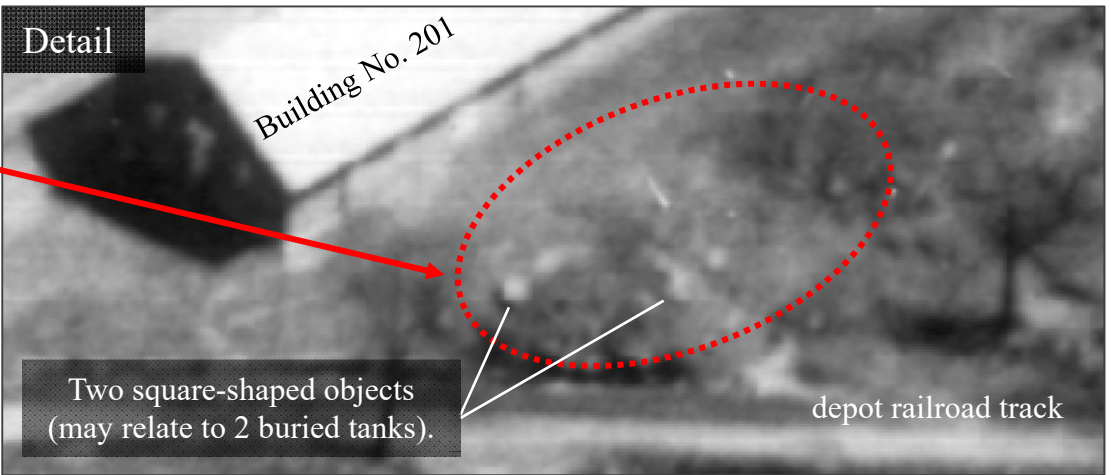
PART 1 OF 2

General location of two 1,000 gallon buried fuel oil tanks reported on multiple official layout plans.

*“Buried 2-1000 gal diesel oil tanks.”*

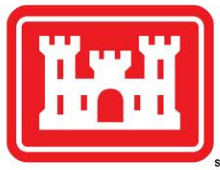


1944Jun30\_corrected1943\_MAP\_NAVFEC\_layout\_Iona.pdf

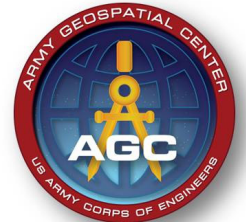


1949apr04\_NARA-CP\_RG80\_406100\_Iona\_o.tif

1. 1947Jun30\_MAP\_NARA-CP\_RG291\_layout\_Iona.pdf



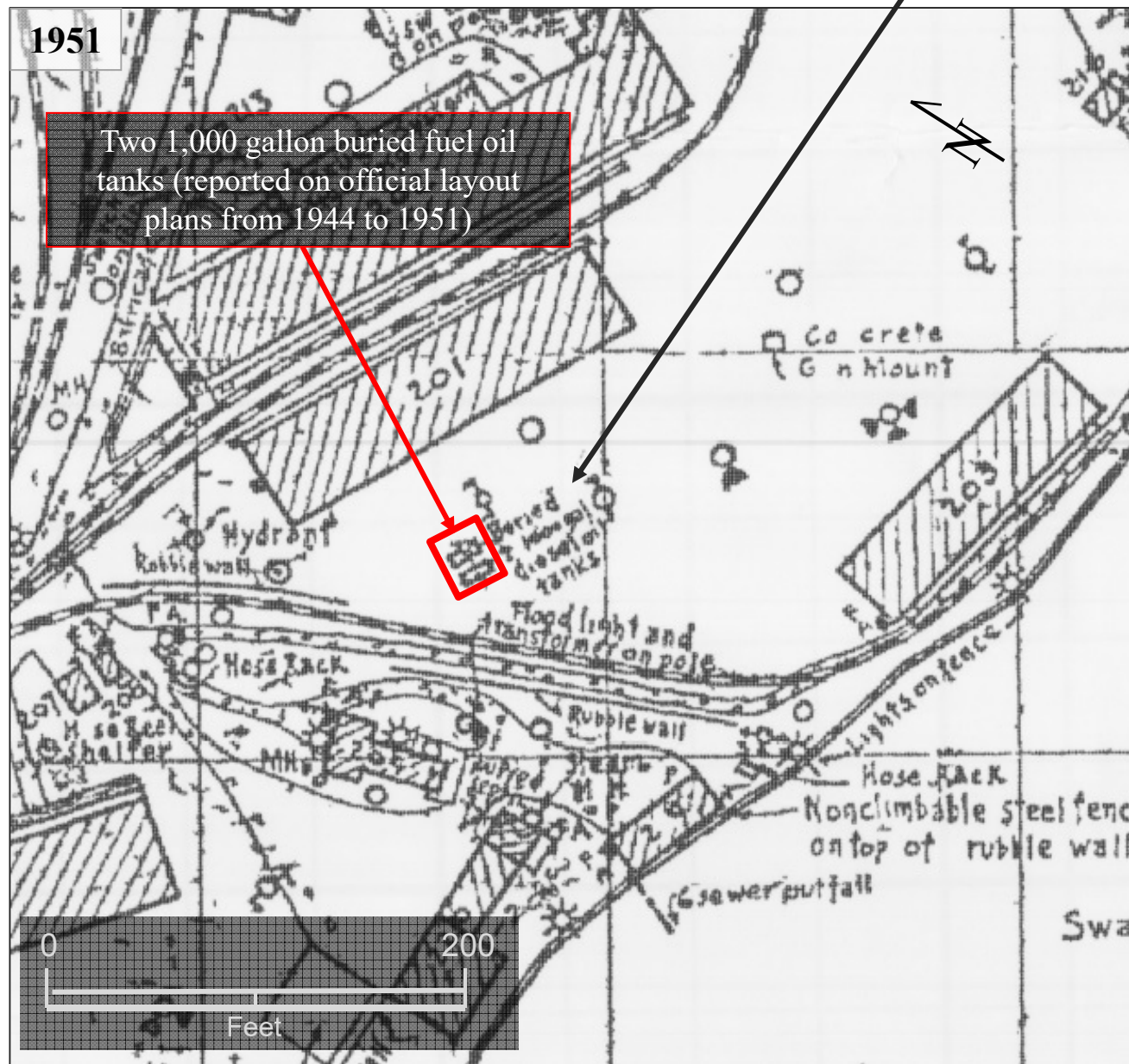
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



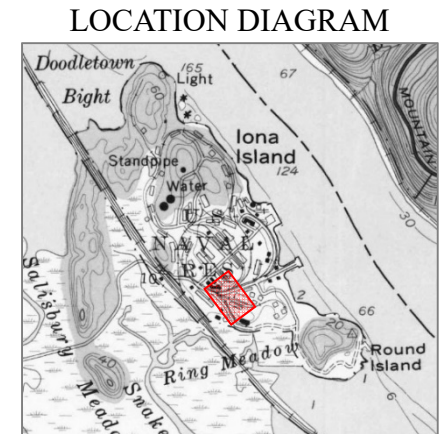
## DIESEL OIL TANKS – UNDERGROUND STORAGE IN THE VICINITY OF BUILDING NO. 201

PART 2 OF 2

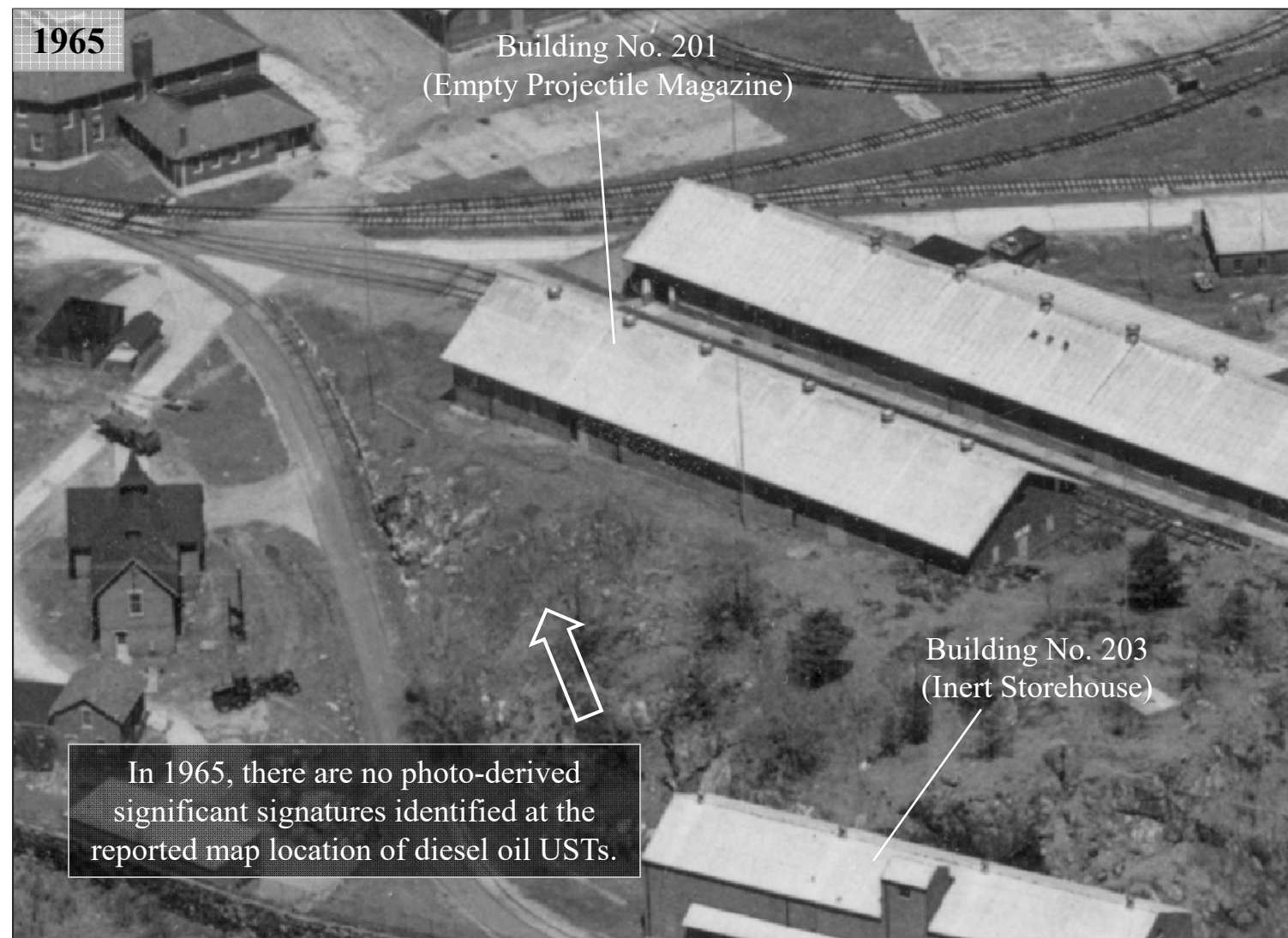
“Buried 2-1000 gal diesel oil tanks.”



1951Jun30\_corrected1947\_MAP\_layout\_Iona.pdf



A 1965 low-elevation aerial oblique view of an area identified, via official layout plans, to contain buried fuel oil tanks.



1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif



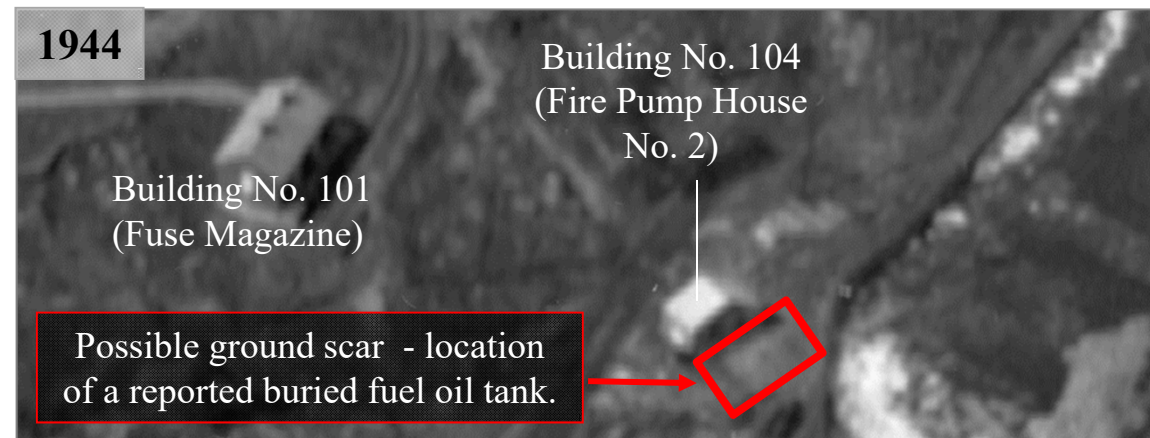
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## UNDERGROUND FUEL OIL STORAGE TANK ADJACENT TO FIRE PUMP HOUSE NO. 2 (BLDG NO. 104)

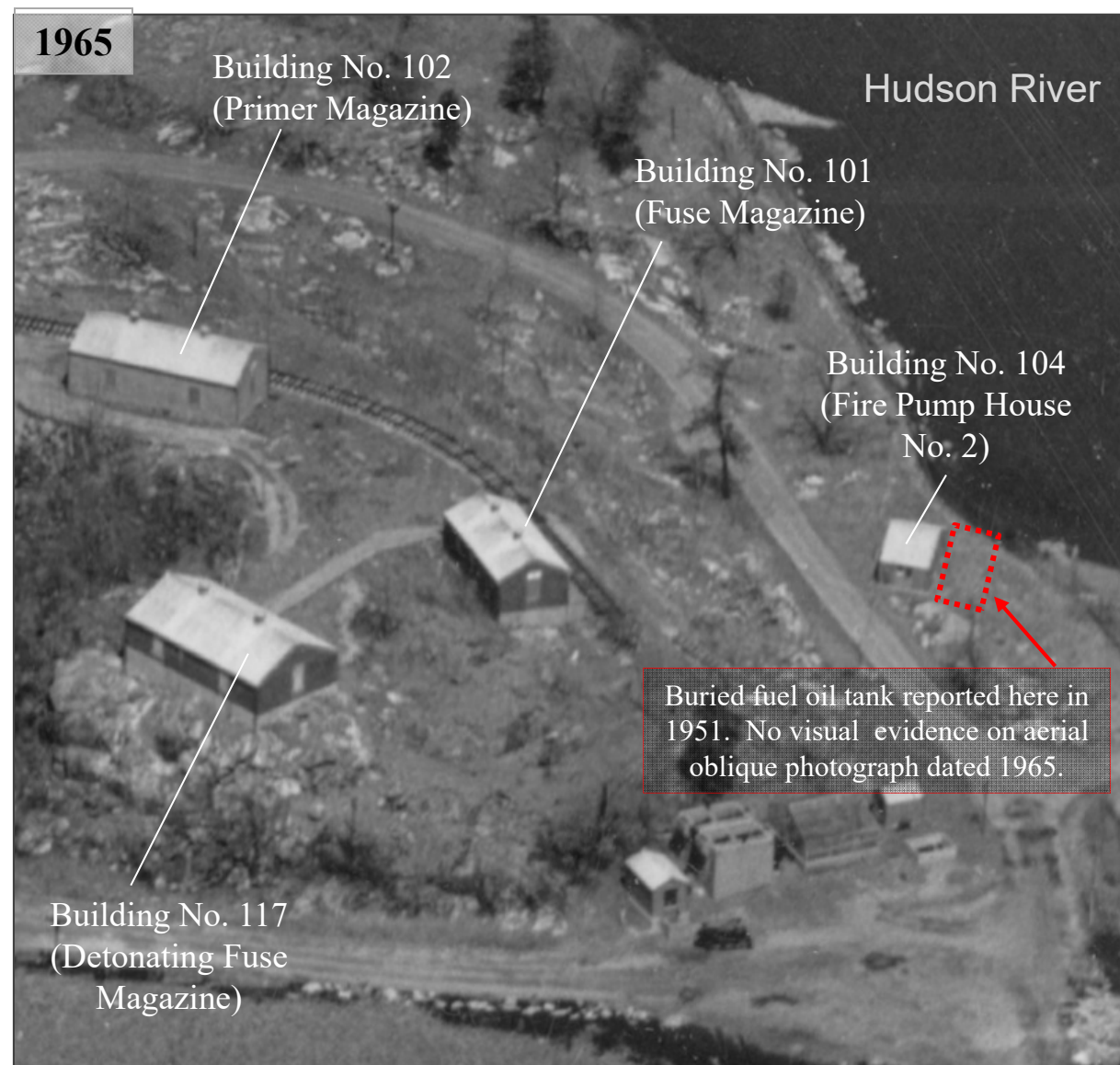
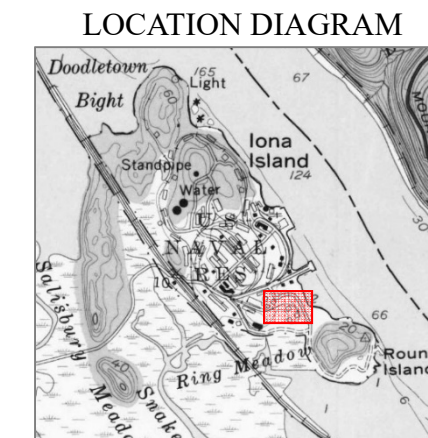


Note #1: Fire Pump House No. 2 may be associated with the underground fuel oil storage tank (located adjacent to the building).

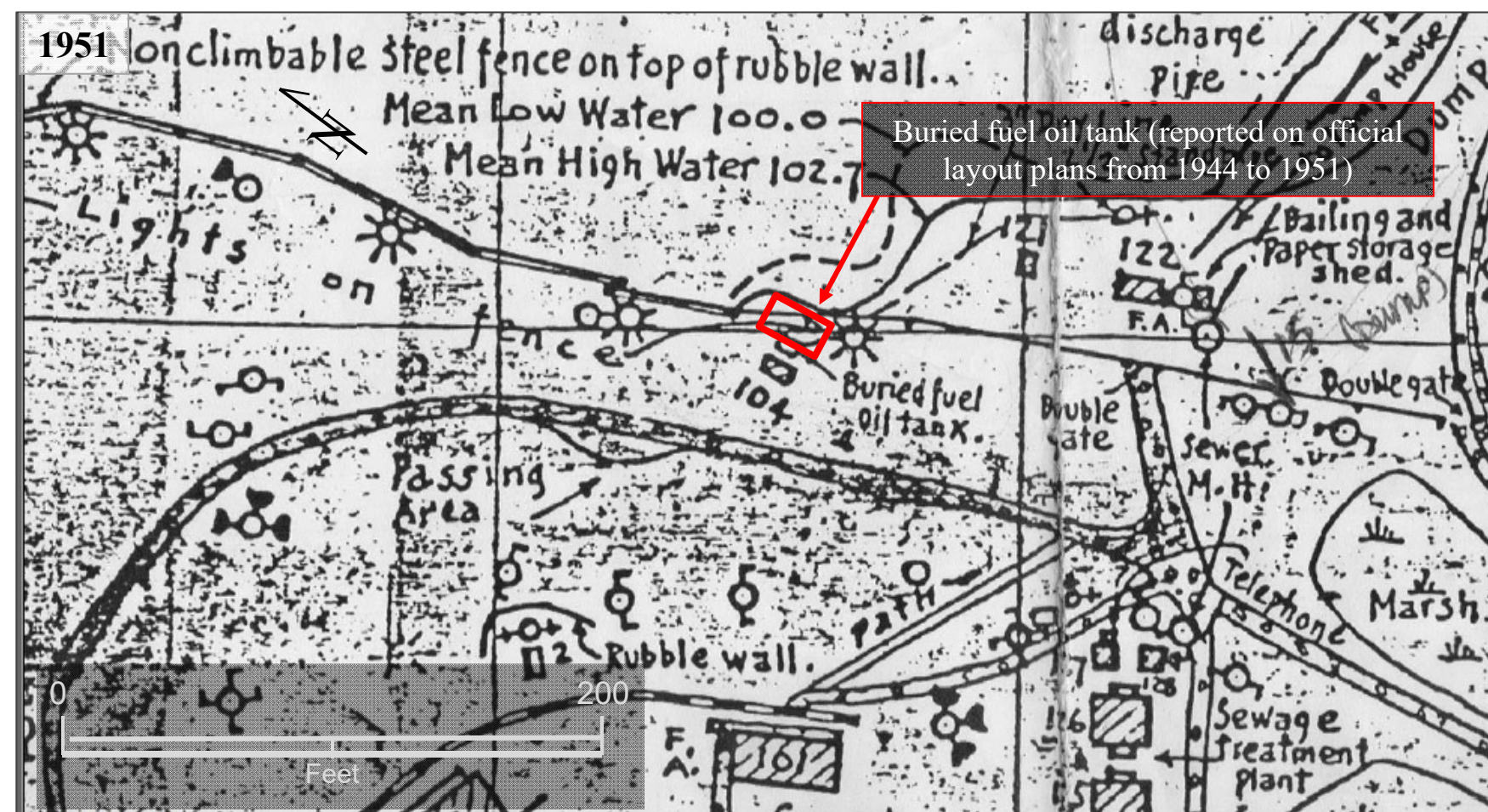
Note #2: Fire Pump House No. 2, shown for the first time on a 1944 official layout plan, is first observed on a 1943 aerial photo.



1944mar07\_NARA2\_RG80\_221149\_NAD\_Iona\_Isle\_o.tif



1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif



1951Jun30\_corrected1947\_Layout\_Tunnels-Ref\_NAD\_Iona\_Island.pdf



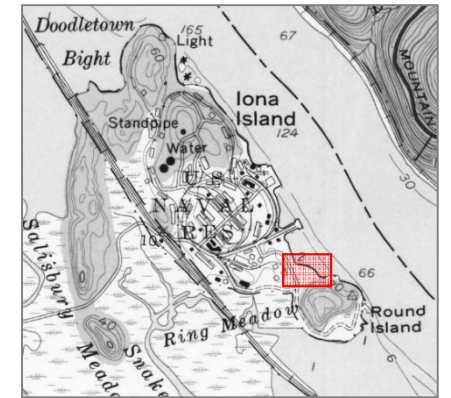
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## BUILDING NO. 121 – INCINERATOR

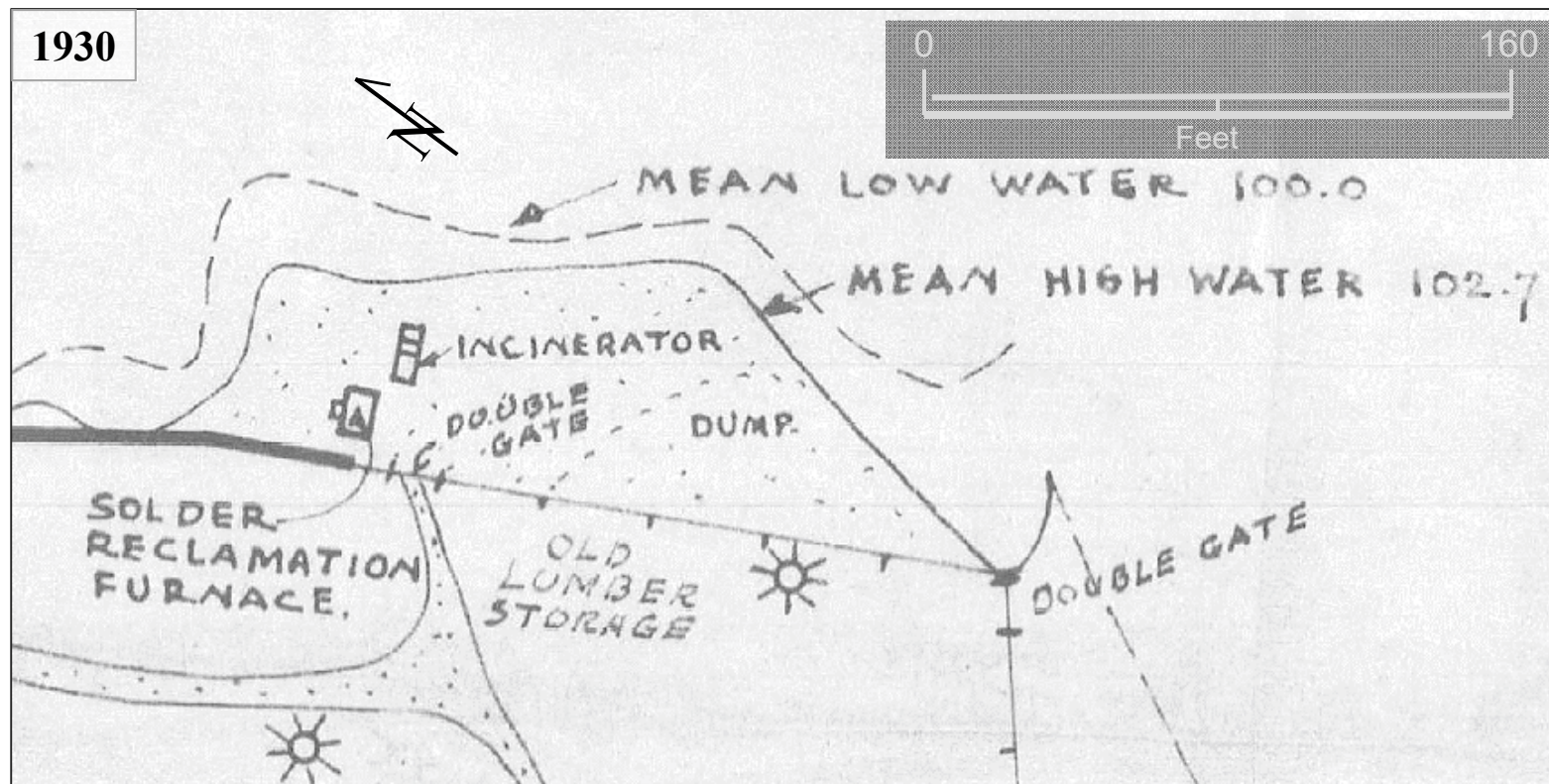
Part 1 of 3



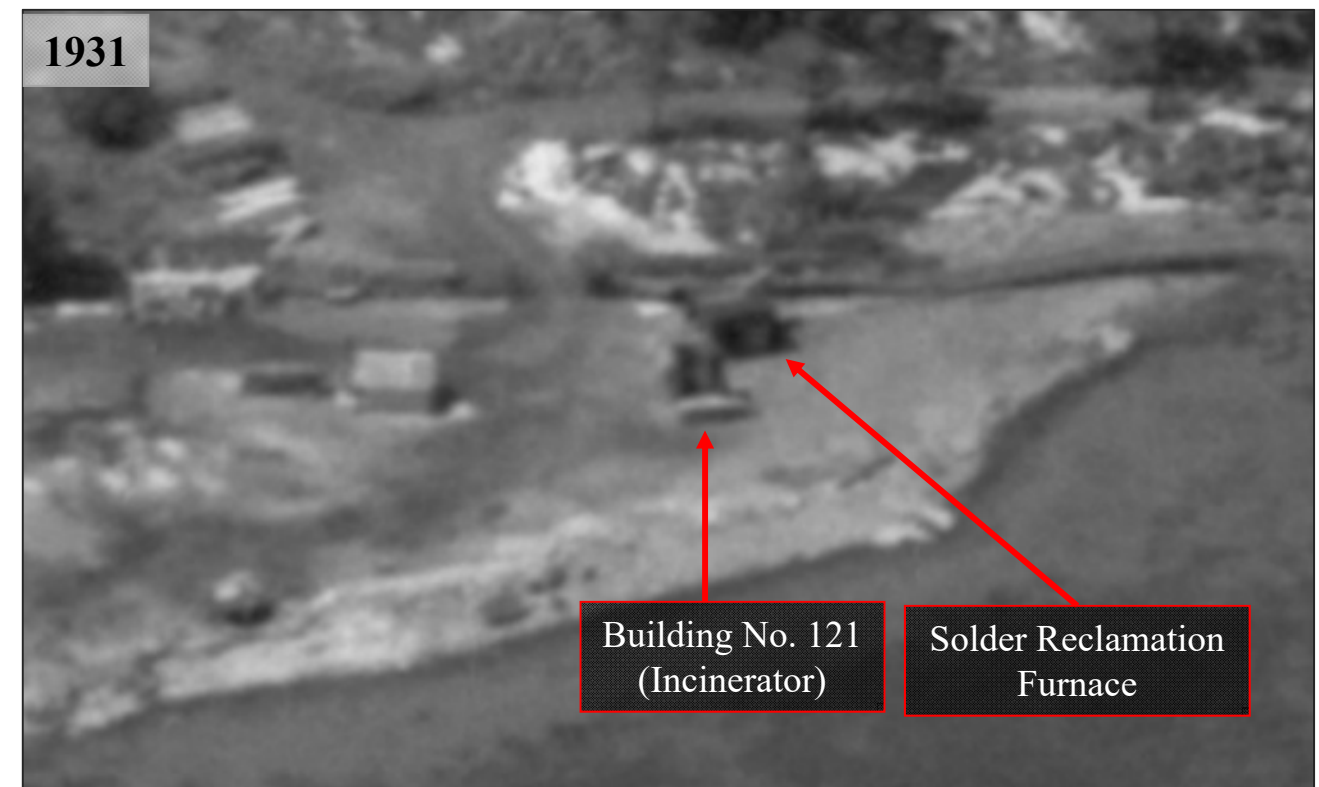
LOCATION DIAGRAM



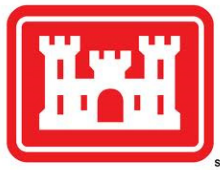
The incinerator on NAD Iona Island is first observed on a 1930 Naval Facility Layout Plan (below-left). An aerial oblique photo dated 1931 (below-right) verifies the existence of an Incinerator and a nearby Solder Reclamation Furnace (both clearly identified on an official U.S. Navy layout plan).



1930May01\_rev1928Dec31\_NARA-CP\_RG71\_Layout\_NAD\_Iona\_Island.pdf



1931aug06\_NARA-CP\_RG80\_466379\_NAD\_Iona\_Island\_o.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## BUILDING NO. 121 – INCINERATOR

Part 2 of 3

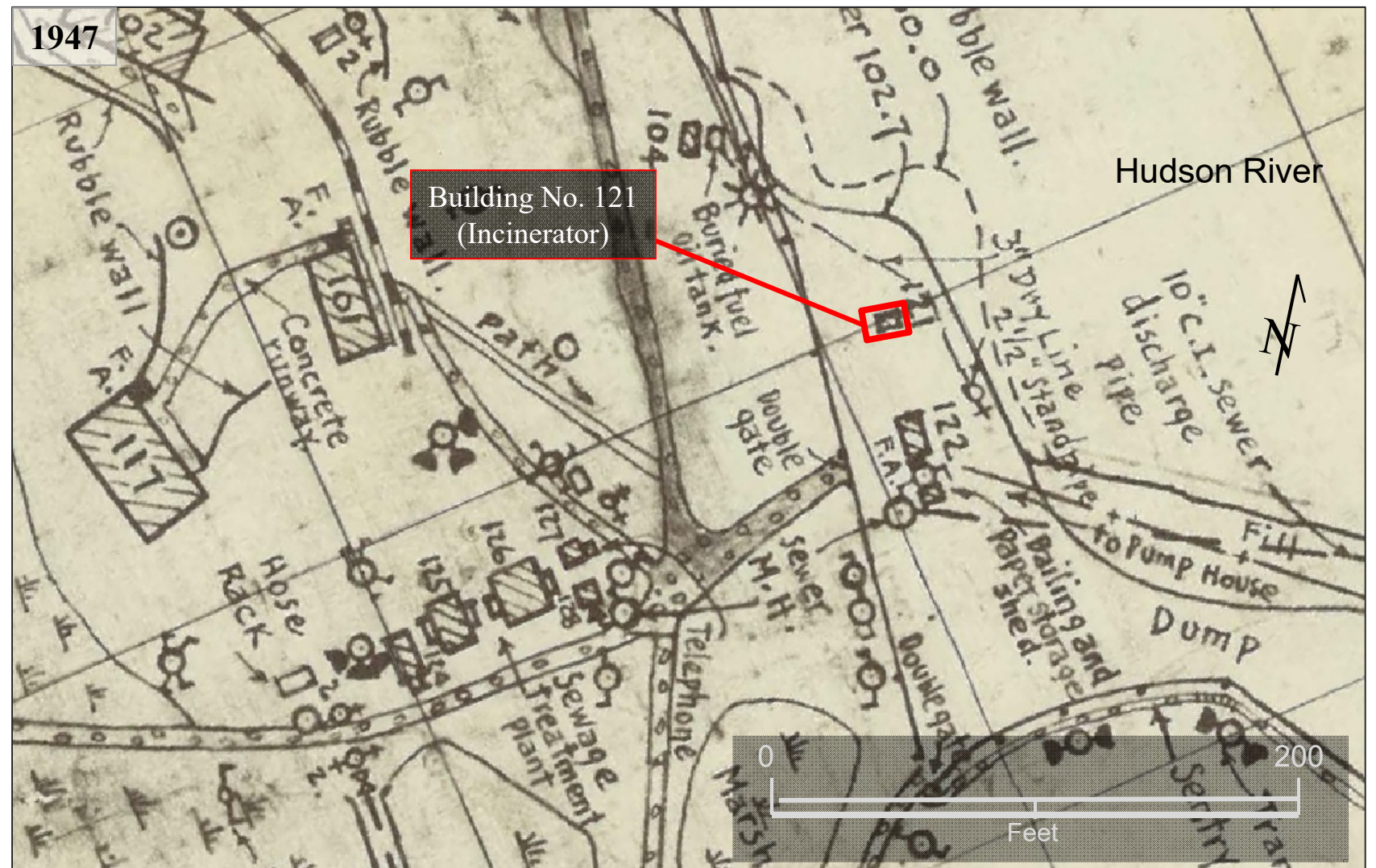


The incinerator on NAD Iona Island is observed on a 1943 vertical aerial photo frame (see below). The Solder Reclamation Furnace identified on a 1930 official layout plan, however, is no longer present.



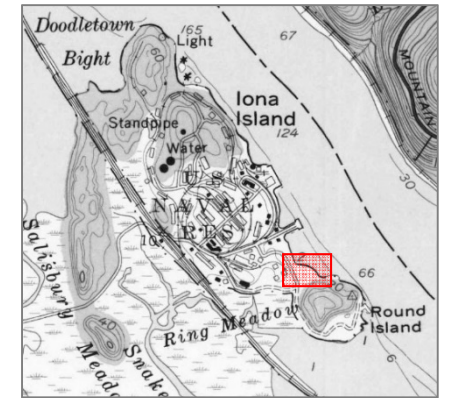
1943jan01\_NARA-CP\_RG373\_fr1V06\_Iona.tif

The Solder Reclamation Furnace identified on a 1930 official layout plan is no longer identified on a 1947, or later date available, U.S. Navy drawing of NAD Iona Island.



1947Jun30\_MAP\_NARA-CP\_RG291\_layout\_Iona.pdf

### LOCATION DIAGRAM





# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

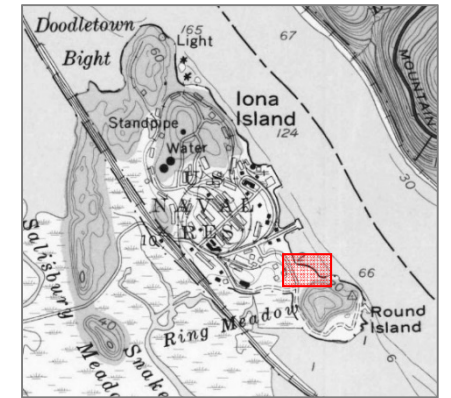


## BUILDING NO. 121 – INCINERATOR

Part 3 of 3

17' x 8' x 11' Refuse & garbage incinerator.  
Concrete foundation, brick walls, concrete roof.  
Source: GSA Appraisal dated 1965

LOCATION DIAGRAM



A 1965 aerial oblique photo view of the Incinerator and surrounding area.

1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

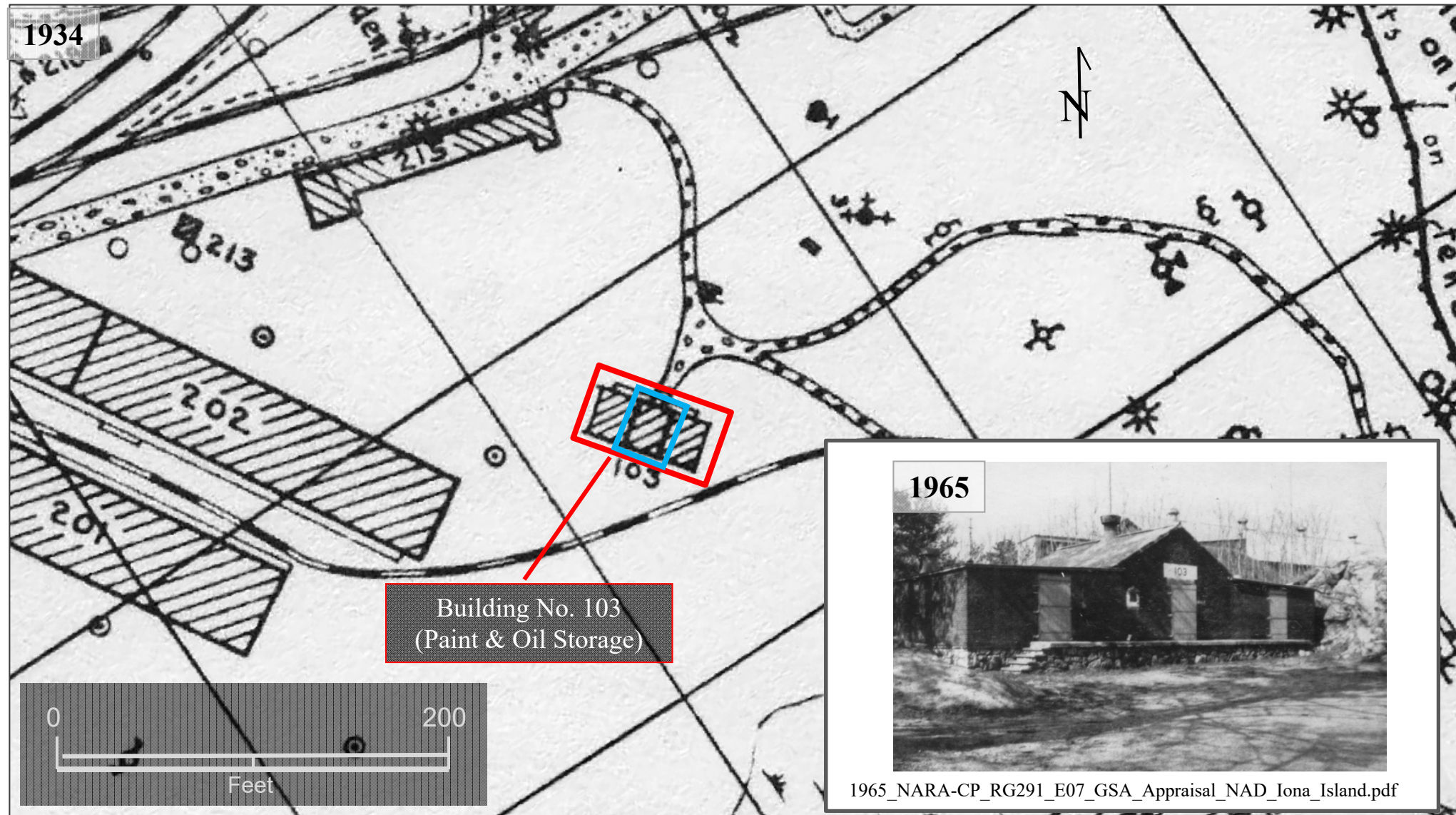
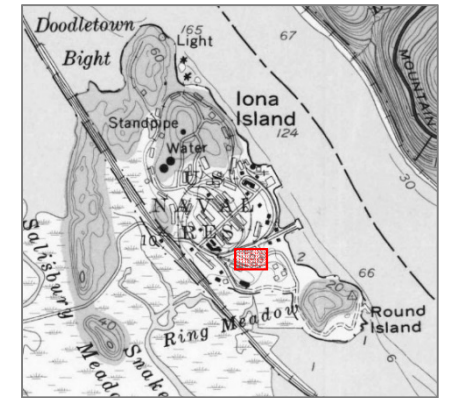
## BUILDING NO. 103 – PAINT & OIL STORAGE




30' x 20' Building in 3 sections, 1,568 sq ft floor space  
 Stone foundation, brick walls, asbestos roof.  
 Original structure built in 1905.  
 Source: GSA Appraisal dated 1965

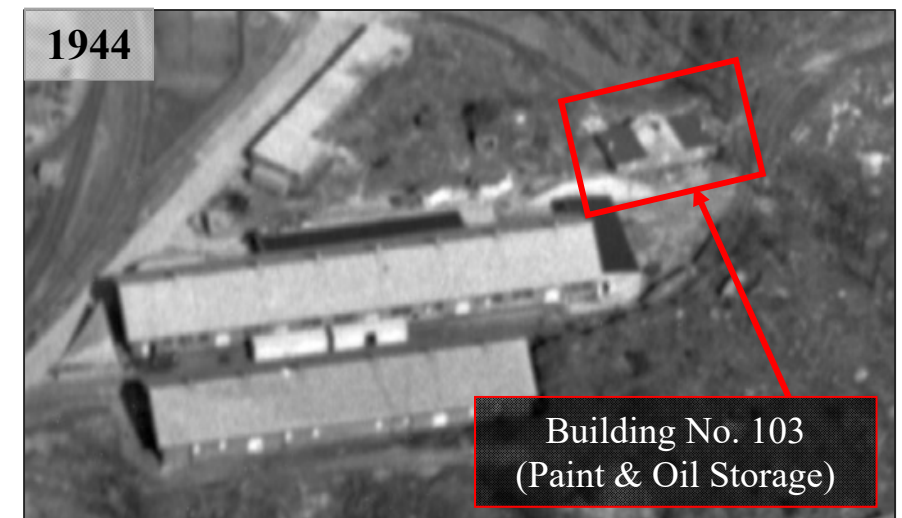
Second endorsement of \$10,000 obligated in 1942 to  
 the request of an extension to Building No. 103.  
 Source:  
 1942\_Jun13\_Paint\_Stor\_Extend\_Bldg103\_NARA-  
 CP\_RG74\_E25-J\_Bx558\_NAD\_Iona\_Island.pdf

LOCATION DIAGRAM



1934Jun30\_MAP\_NAVFEC\_layout\_Iona.pdf

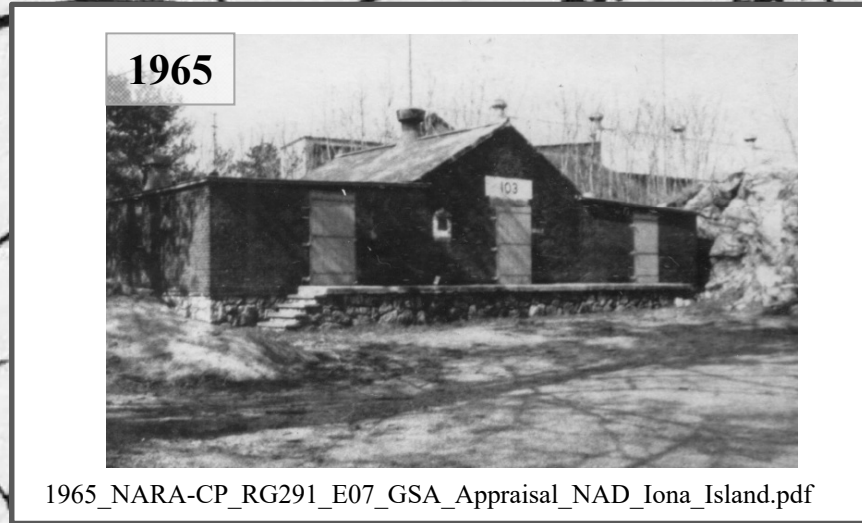
 = original structure built in 1905

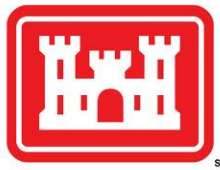


1944mar07\_NARA-CP\_RG80\_221151\_NAD\_Iona\_Island\_o.tif



1965nov10\_EPZ\_1GG\_fr31\_Iona.tif





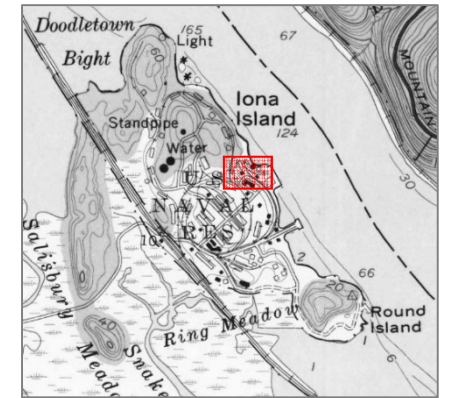
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



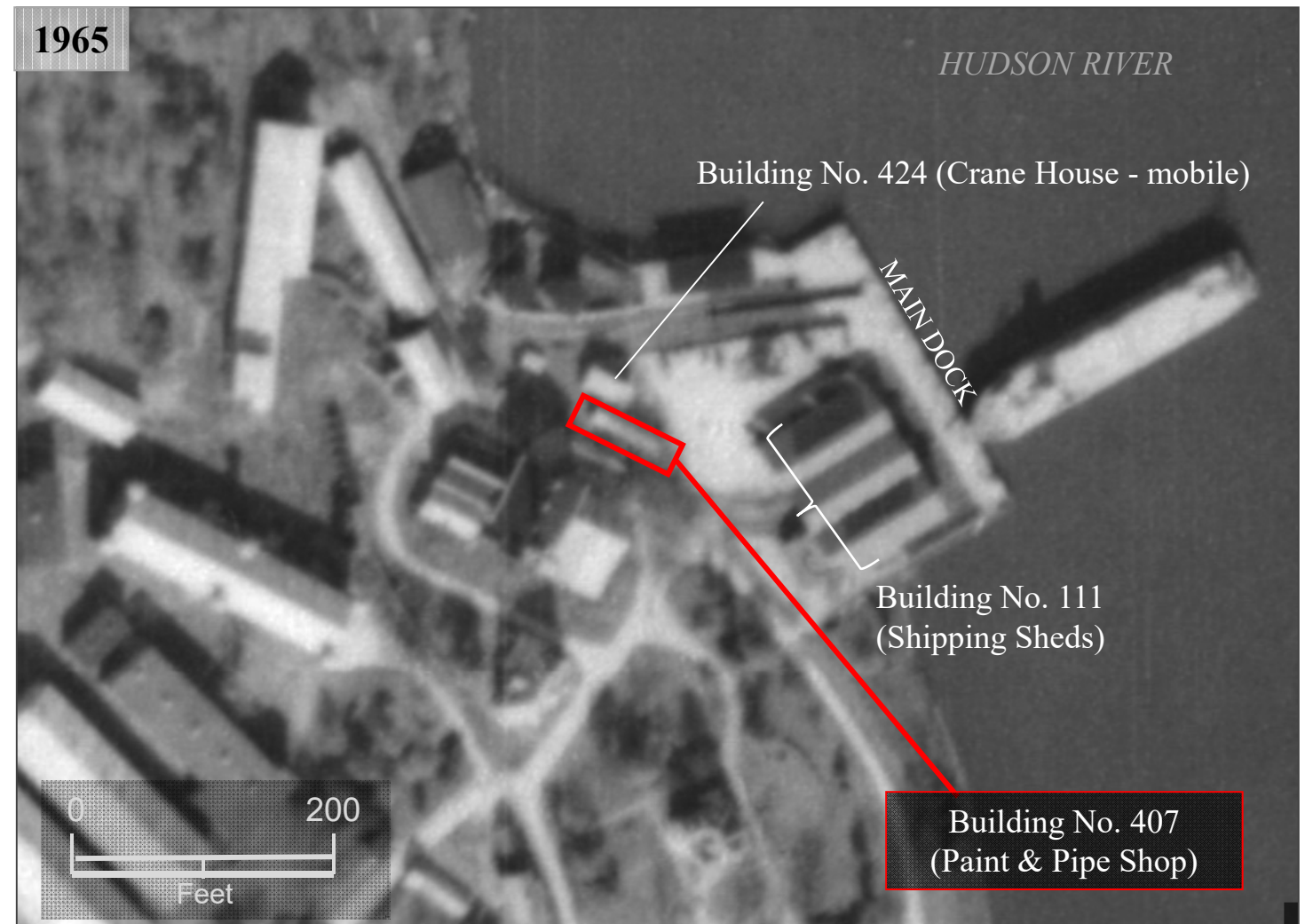
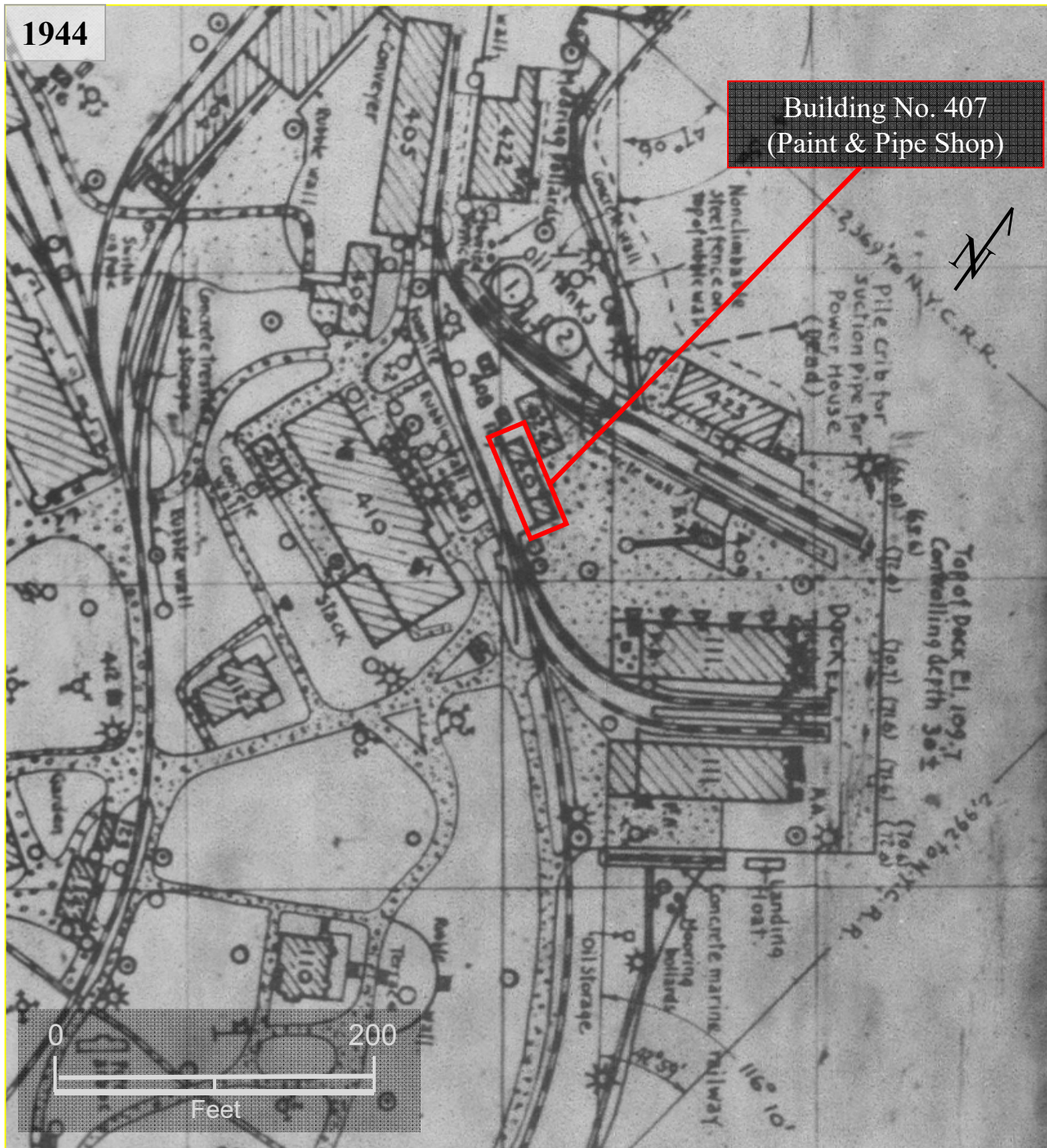
## BUILDING NO. 407 – PAINT & PIPE SHOP

The northern half of Building No. 407 is the Paint Shop. The southern half is the Pipe Shop. A one-story maintenance building was constructed in 1907. Note this building appears to have been expanded since it was described as a Paint Locker on official layout plans dated 1912 & 1917.

LOCATION DIAGRAM



59' x 16', 841 square feet floor area  
Concrete foundation, brick walls, asbestos roof.  
Source: GSA Appraisal dated 1965

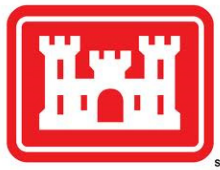


1965nov10\_EPZ\_1GG\_fr31\_Iona.tif

### Textual Sources:

- 1948 Bldgs Descr in Detail Wash Navy Yard Iona Island.pdf
- ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf
- 1965Mar03\_NARA-CP\_RG291\_E07\_GSA\_Excess\_NAD\_Iona\_Island.pdf

1944Jun30corrected\_1943\_NAVFEC\_Reel332\_Fr46a\_NAD\_Iona\_isle.jpg



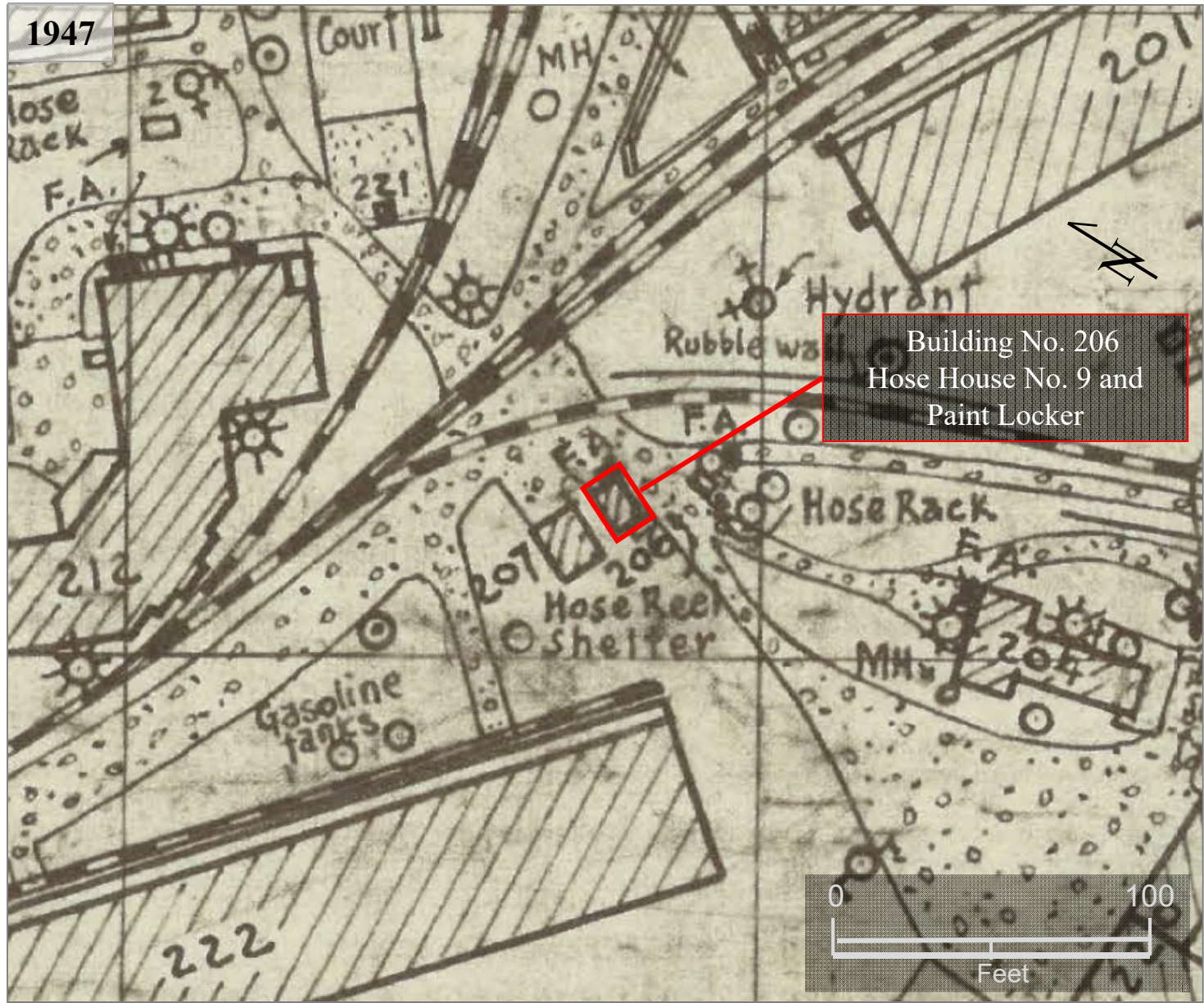
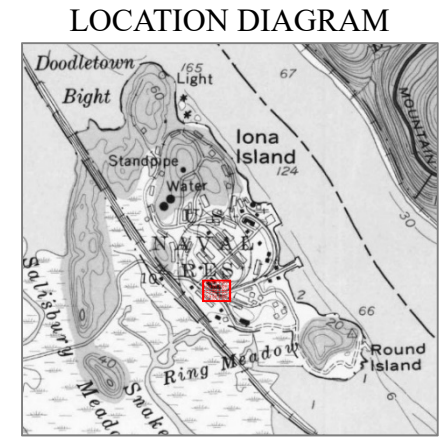
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## BUILDING NO. 206 – HOSE HOUSE (FIRE STATION) NO. 9 AND PAINT LOCKER

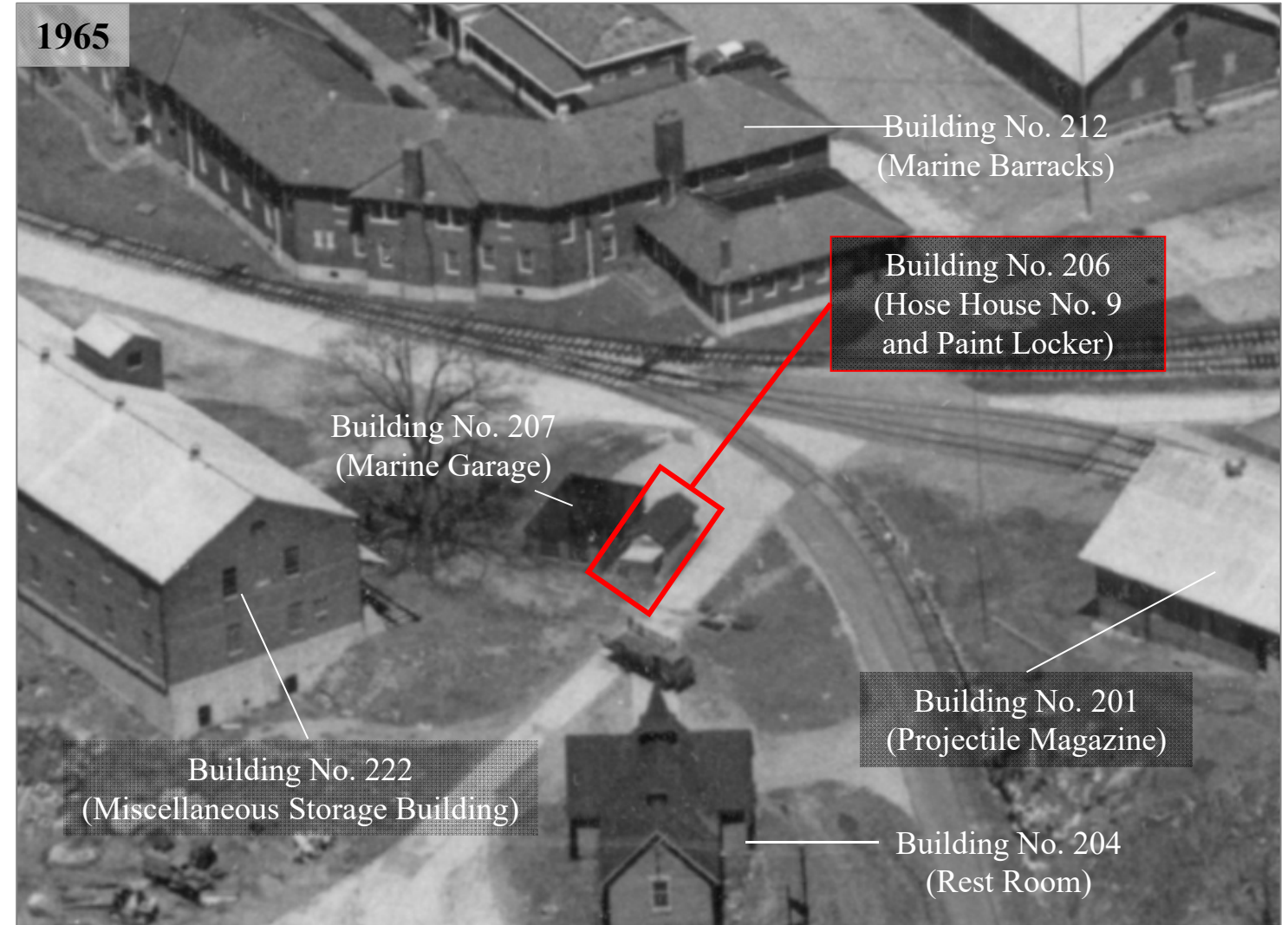


16' x 8', 84 square feet floor area  
 Built in 1907.  
 Source: ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf

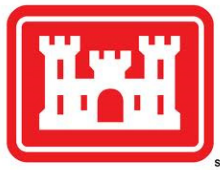
Concrete foundation, brick walls, concrete roof.  
 Source: 1965Mar03\_NARA-CP\_RG291\_E07\_GSA\_Excess\_NAD\_Iona\_Island.pdf



1947Jun30\_NARA-CP\_RG291\_E7\_Bx205\_Layout\_NAD\_Iona\_Island.pdf



1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



## BUILDING NO. 316 – WET-GUN-COTTON MAGAZINE – PAINT LOCKER

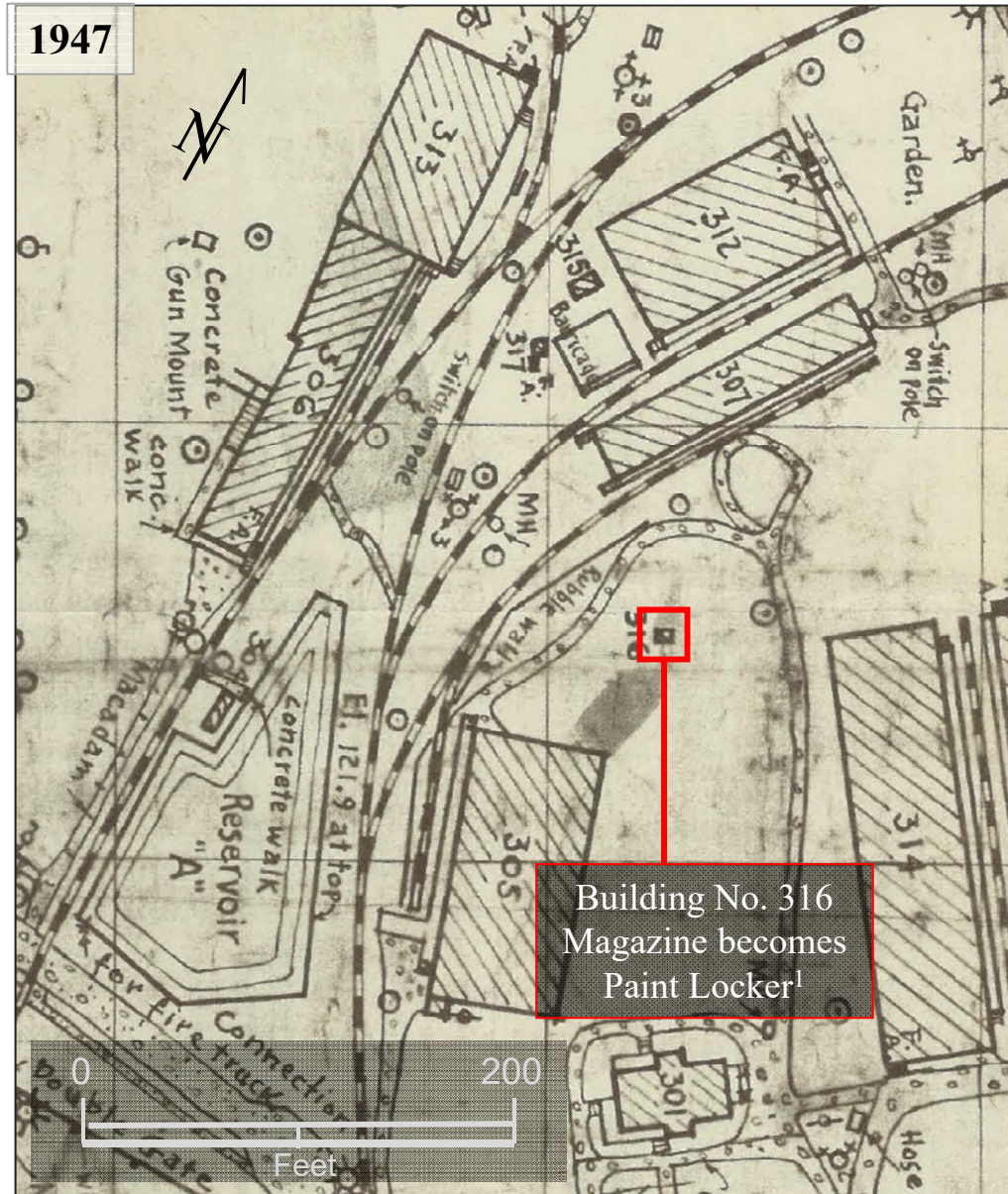
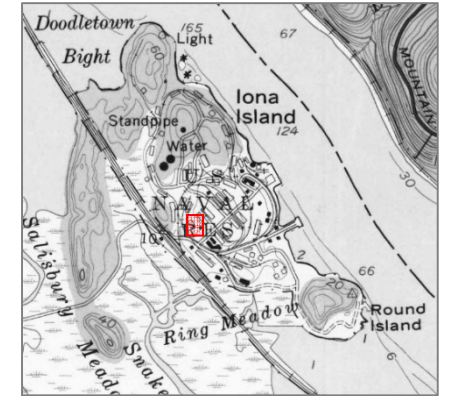
Building No. 316 – Wet-Gun-Cotton Magazine  
Built in 1918.

Source: ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf

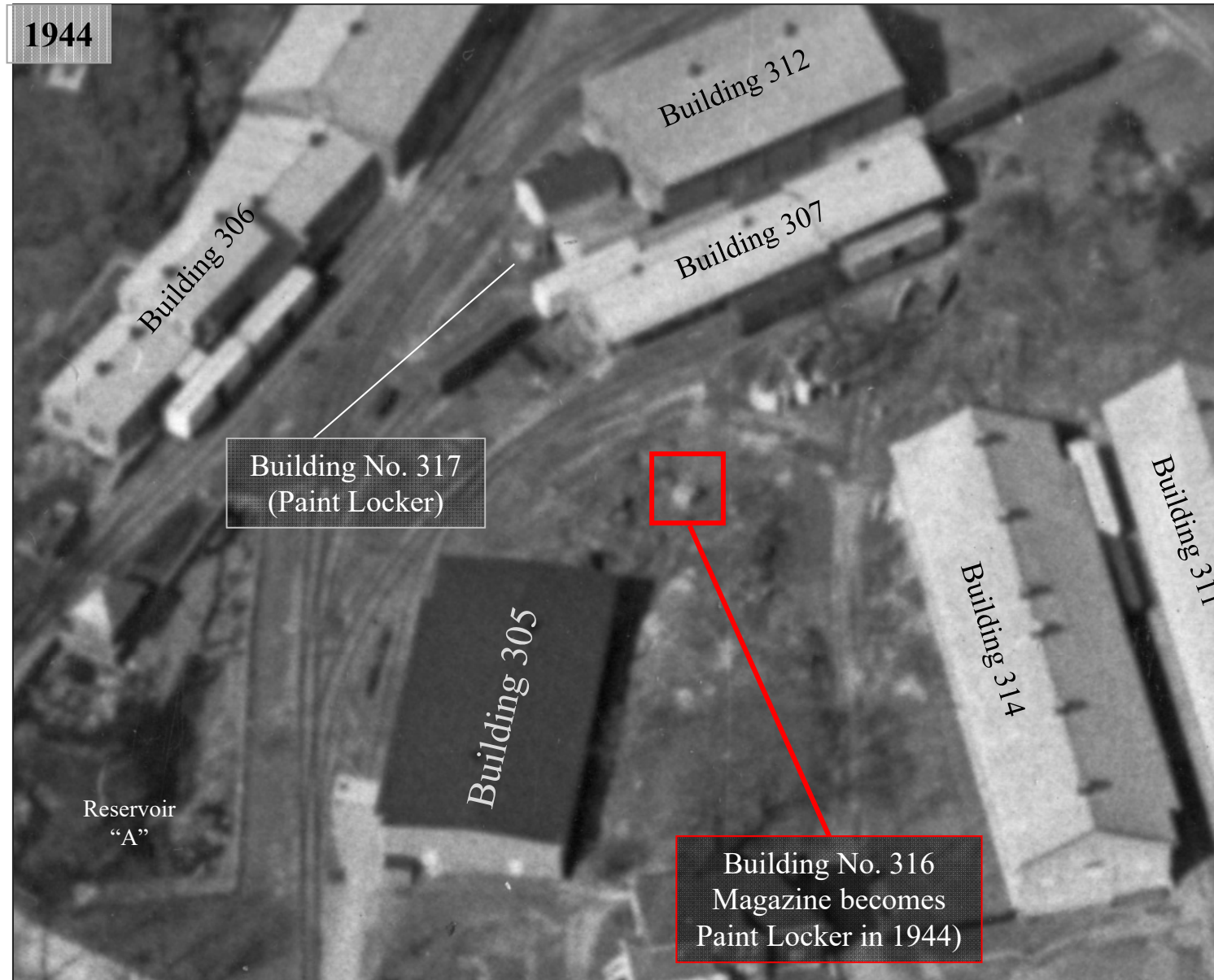
*“11 Sept 1944 revised to allow stowage paint in BLDG 316 and BL&T Projectiles in BLDG 201”*

Textual Source: 1945Feb06\_NARA-CP\_RG74\_Paint\_Stor\_Bldg316\_NAD\_Iona\_Island.pdf

LOCATION DIAGRAM



1947Jun30\_MAP\_NARA-CP\_RG291\_layout\_Iona.pdf



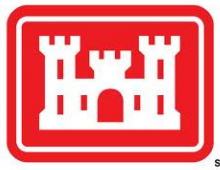
1944mar07\_NARA-CP\_RG80\_221153\_Iona\_o.tif

Building No. 316  
Storage building, covered,  
concrete foundation, brick  
walls, concrete roof.<sup>2</sup>

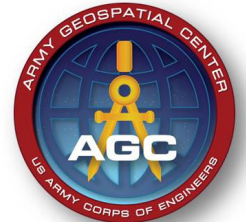
*“Warhead Explosives:  
The earliest weapons  
used wet gun-cotton.  
Approximately 1.9 lbs  
(0.9 kg) of wet gun-cotton  
is equivalent to 1.0 lbs of  
TNT.”<sup>3</sup>*

1. 1947Jun30\_MAP\_NARA-CP\_RG291\_layout\_Iona.pdf
2. 1965Mar03\_NARA-CP\_RG291\_E07\_GSA\_Excess\_NAD\_Iona\_Island.pdf
3. [http://www.navweaps.com/Weapons/WTUS\\_Main.php](http://www.navweaps.com/Weapons/WTUS_Main.php)

BL&T = Blind Loaded and Traced  
Source: [www.history.navy.mil](http://www.history.navy.mil)



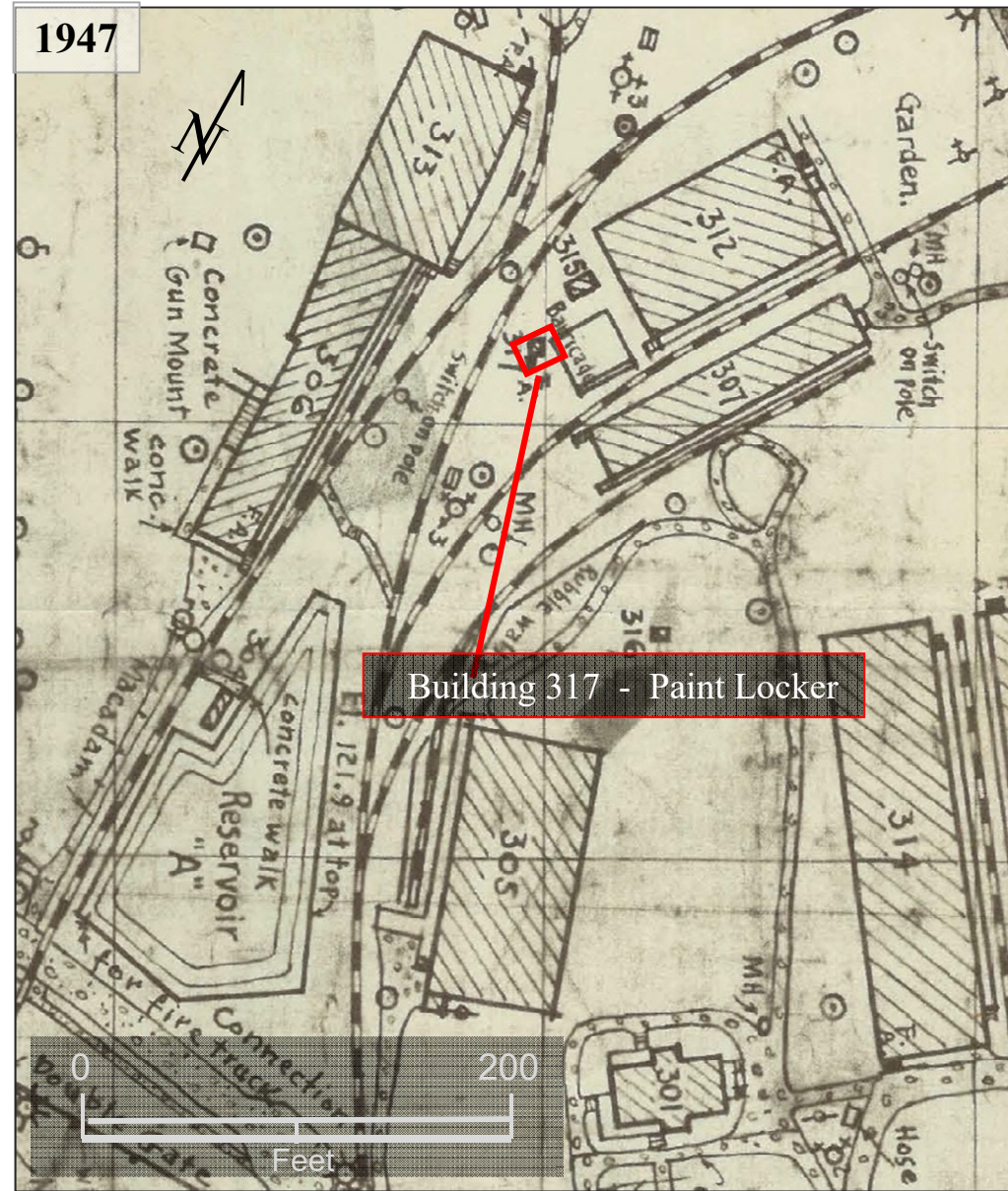
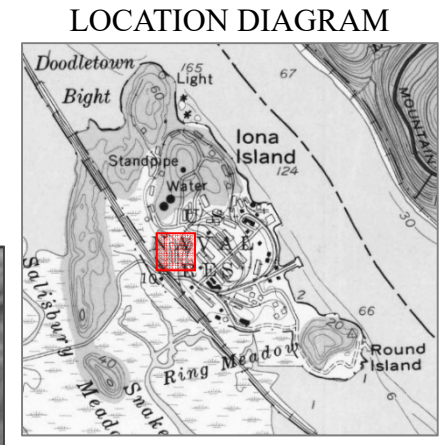
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



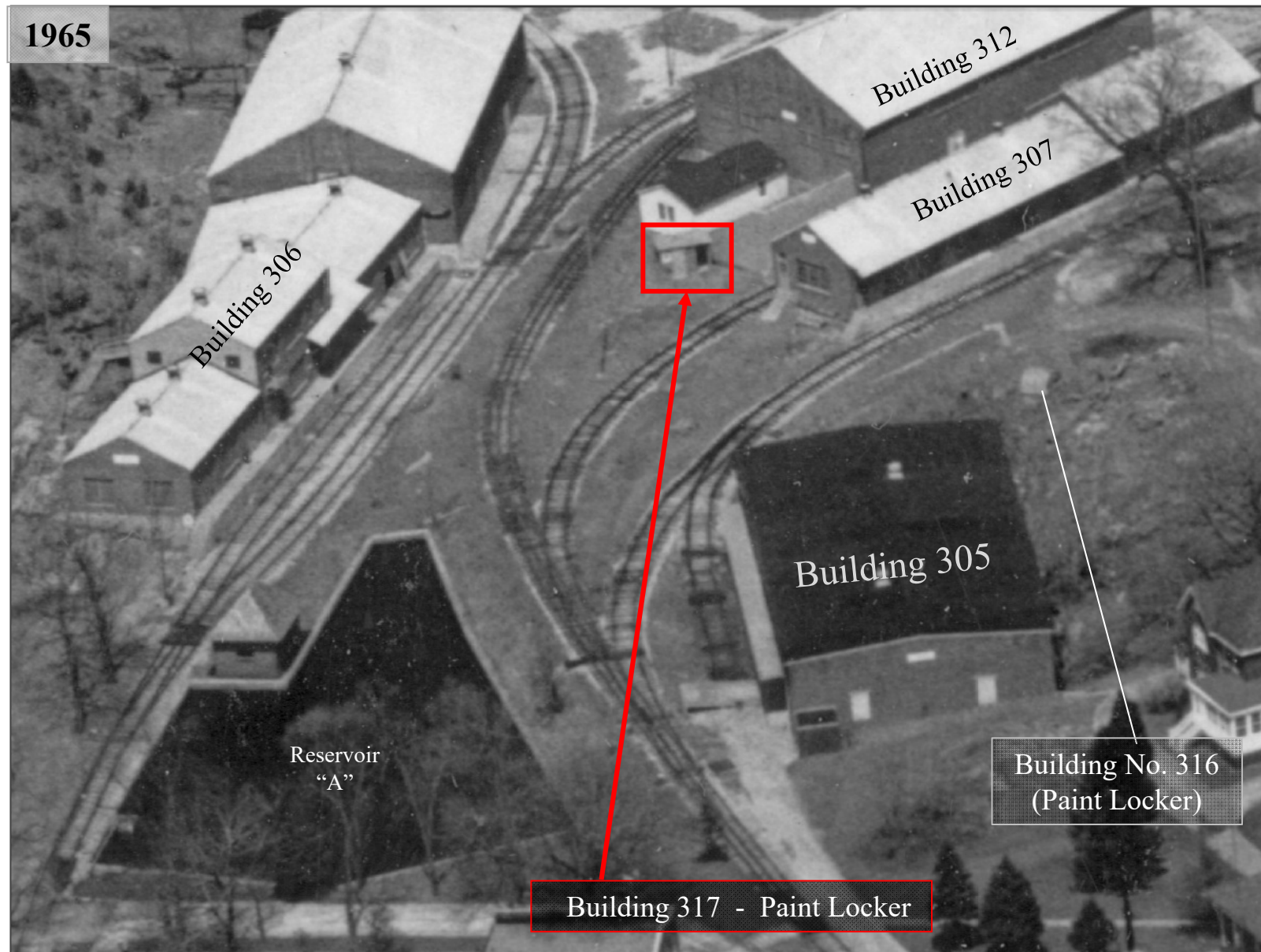
## BUILDING NO. 317 – PAINT LOCKER

Building No. 317 – Paint & Oil Storehouse  
Source: 1934Jun30\_MAP\_NAVFEC\_layout\_Iona.pdf

PAINT LOCKER – BLDG No. 317  
9' x 9' 81sq ft floor space  
Concrete foundation, brick walls, concrete roof.  
Source: 1965 GSA Appraisal data.

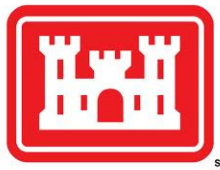


1947Jun30\_MAP\_NARA-CP\_RG291\_layout\_Iona.pdf



1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif

1. ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf



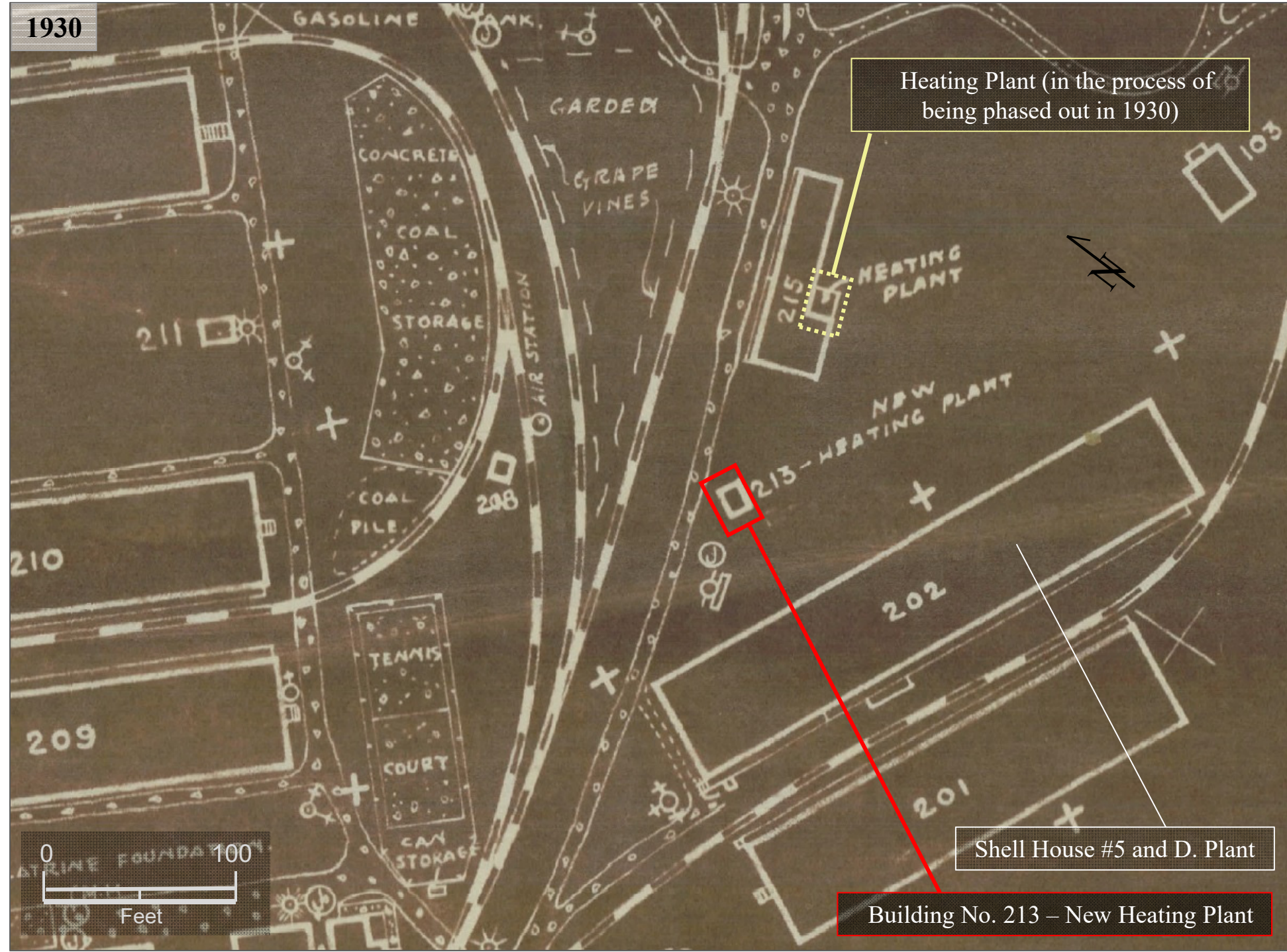
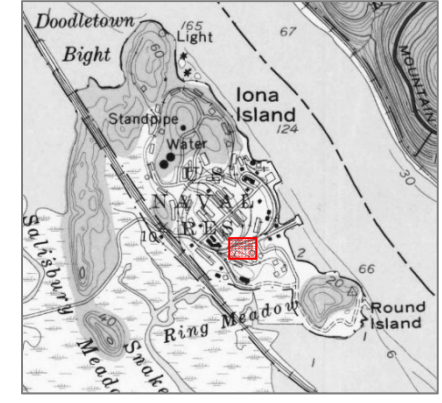
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## BUILDING NO. 213 – NEW HEATING PLANT FOR EXPOSIVES “D” PLANT

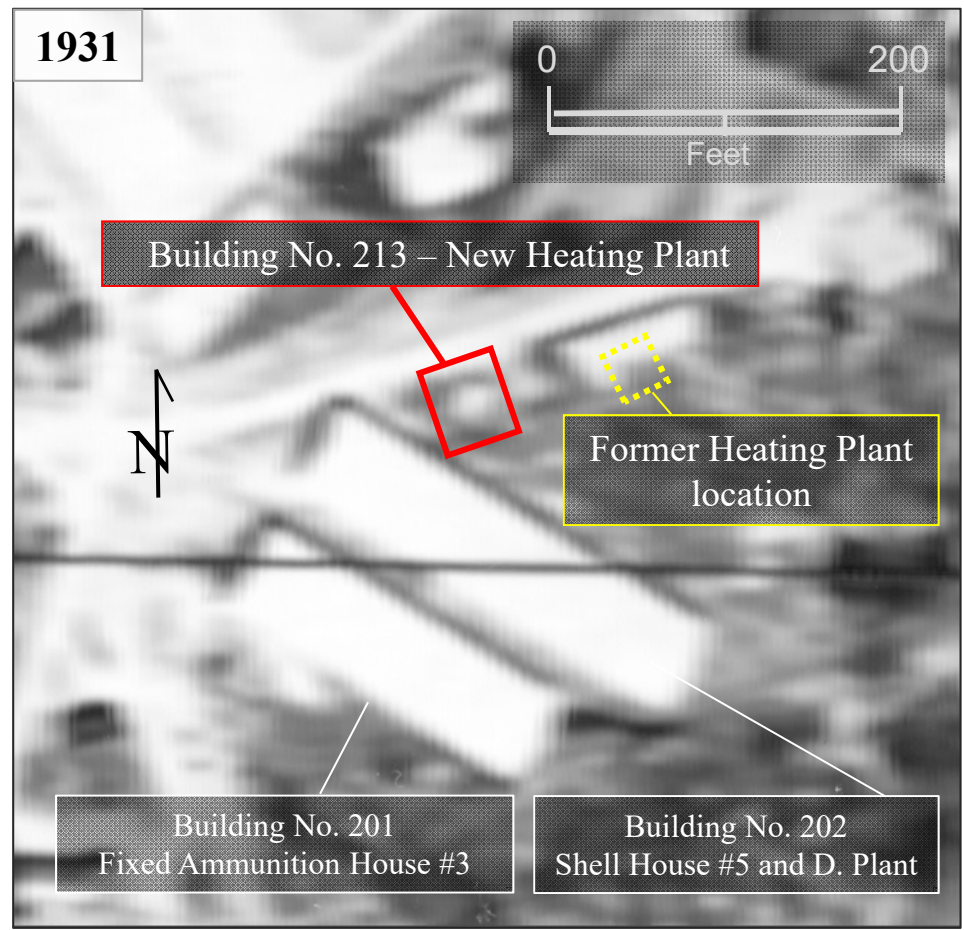
PART 1 OF 2



LOCATION DIAGRAM



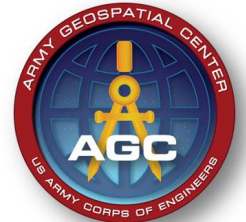
1930May01\_rev1928Dec31\_NARA2\_RG71\_Layout\_NAD\_Iona\_Island.pdf



1931may\_Rockland\_Co\_Archives\_Iona.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



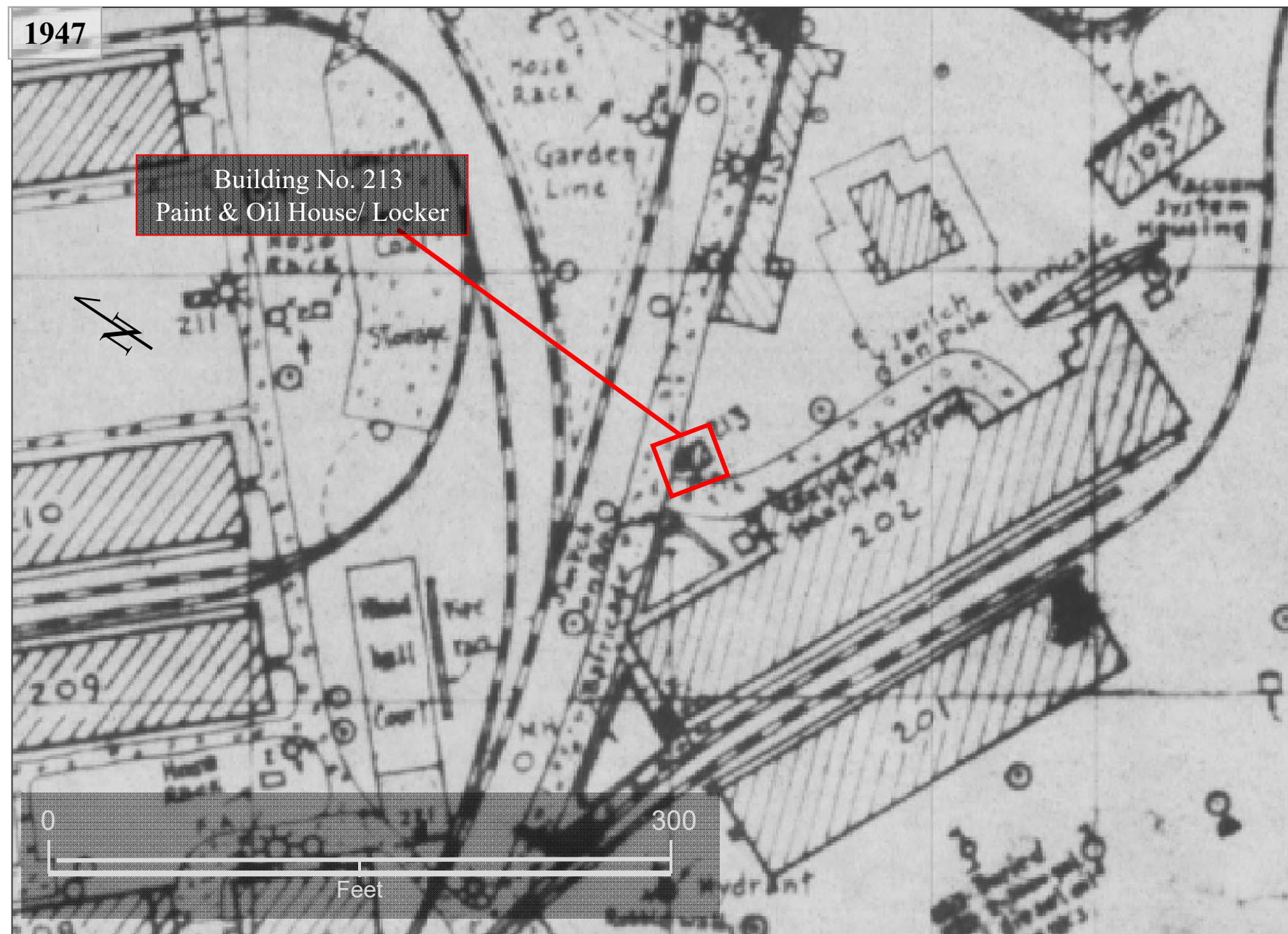
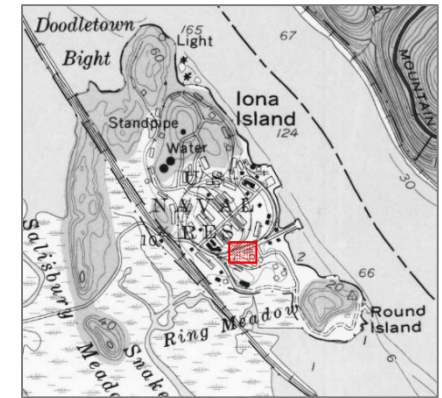
BUILDING NO. 213 – PAINT AND OIL HOUSE/LOCKER (FORMER HEATING PLANT)

PART 2 OF 2

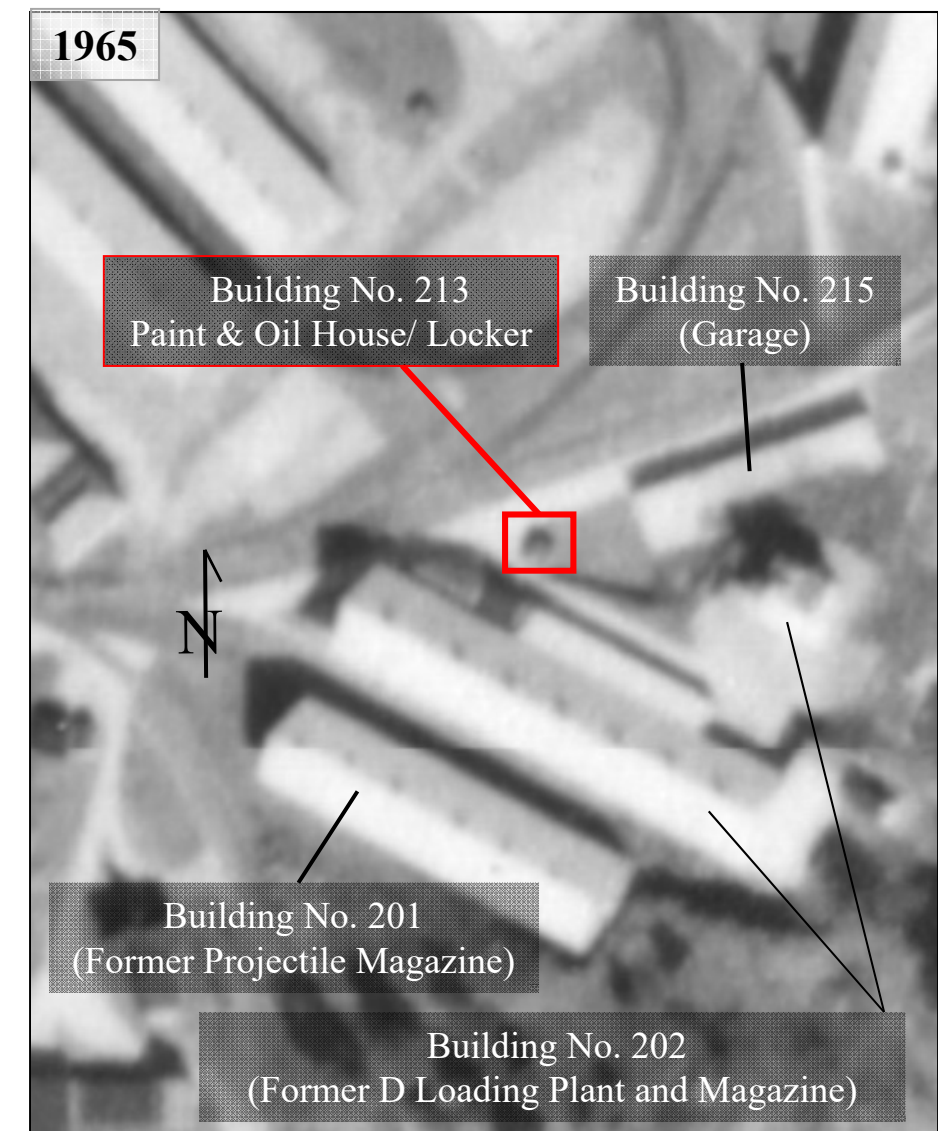
10' x 14', 140 square feet floor area;  
Concrete foundation, brick walls, concrete roof.  
Sources: GSA Appraisal dated 1965 and ND NAVFEC (building numbers list).

Storage: Paint Locker for BLDG 202  
Source: 1951 June 30 corrected 1947 layout plan.

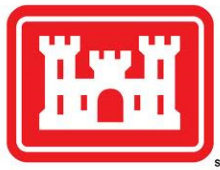
LOCATION DIAGRAM



1947Jun30\_NAVFEC\_Layout\_Plan\_NAD\_Iona\_Island.pdf



1965nov10\_EPZ\_1GG\_fr31\_Iona.tif



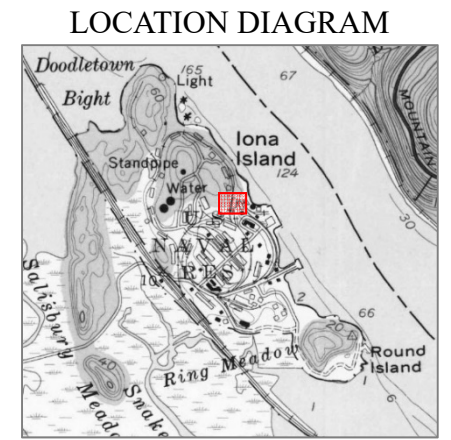
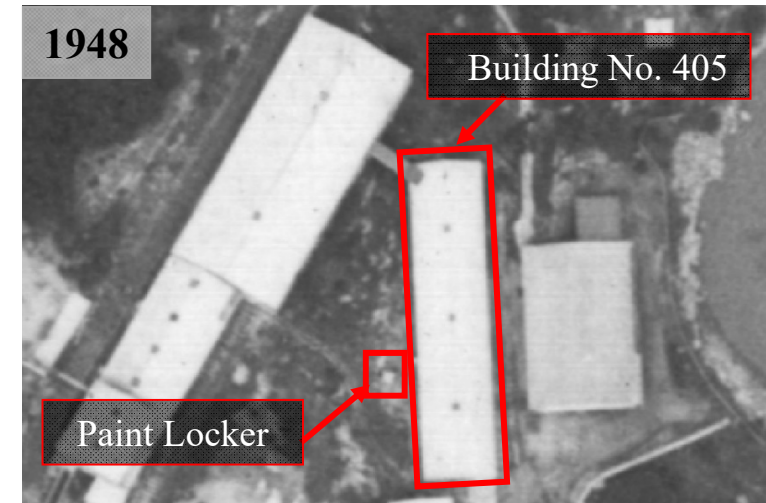
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



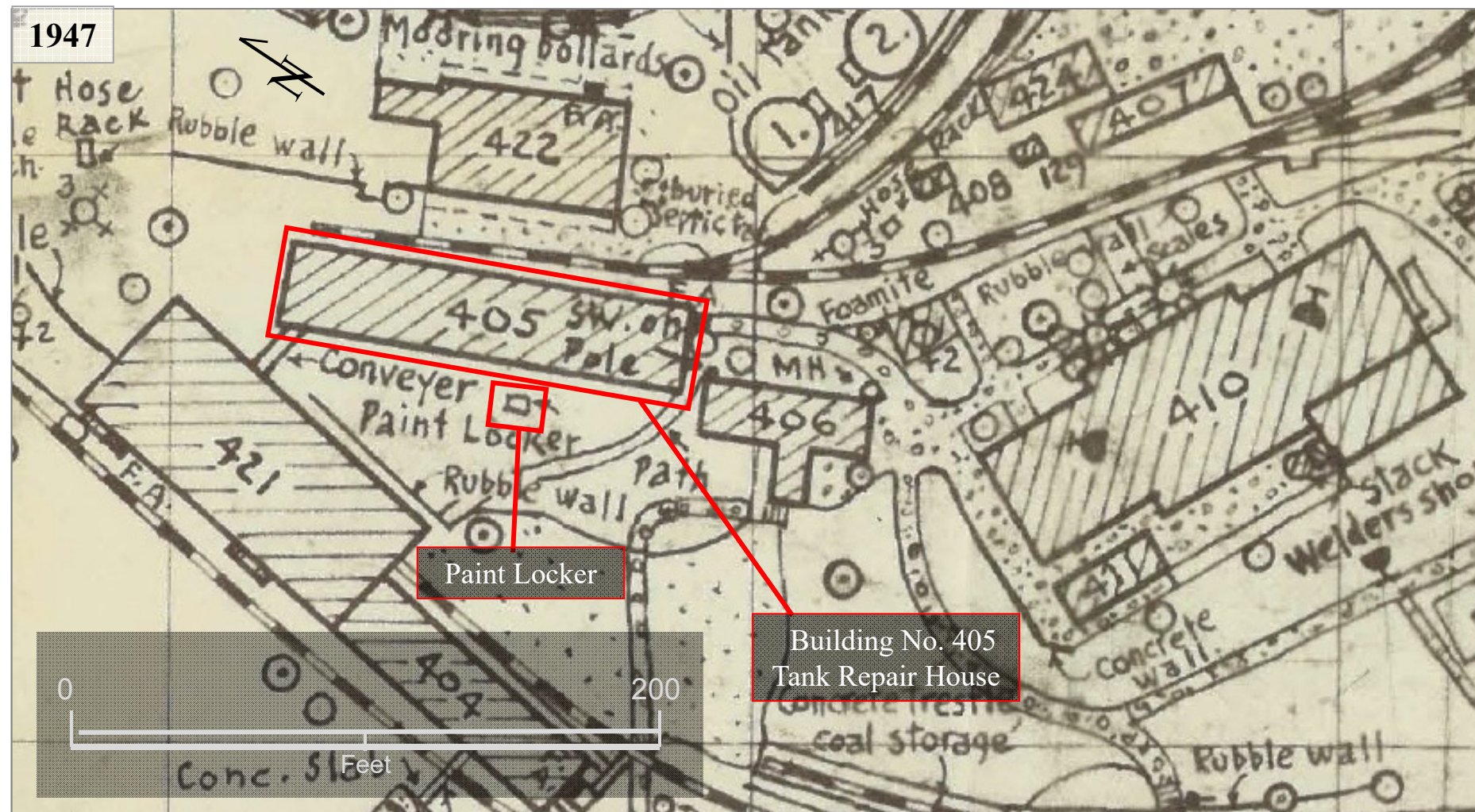
## BUILDING NO. 405 – TANK REPAIR HOUSE, AND PAINT LOCKER

Building No. 405 – Tank Repair House  
 30' x 140', 3,975 sq ft floor space  
 Brick. One story.  
 Source: 1948\_Bldgs\_Descr\_in\_Detail\_Wash\_Navy\_Yard\_Iona\_Island.pdf

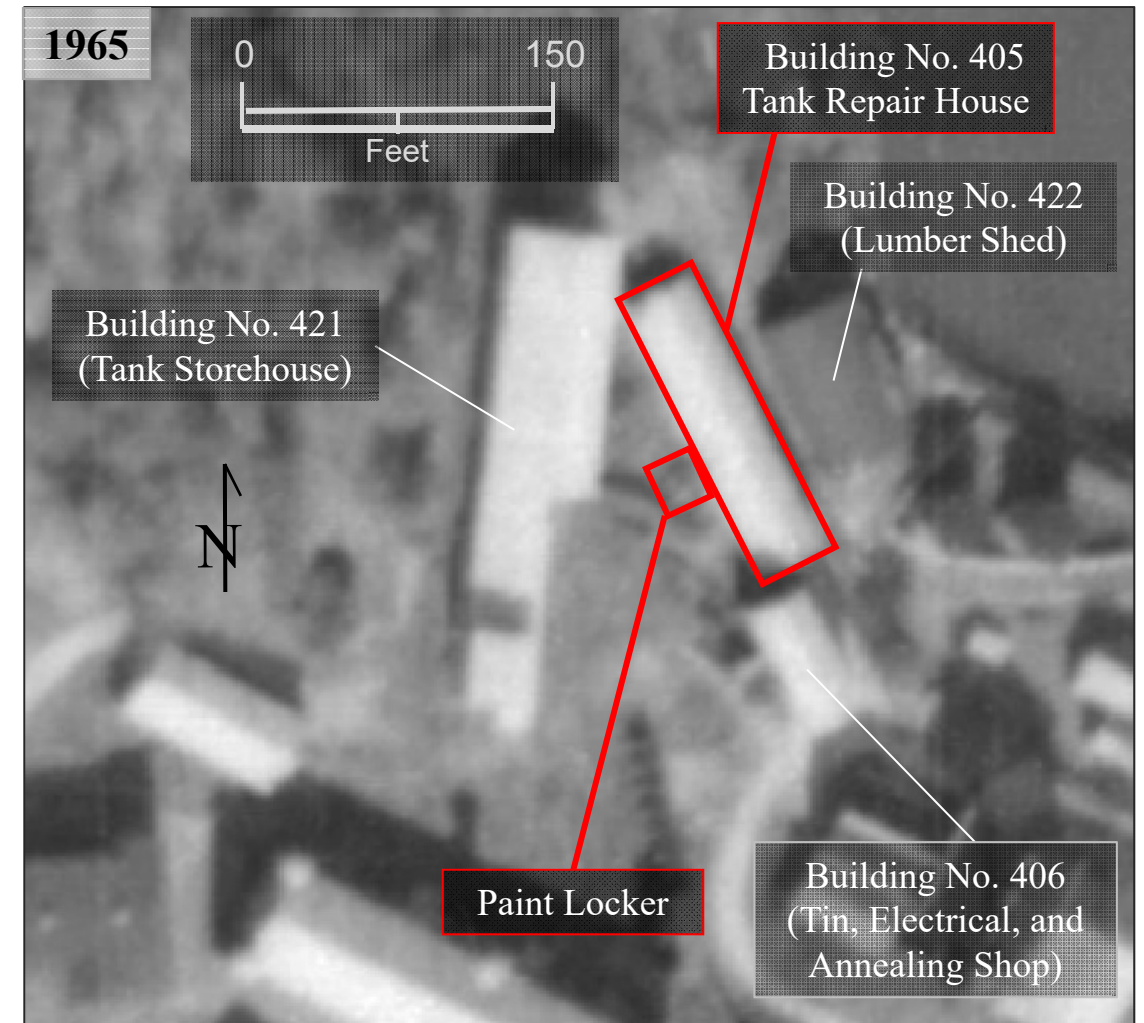
Building No. 405 – Tank Repair House  
 Built in 1904.  
 Source: ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf



1948jun18\_NARA-CP\_RG80\_396119\_Iona.tif



1947Jun30\_MAP\_NARA-CP\_RG291\_layout\_Iona.pdf



1965nov10\_EPZ\_4GG\_fr22\_Iona.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

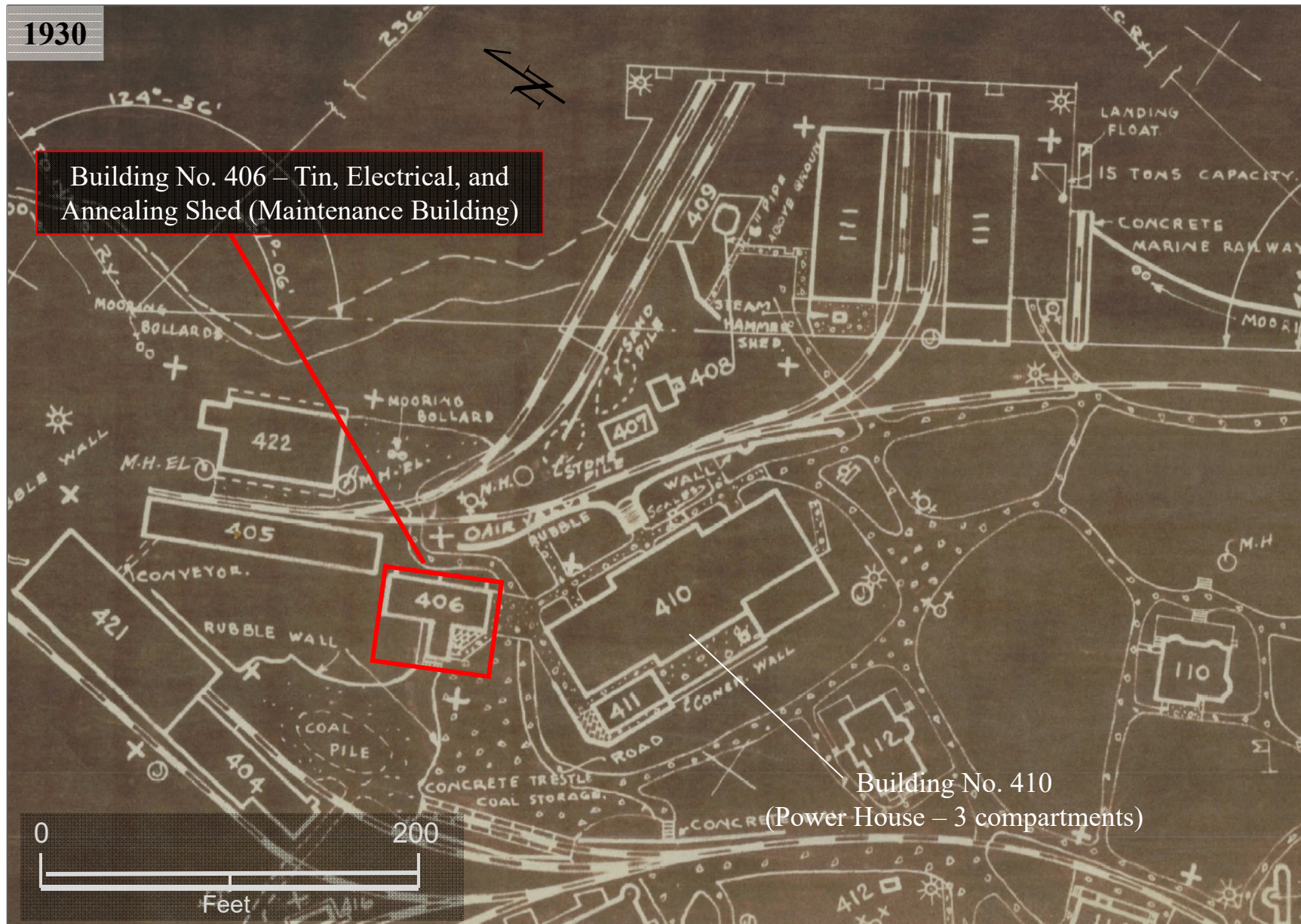
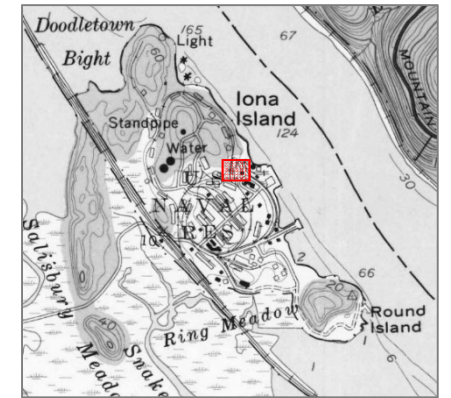


## BUILDING NO. 406 – TIN, ELECTRICAL, AND ANNEALING SHED (MAINTENANCE BUILDING)

62' x 26' (overall) 3,027sq ft floor space  
 Two wings & two stories in height.  
 Original structure built in 1902.  
 Source: 1965 GSA Appraisal data.

Brick walls.  
 Electric Shop on first floor.  
 Tin Shop located on the second floor.  
 Source: 1948\_Bldgs\_Descr\_in\_Detail\_Wash\_Navy\_Yard\_Iona\_Island.pdf

LOCATION DIAGRAM



1930May01\_rev1928Dec31\_NARA2\_RG71\_Layout\_NAD\_Iona\_Island.pdf

The annealing furnace is declared “obsolete” in May of 1945. On this date a request is made to the Chief of the Bureau of Ordnance to have the furnace removed, and to “use the annealing room as required for other Depot operations.”<sup>1</sup>

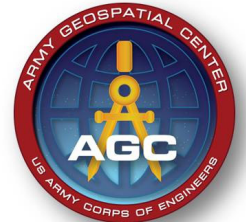


1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif

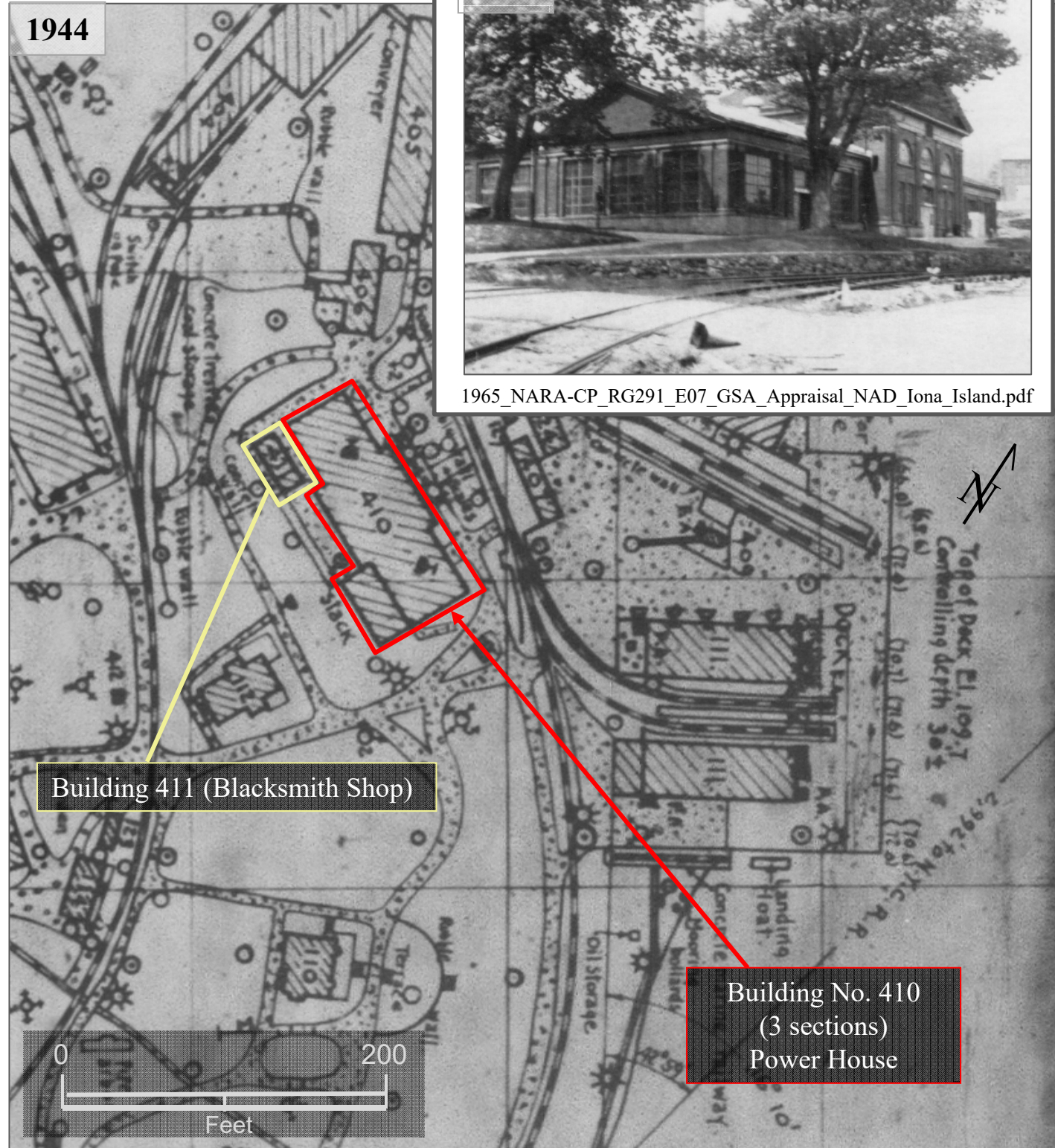
1. 1945May31\_NARA-CP\_RG74\_Annealing\_Furnace\_closed\_NAD\_Iona\_Island.pdf



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



## BUILDING NO. 410 – POWER HOUSE



1944Jun30corrected\_1943\_NAVFEC\_Reel332\_Fr46a\_NAD\_Iona\_isle.jpg

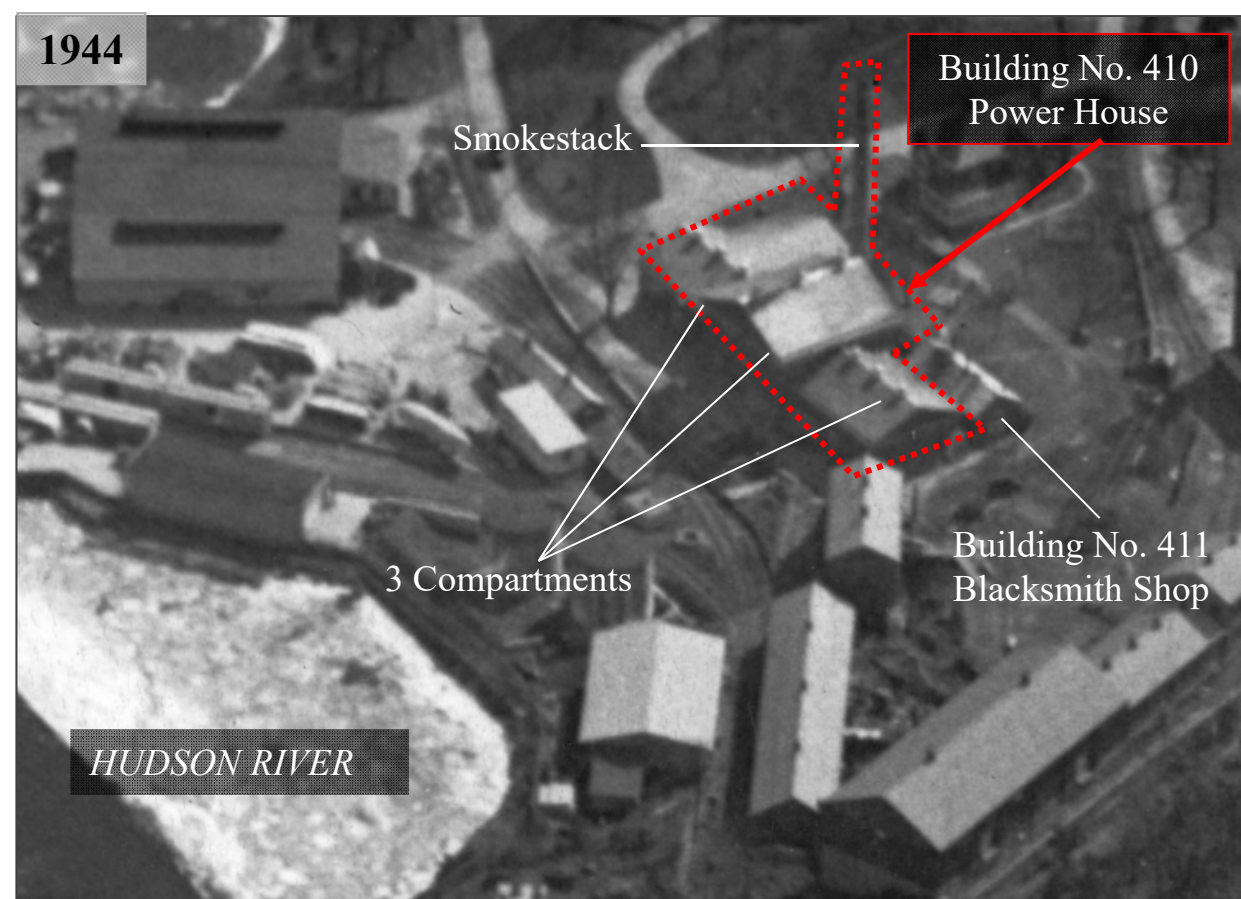
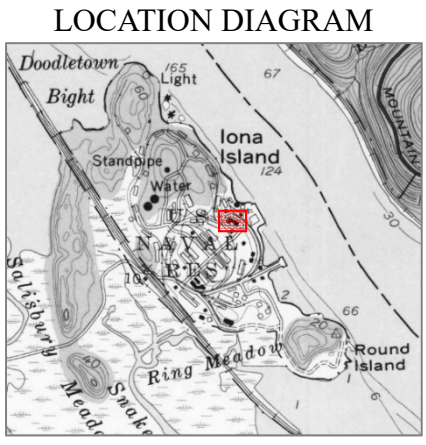


1965\_NARA-CP\_RG291\_E07\_GSA\_Appraisal\_NAD\_Iona\_Island.pdf

Power House, Electric Generating Plant and a well equipped Machine Shop. Building No. 410 is divided into three (3) separate compartments, 54' x 54', 52' x 44' and 71' x 52' with an 8,419 square foot floor space and 173,736 cubic foot area. The center section of this building houses the three (3) main boilers.

1948\_Bldgs\_Descr\_in\_Detail\_Wash\_Navy\_Yard\_Iona\_Island.pdf

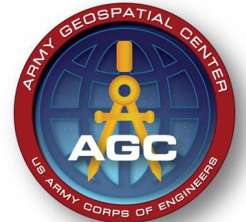
54' x 150', 8,419 square feet floor area.  
 Built in 1902.  
 Source: ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf



1944mar07\_NARA-CP\_RG80\_221150\_NAD\_Iona\_Island\_o.tif



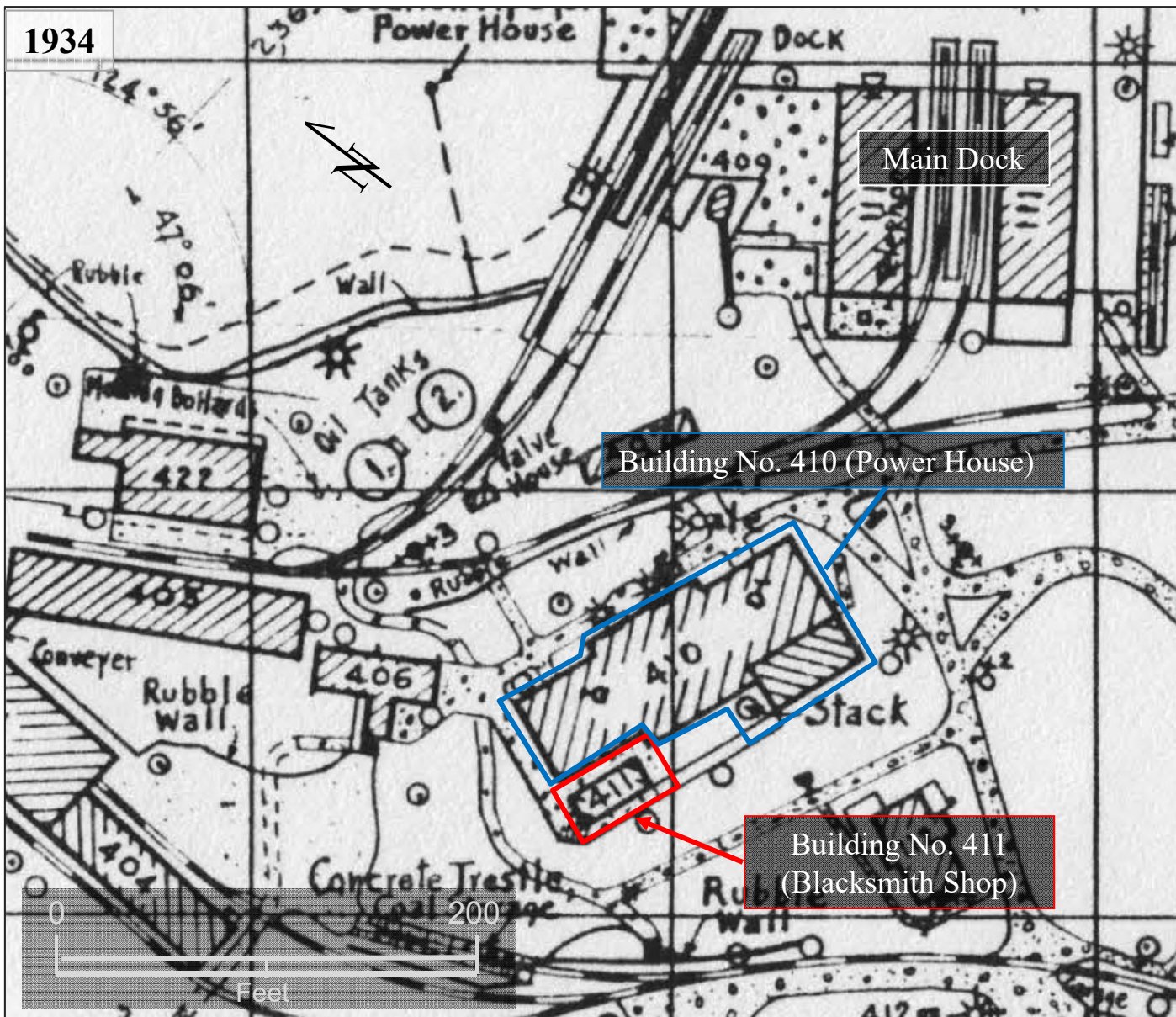
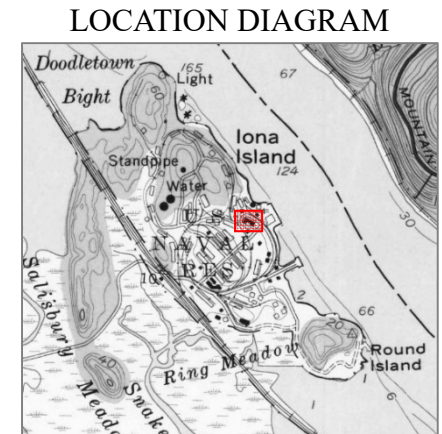
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



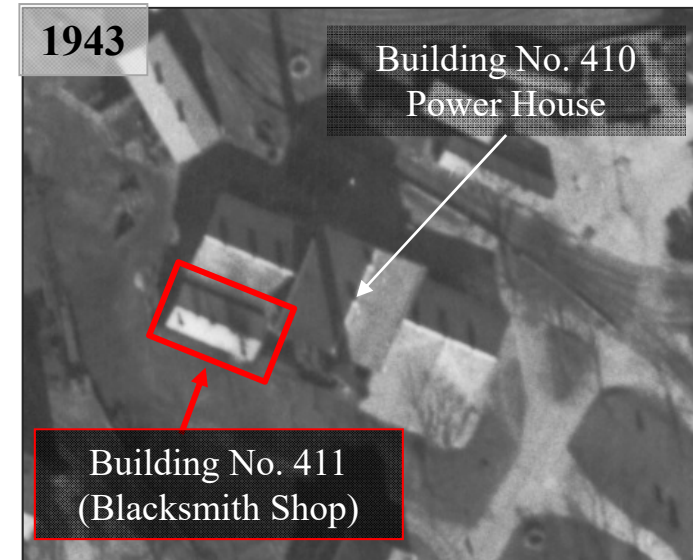
## BUILDING NO. 411 – BLACKSMITH SHOP (SMITHERY)

Concrete foundation; brick walls; asbestos roof.  
Source: 1965Mar03\_NARA-CP\_RG291\_E07\_GSA\_Excess\_NAD\_Iona\_Island.pdf

21' x 47', 885 square feet floor area; Built in 1914.  
Source: ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf



1934Jun30\_MAP\_NAVFEC\_layout\_Iona.pdf



1943jan01\_NARA-CP\_RG373\_fr1V06\_Iona.tif



1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

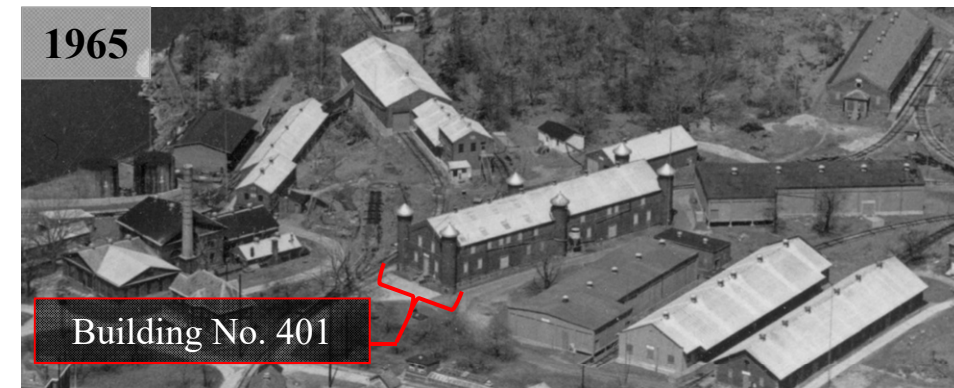


## BUILDING NO. 401 – STOREHOUSE NO. 1 & CARPENTER SHOP

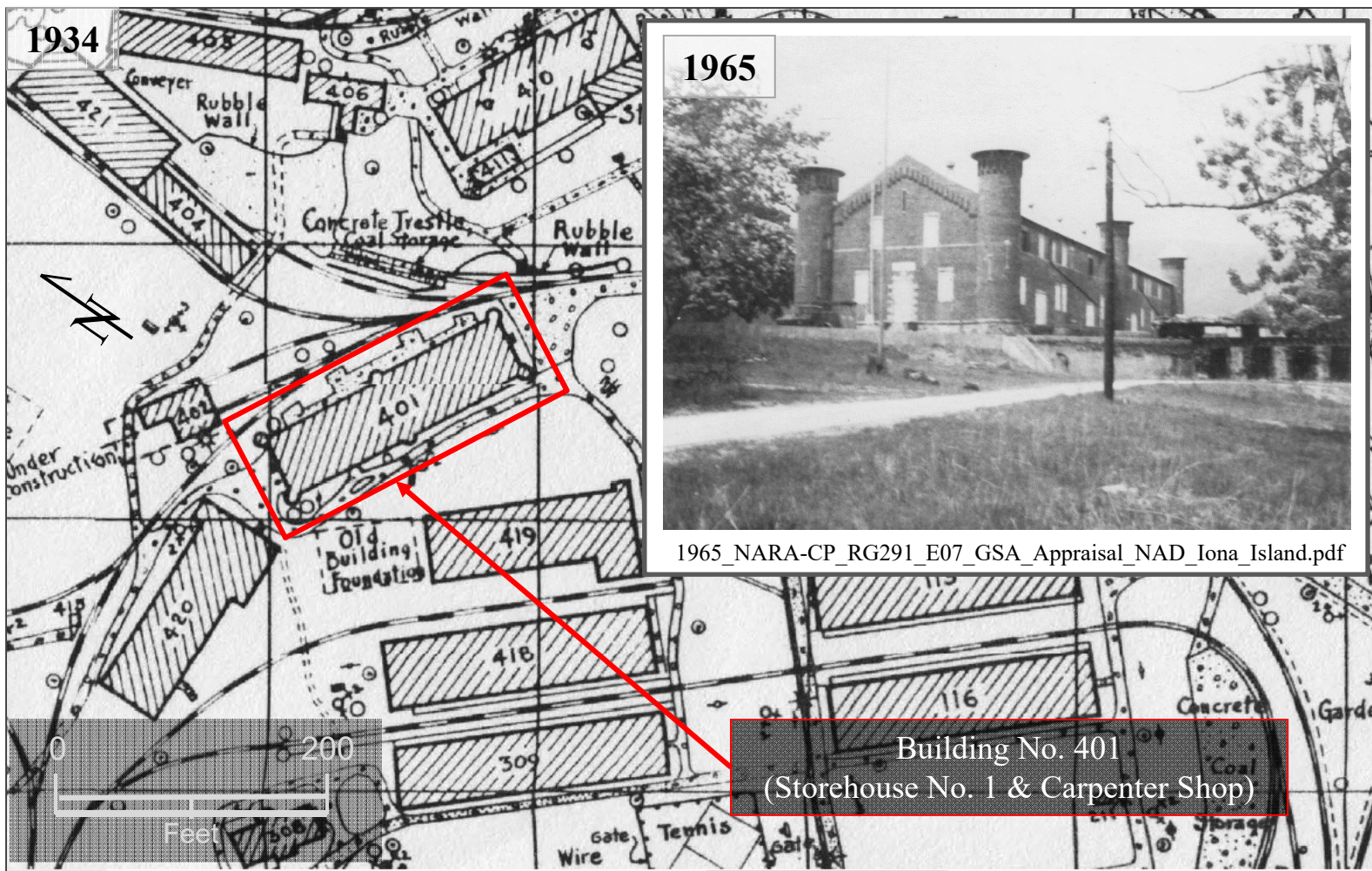
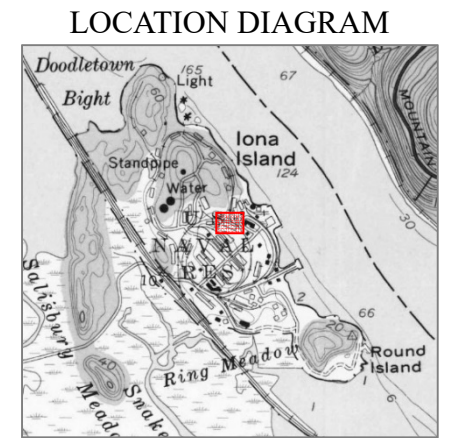
Prior to 1934, official layout plans depict Building No. 401 simply as Storehouse No. 1 (without an added Carpenter Shop description). On a 1931 aerial, however, there appear to be piles of possible lumber & lumber products (see lower-right).

Building No. 401 - Storehouse No. 1  
50' x 200', 18,242 square feet floor area; Built in 1902.  
Source: ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf

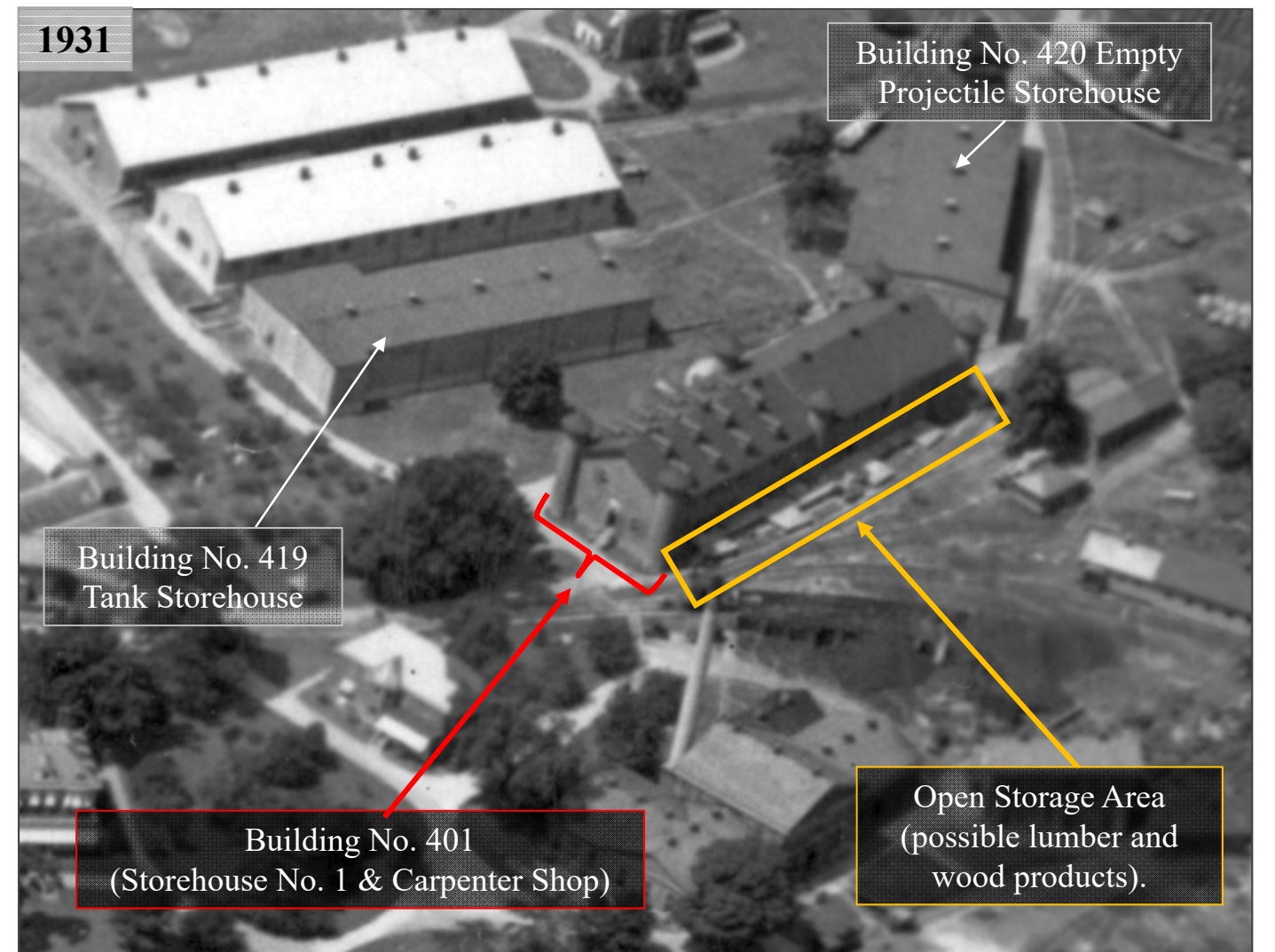
Stone foundation; brick walls; asbestos roof.  
Source: 1965Mar03\_NARA-CP\_RG291\_E07\_GSA\_Excess\_NAD\_Iona\_Island.pdf



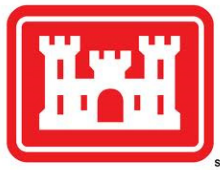
1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif



1934Jun30\_MAP\_NAVFEC\_layout\_Iona.pdf



1934Jun30\_MAP\_NAVFEC\_layout\_Iona.pdf



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## BUILDING NO. 423 – SMOKE DRUM HOUSE

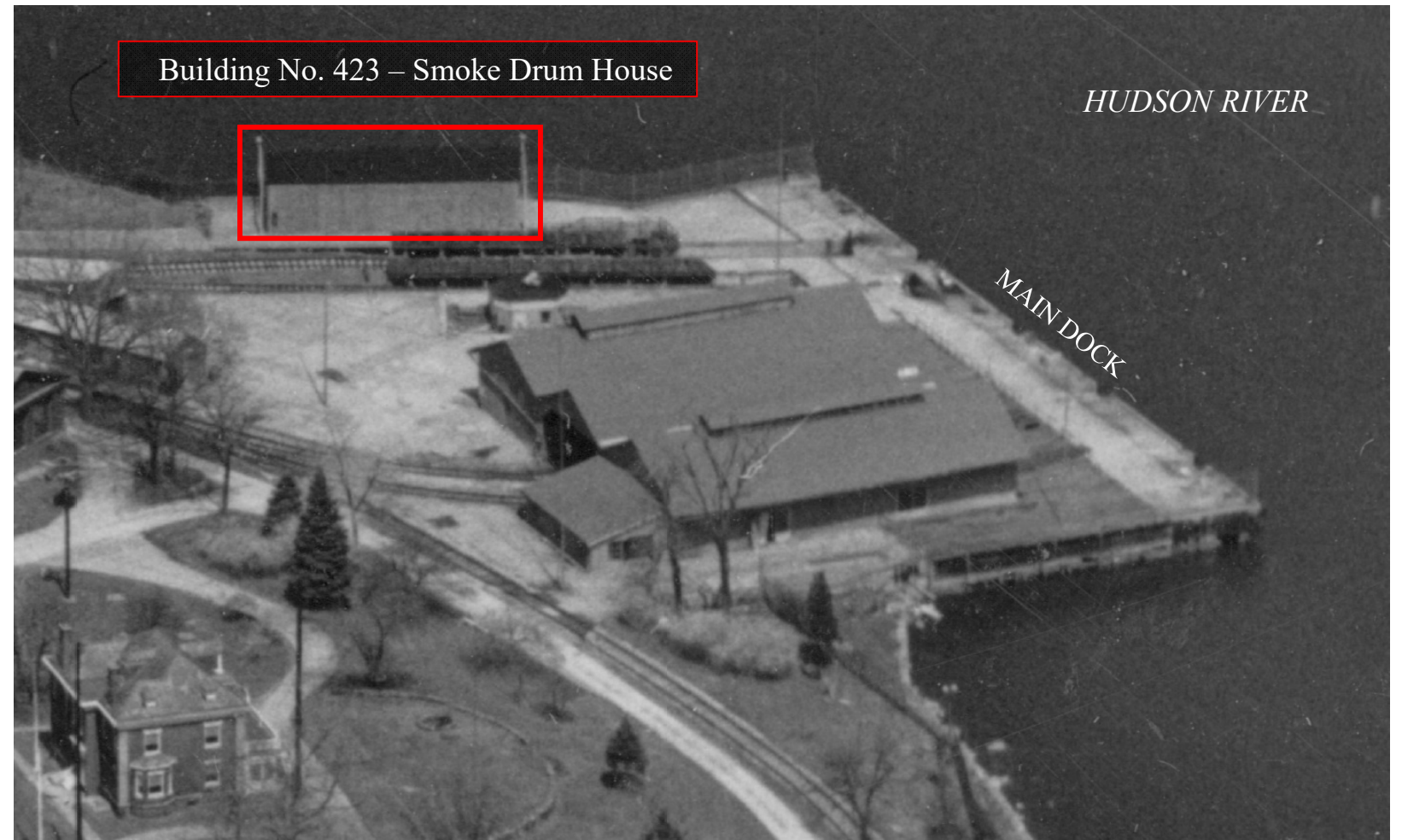
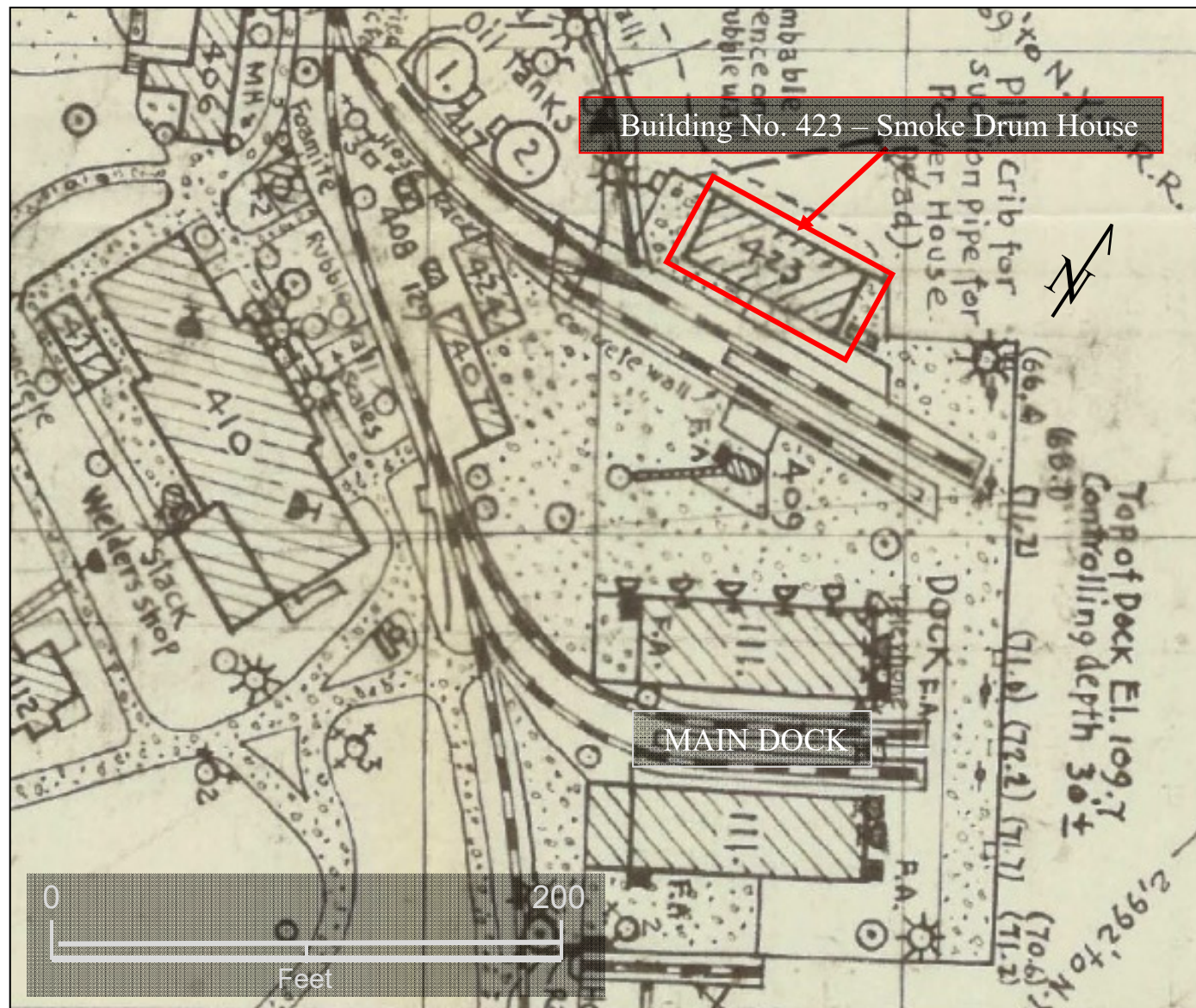
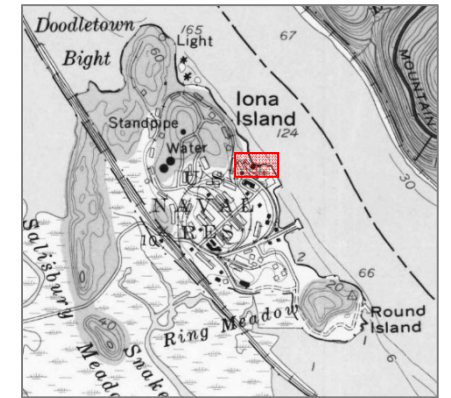


69' 4" x 26' (overall) 1,700sq ft floor space (approx.)  
 Roof (flat) and foundation are concrete.  
 One floor.  
 Walls are cinder block.  
 Built in 1942.

*Smoke drums held fog oil that was deployed to create a smoke screen for air defense.<sup>1</sup>*

Sources: 1958May01\_WNRC\_RG291\_Real\_Est\_&\_Bldgs\_Annex\_NAD\_Iona\_Island.pdf, 1944Jun30 corrected 1943 layout plan, and ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf

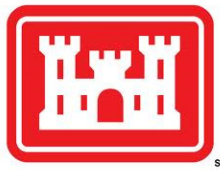
LOCATION DIAGRAM



1947Jun30\_NARA-CP\_RG291\_E7\_Bx205\_Layout\_NAD\_Iona\_Island.pdf

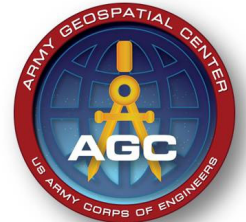
1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif

1. Source: Environmental Assessment: Airfield Improvements and Building Demolition, Marine Corps Base Hawaii, Kaneohe Bay, Appendices, 22 December 2016 letter..



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## BUILDING NOS. 124-128 – SEWAGE DISPOSAL PLANT

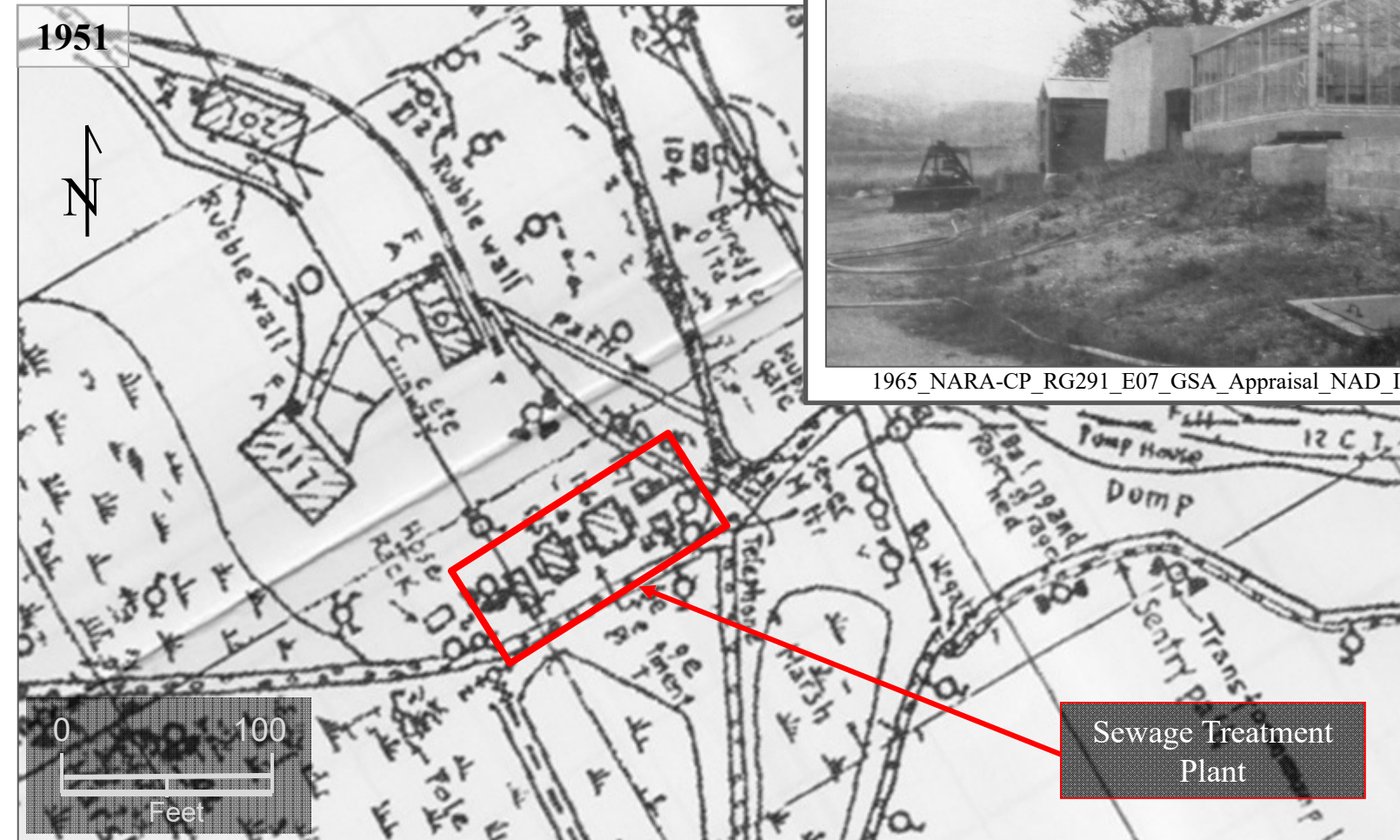
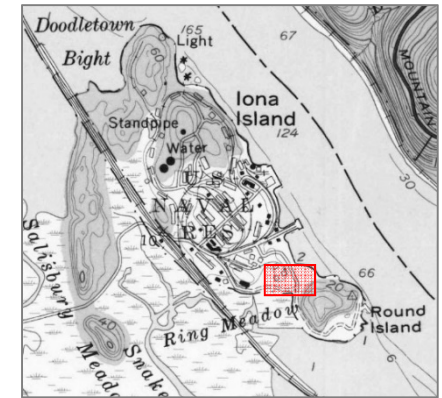


The sewage disposal plant at NAD Iona Island was an Imhoff installation consisting of two (2) settling tanks, a glass-enclosed sludge bed, and accessories. This system was designed for a 1,000 person capacity.

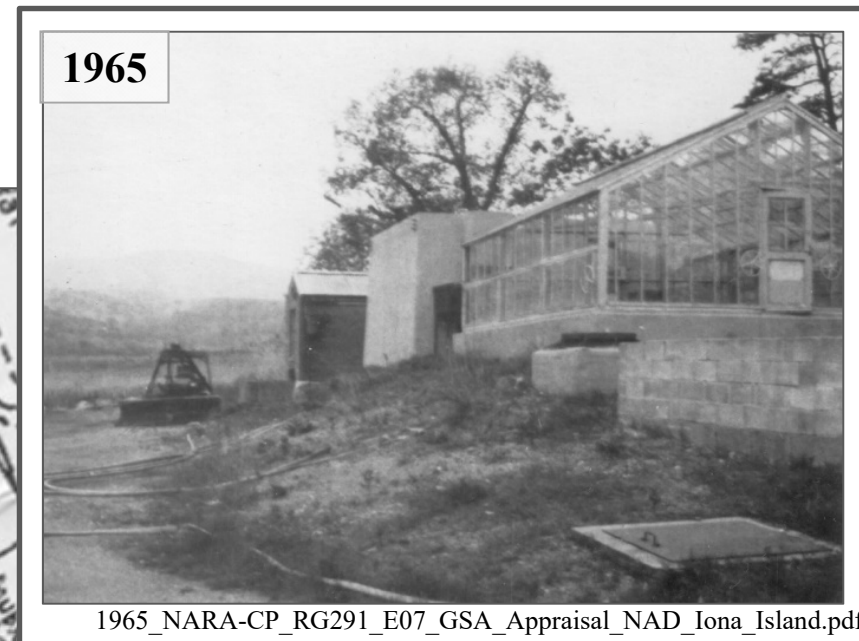
Source: 1948\_WASH-NAV-YRD\_Bldgs\_Descr\_in\_Detail\_NAD\_Iona\_Island.pdf

The sewage treatment plant on NAD Iona Island is first observed on a 1934 Naval Facility Layout Plan.<sup>1</sup> 1932 and 1933 layout plans do not indicate a sewage treatment plant constructed on NAD Iona Island.

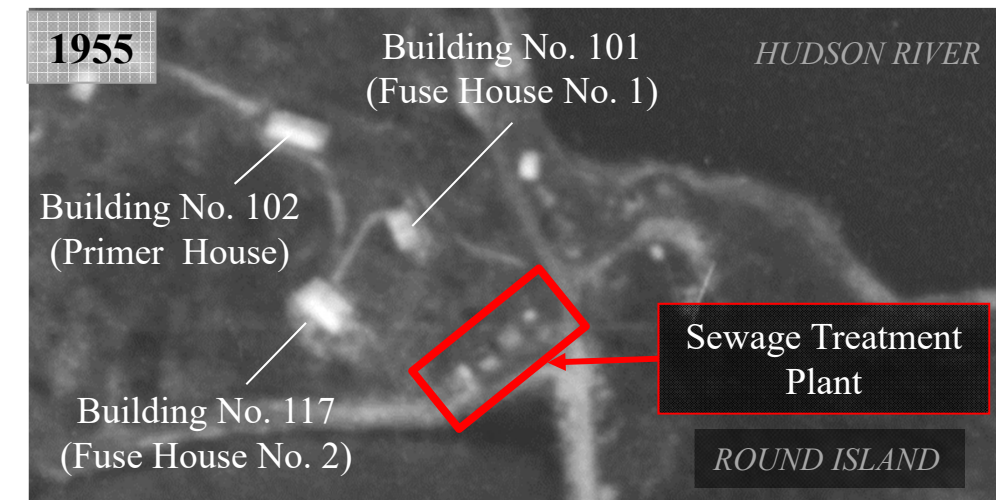
LOCATION DIAGRAM



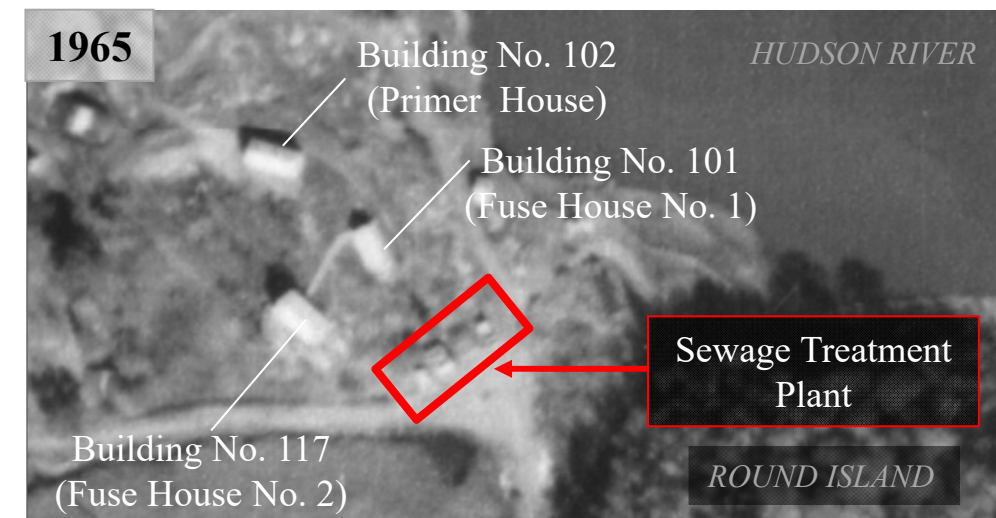
1951Jun30corrected\_1947\_MAP\_NAD\_Iona\_isle.jpg



1965\_NARA-CP\_RG291\_E07\_GSA\_Appraisal\_NAD\_Iona\_Island.pdf



1955MAY02\_Fr165\_RG373\_NARA-CP\_Iona\_Island.tif



1965nov10\_EPZ\_1GG\_fr31\_Iona.tif

1. 1934Jun30\_NAVFEC\_Layout\_Plan\_NAD\_Iona\_Island.pdf



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

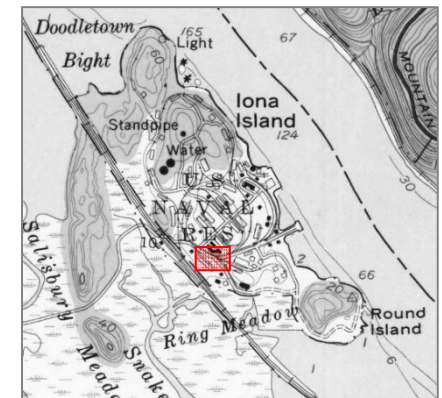
## BUILDING NO. 207 – GARAGE <sup>1</sup>

PART 1 OF 2



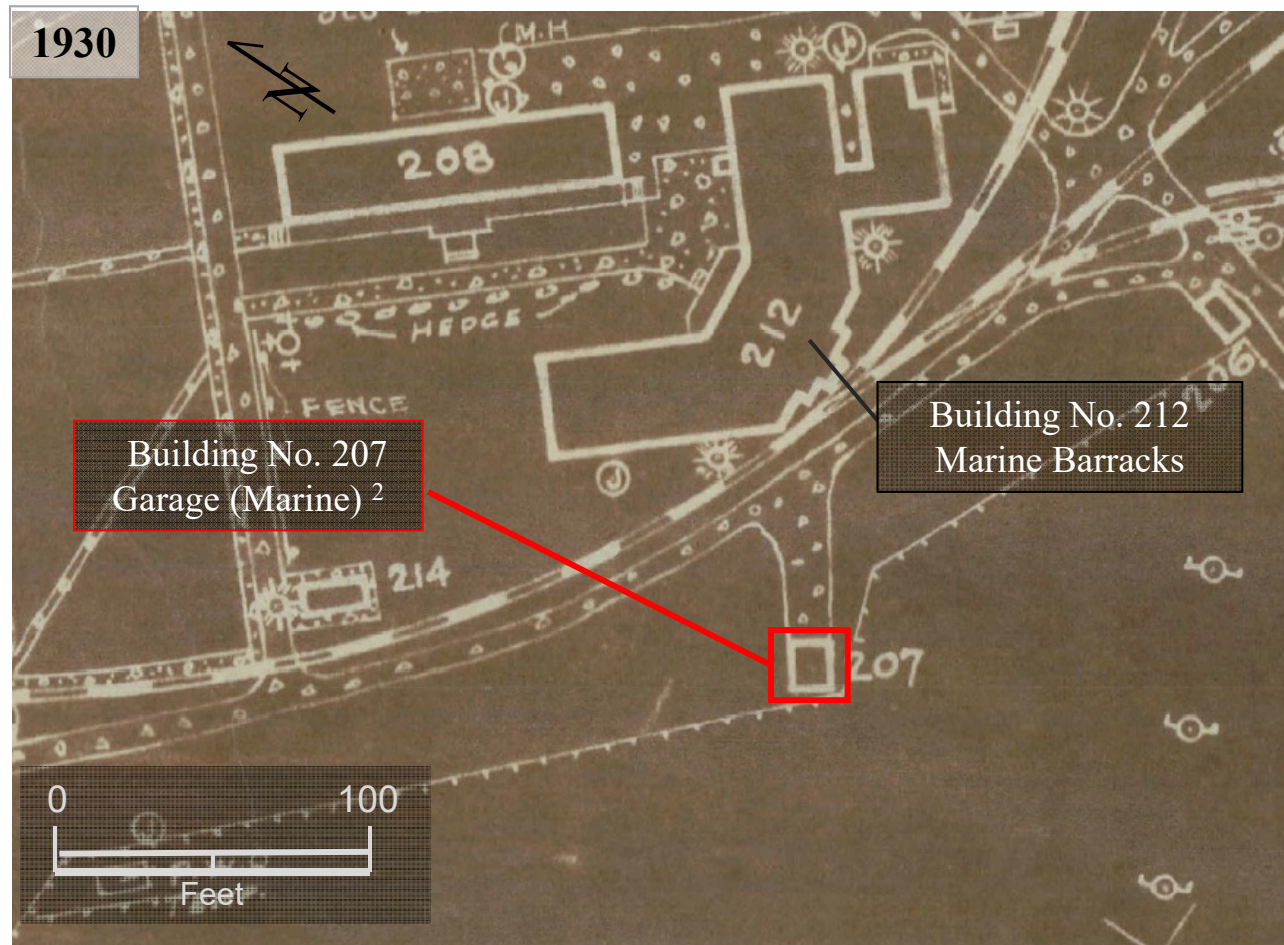
Building No. 207 is eventually demolished at its 1930 location when a new building, Building No. 222, is constructed around 1934. Building No. 207 is shown, rebuilt, at a new location (see next page).

LOCATION DIAGRAM

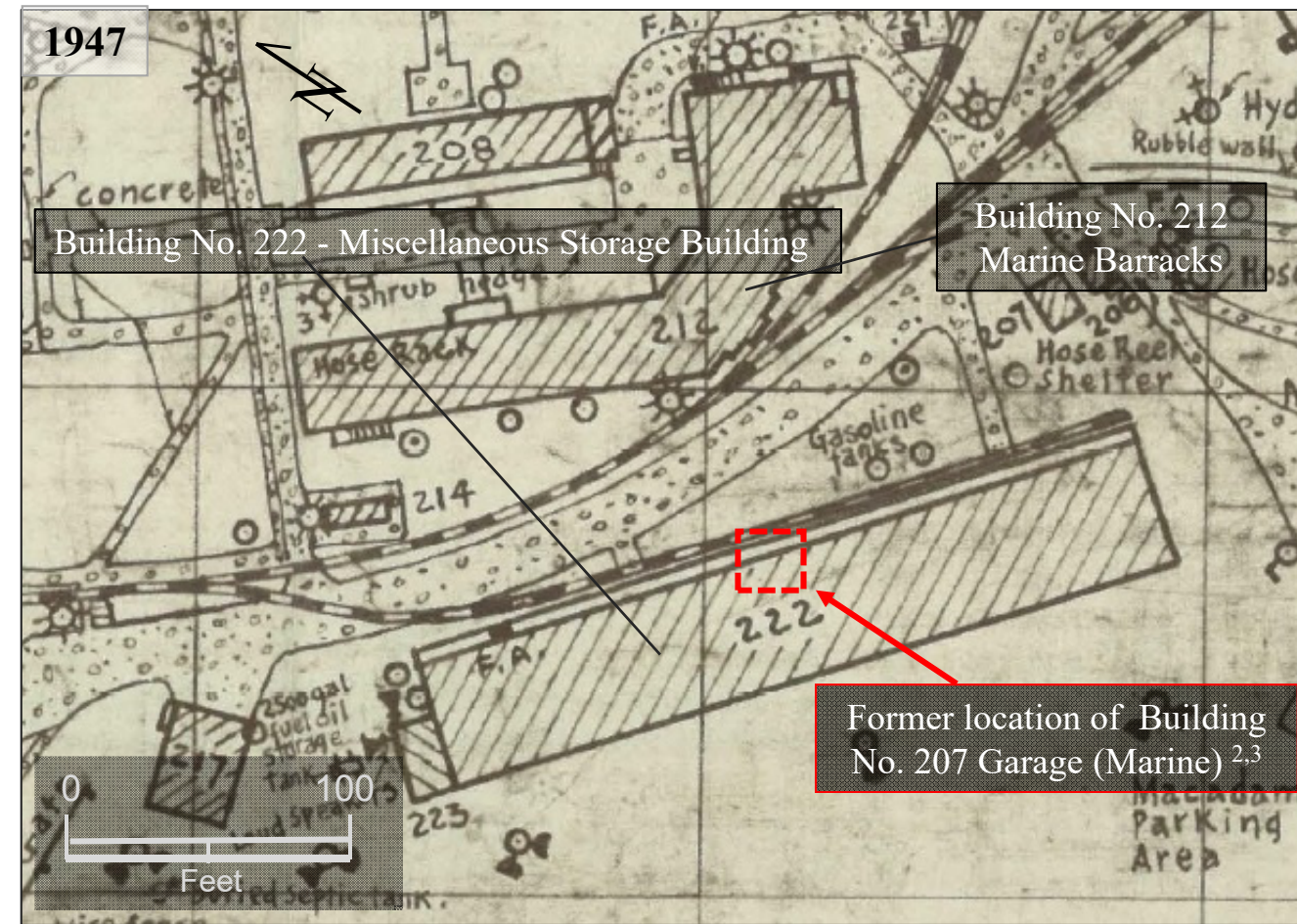


Built in 1905.  
Source: ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf

Building No. 222, built over the Building No. 207 location, is shown on a 1947 official layout plan (see map below).



1930May01\_rev1928Dec31\_NARA-CP\_RG71\_Layout\_NAD\_Iona\_Island.pdf



1947Jun30\_NARA-CP\_RG291\_E7\_Bx205\_Layout\_NAD\_Iona\_Island.pdf

1. 1930May01\_rev1928Dec31\_NARA-CP\_RG71\_Layout\_NAD\_Iona\_Island.pdf
2. ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf
3. Location of former Building No. 207 identified using ArcGIS Version 10.4.1



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

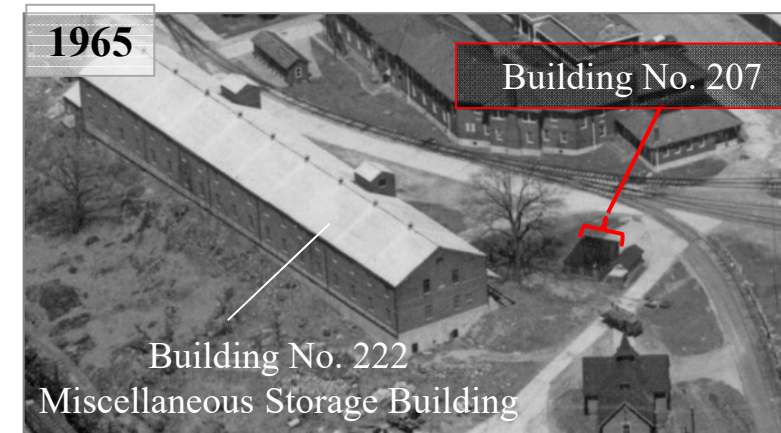


## BUILDING NO. 207 – GARAGE<sup>1</sup>

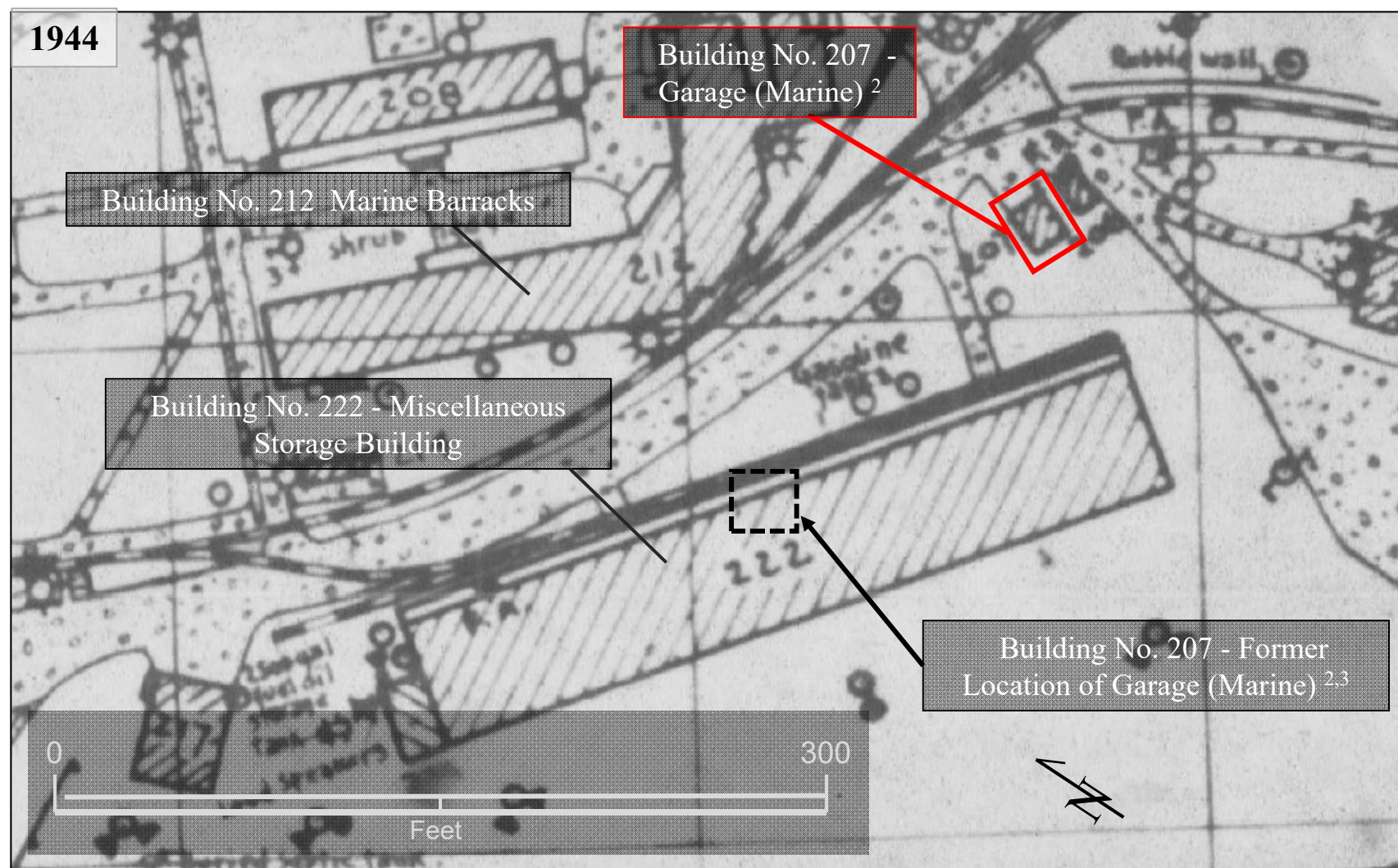
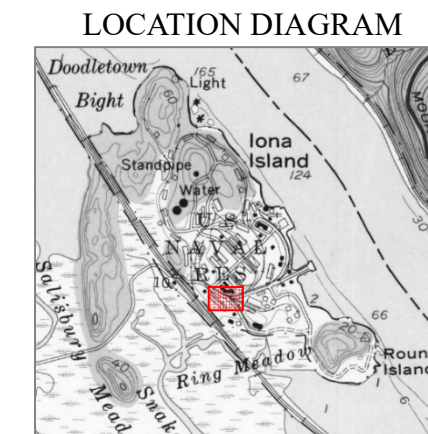
PART 2 OF 2

The original Building No. 207 is demolished sometime in the early 1930s to clear an area for Building No. 222. Building No. 207 is reconstructed, at a new location on the depot property (see 1944 map location below and 1943 aerial photo below-right).

18' x 24', 376 square feet floor area  
Source: ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf



1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif

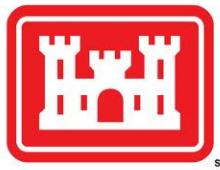


1944Jun30\_corrected1943\_NAVFEC\_Layout\_Plan\_NAD\_Iona\_island.pdf



1943jan01\_NARA-CP\_RG373\_fr1V06\_Iona.tif

1. 1930May01\_rev1928Dec31\_NARA-CP\_RG71\_Layout\_NAD\_Iona\_Island.pdf
2. ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf
3. Location of former Building No. 207 identified using ArcGIS Version 10.4.1



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## BUILDING NOS. 123, 215, 219, AND 220 – GARAGES

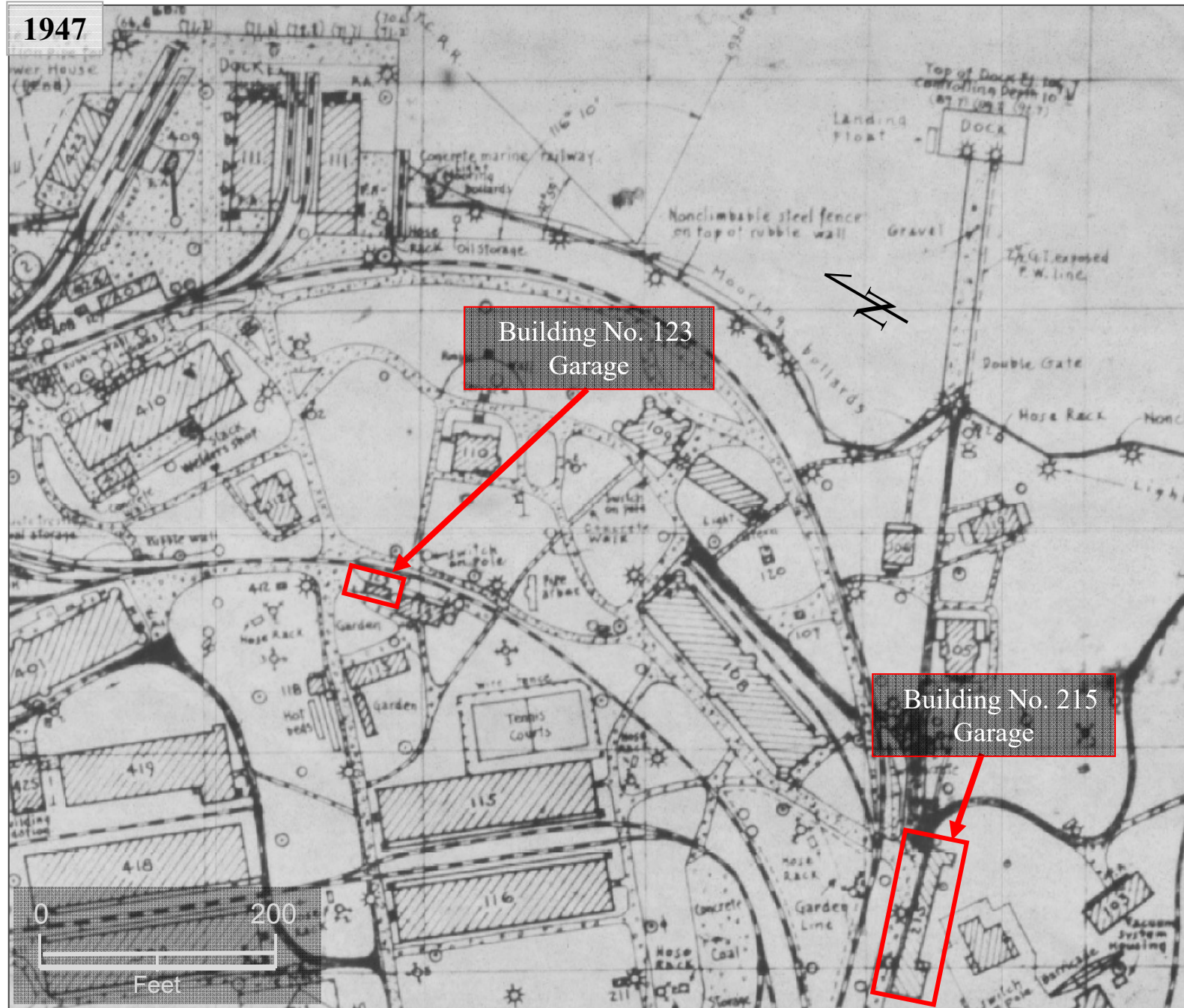
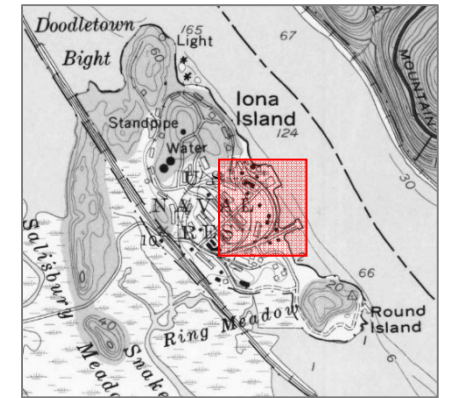
PART 1 OF 2



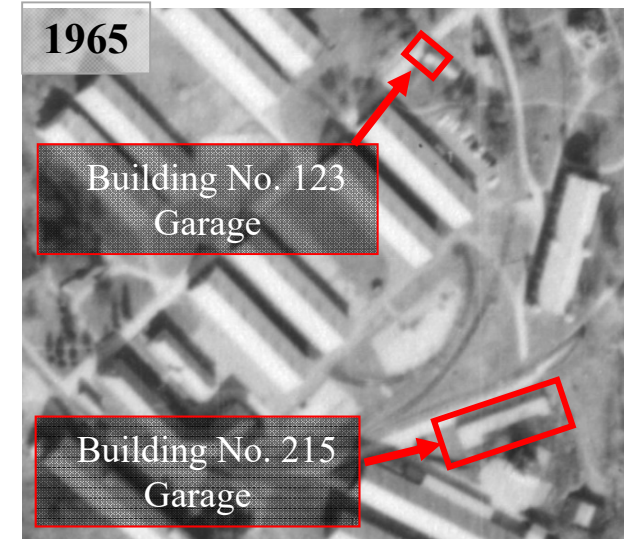
Building No. 123; 14' x 25', 300 square feet floor area; floor space (1 car)  
Source: ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf

Building No. 215; 32' x 139' 2,900 sq ft floor space (14 cars)  
Source: ND\_NAVFEC\_Bldg\_Numbers\_NAD\_Iona\_Island.pdf

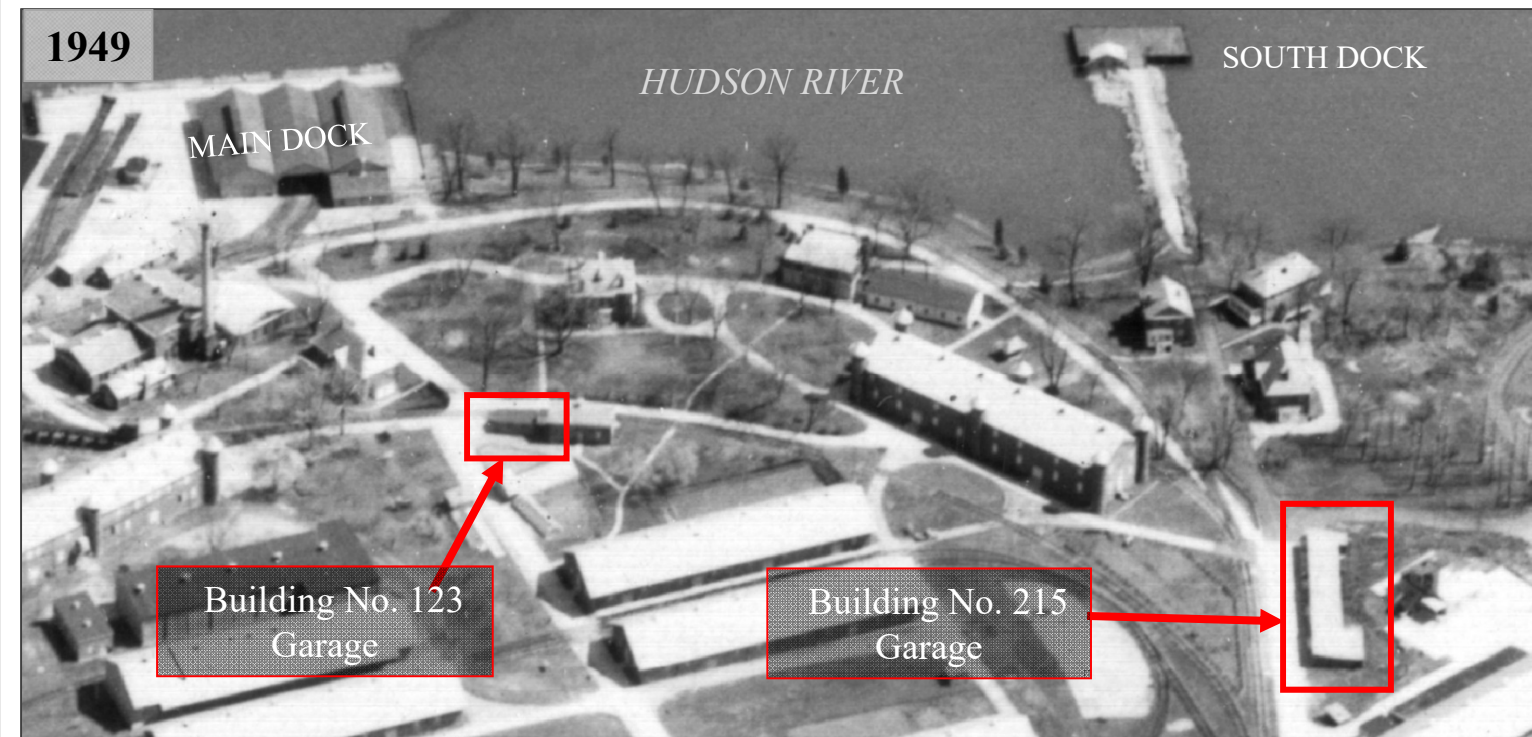
LOCATION DIAGRAM



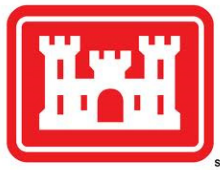
1947Jun30\_NAVFEC\_Layout\_Plan\_NAD\_Iona\_Island.pdf



1965nov10\_EPZ\_4GG\_fr22\_Iona.tif



1949APR04\_NARA2\_RG80\_406100\_NAD\_Iona\_Isle\_o.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## BUILDING NOS. 123, 215, 219, AND 220 – GARAGES

PART 2 OF 2



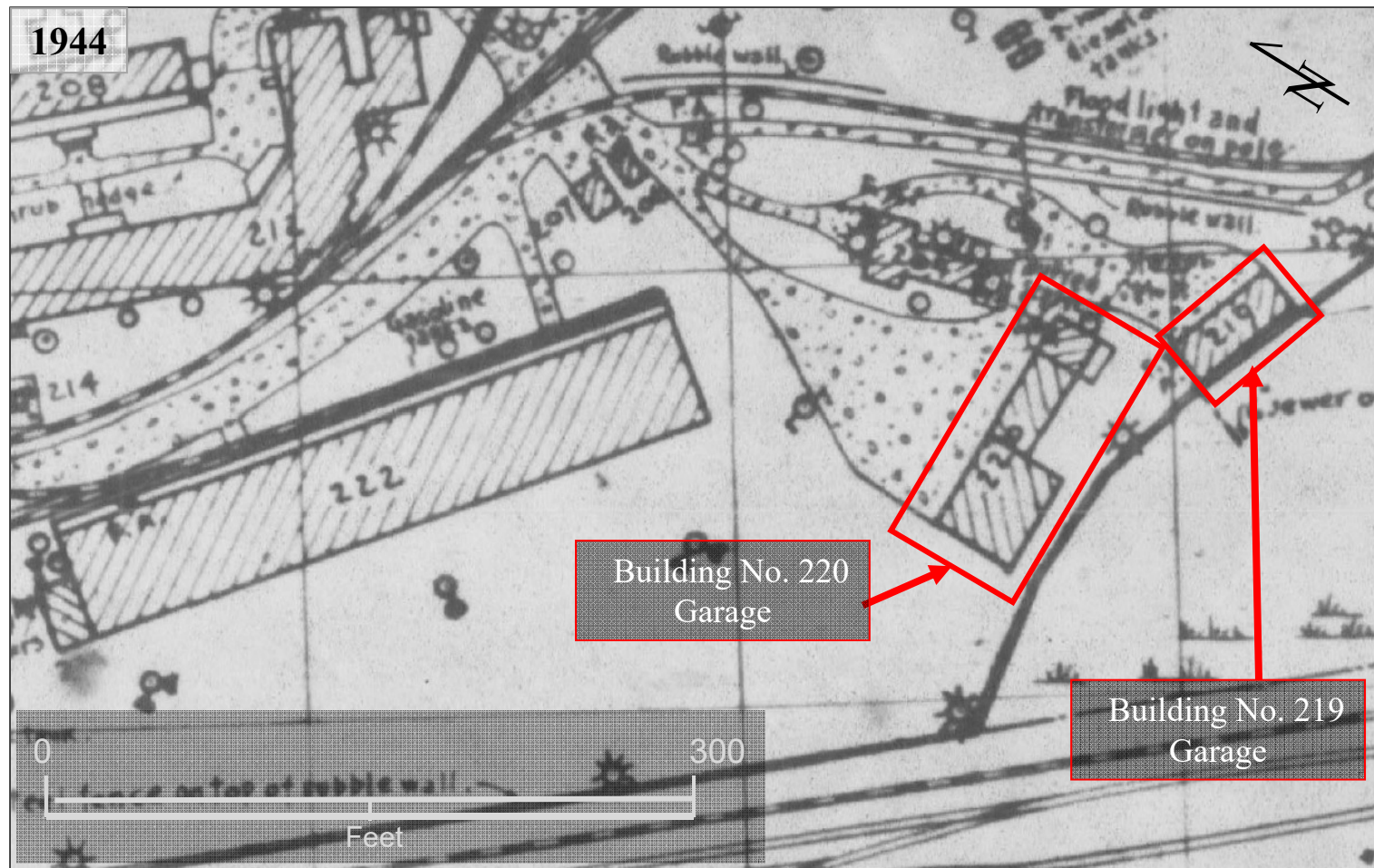
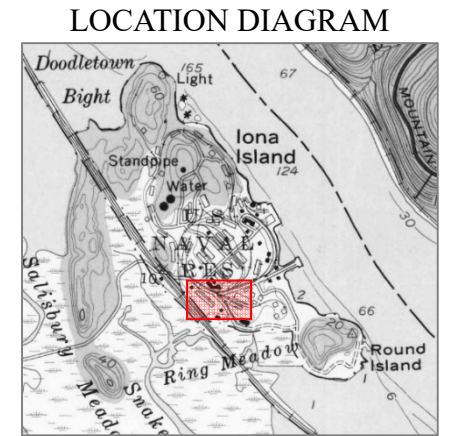
Building No. 219; Wagon Shed and Garage.

Building No. 220; 14' x 25', 1,457 square feet floor area; built in 1918 as a Wagon Shed and Garage  
Source: ND\_Bldg\_Numbers\_Seabee\_Museum\_NAD\_Iona\_Island.pdf

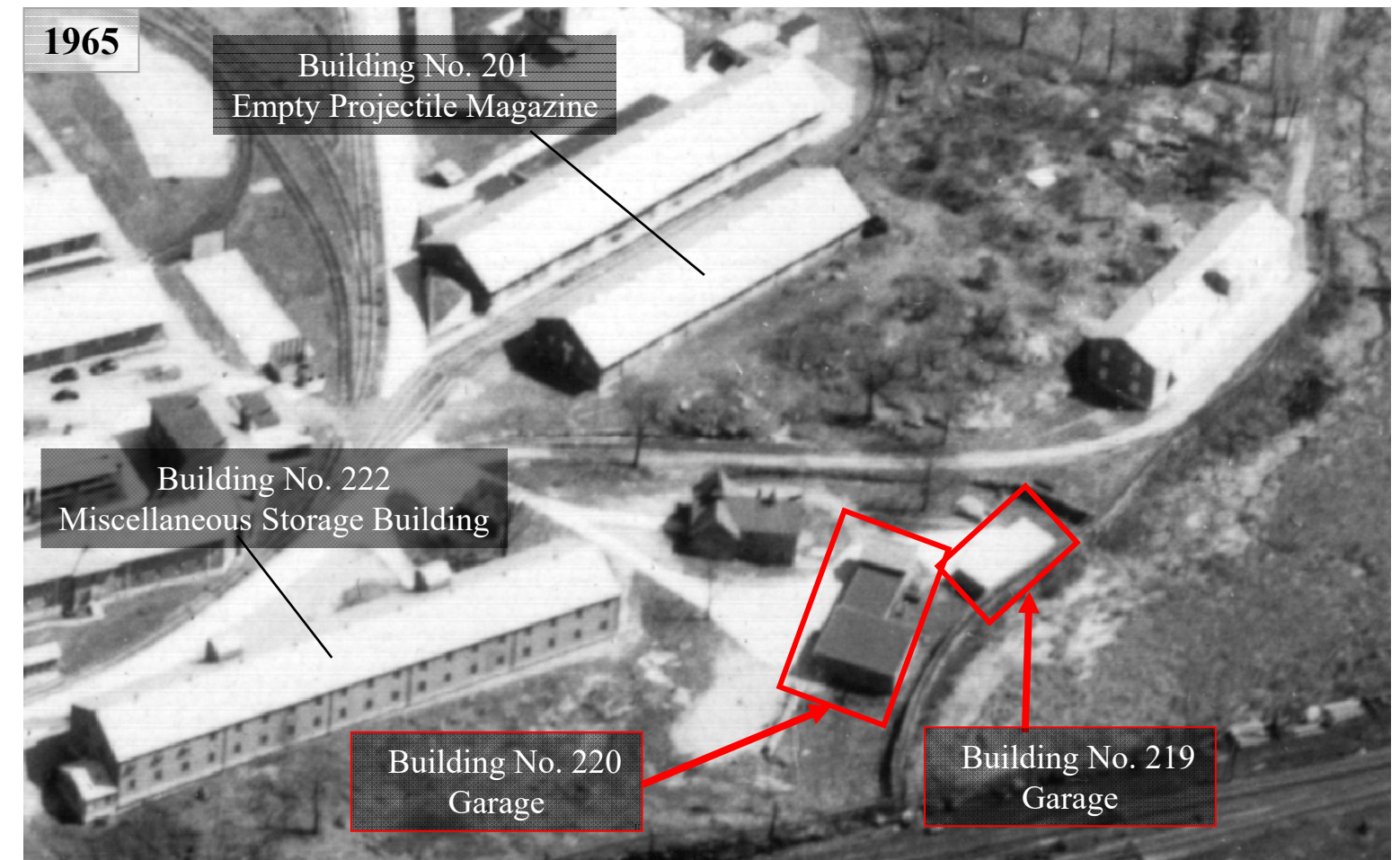
Building No. 220; also known as the Maintenance and Overhaul Shop  
This building is equipped with a grease pit and numerous work benches.  
Source: 1948\_Bldgs\_Descr\_in\_Detail\_Wash\_Navy\_Yard\_Iona\_Island.pdf



2018Jan21\_NGA\_ortho\_cell\_Iona.tif



1944Jun30\_corrected1943\_NAVFEC\_Layout\_Plan\_NAD\_Iona\_island.pdf



1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

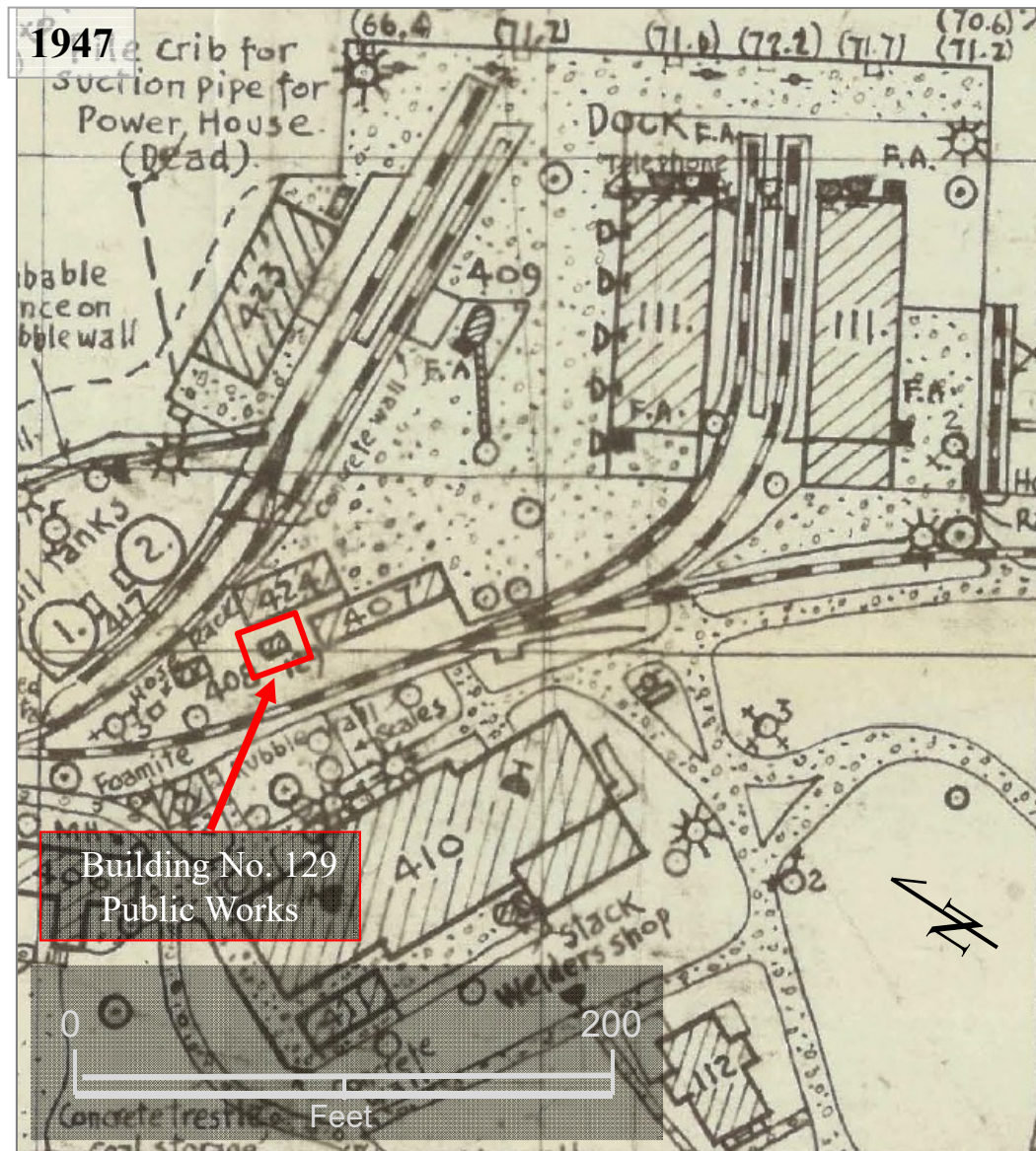
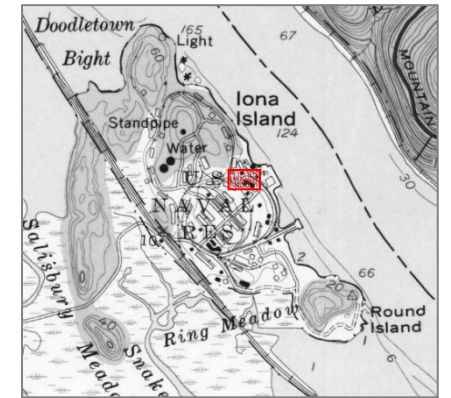


## BUILDING NO. 129 – PUBLIC WORKS

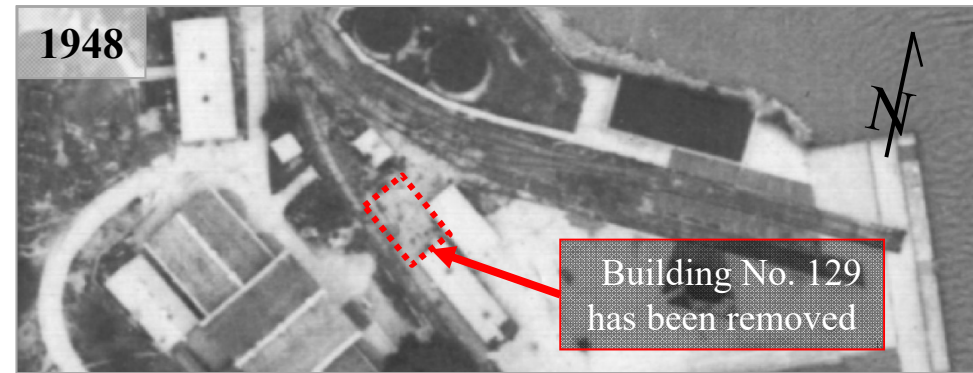
The Public Works building, Building No. 129, is first observed on 1943 aerial photography and last observed on 1946 aerial photography.<sup>1</sup>

The Public Works building, Building No. 129, is confirmed gone by 1948 (see image directly below).

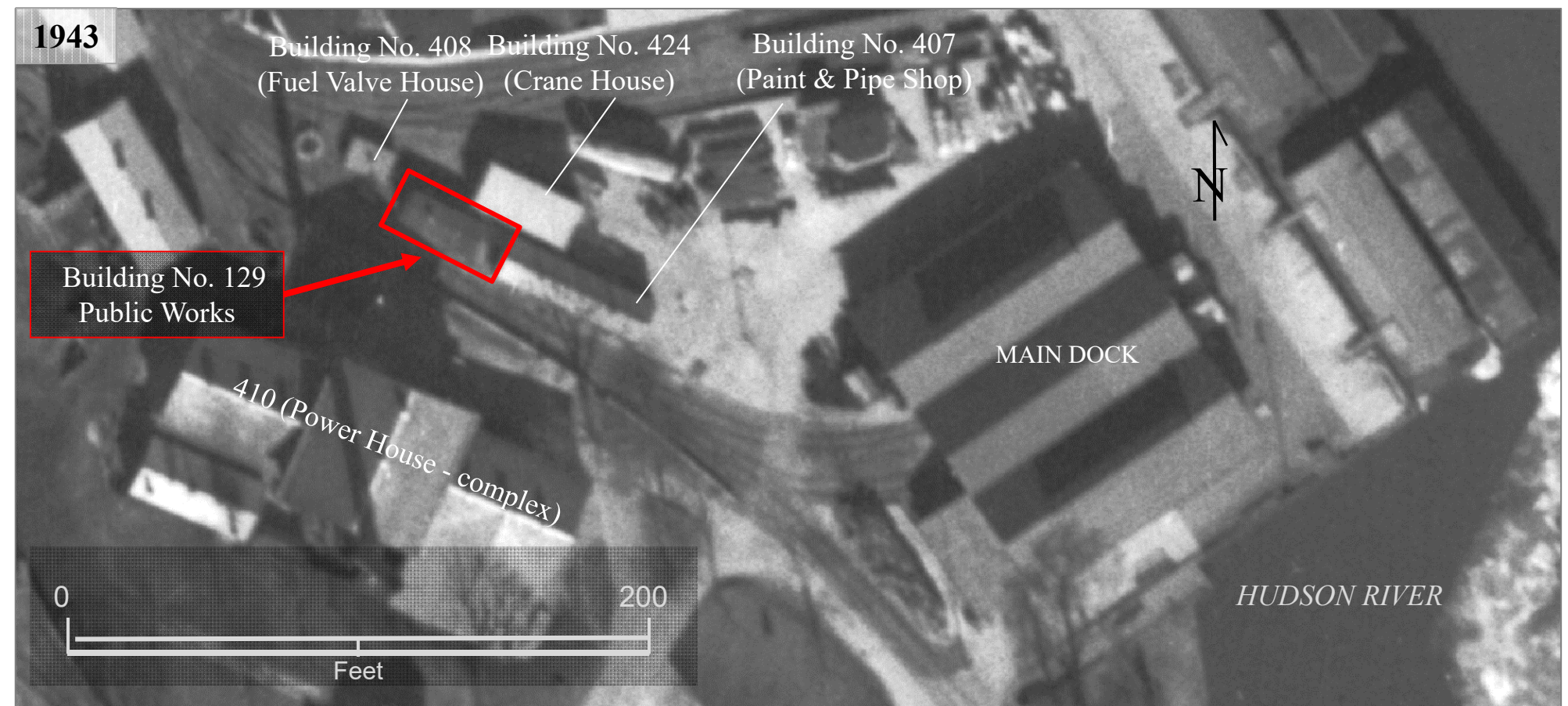
LOCATION DIAGRAM



1947Jun30\_NARA-CP\_RG291\_E7\_Bx205\_Layout\_NAD\_Iona\_Island.pdf



1948Jun18\_NARA2\_RG80\_396119\_NAD\_Iona\_Isle.tif



1943jan01\_NARA-CP\_RG373\_fr1V06\_Iona.tif

1. 1944Mar07\_NARA-CP\_RG80\_221153\_NAD\_Iona\_Island.tif, 1946Mar13\_NARA-CP\_RG373\_Fr327\_NAD\_Iona\_Island.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

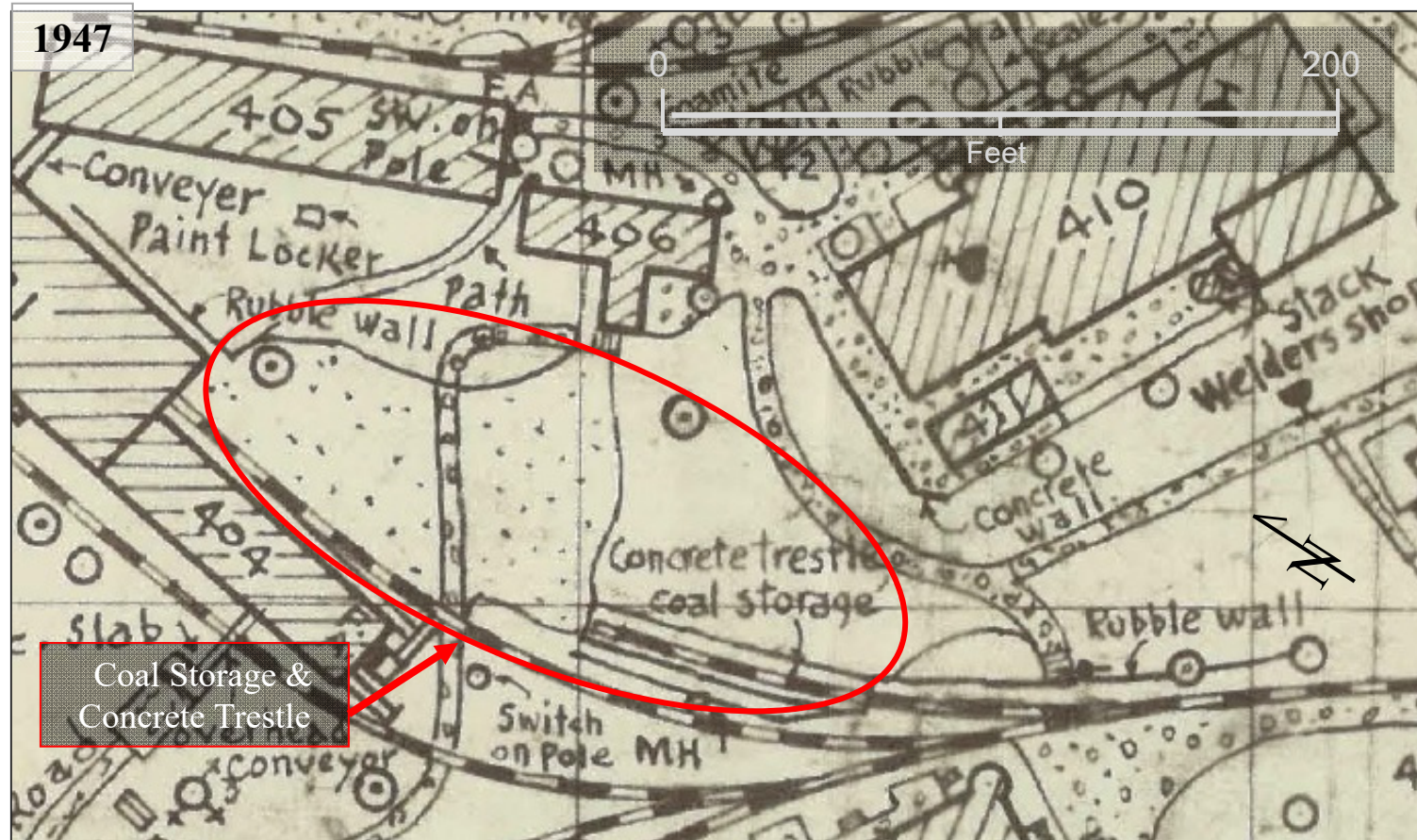
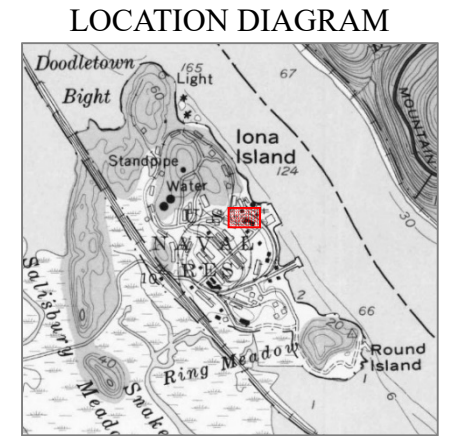
## COAL STORAGE AREA IN THE VICINITY OF BUILDINGS 404, 406, & 411



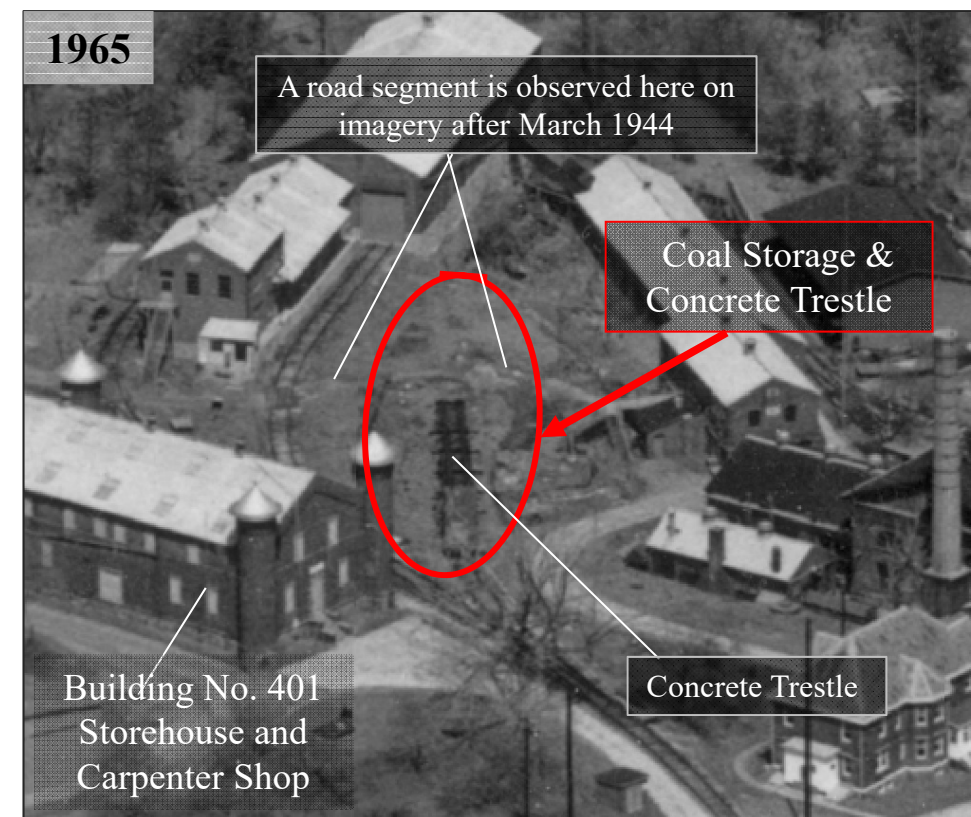
1931aug06\_NARA-CP\_RG80\_466379\_Iona\_o.tif



1944mar07\_NARA-CP\_RG80\_221153\_Iona\_o.tif



1947Jun30\_NARA-CP\_RG291\_E7\_Bx205\_Layout\_NAD\_Iona\_Island.pdf



1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## COAL STORAGE AREA IN THE VICINITY OF BUILDINGS 116 & 210

PART 1 OF 2



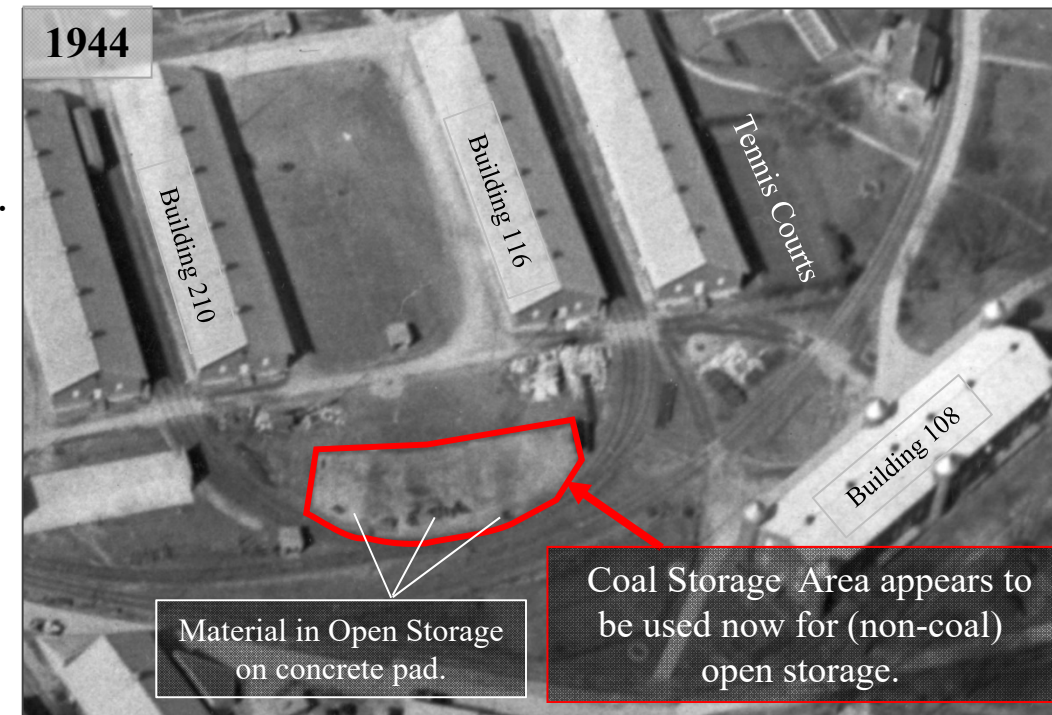
This location may be the ‘Coal Storage Area’ (cited by official memo – (see reference below) where the concrete coal storage site was used in the 1940s to store “major caliber projectiles” in open storage in lieu of coal. On 1944 aerial photography (see upper-right), ordnance material is observed, not piles of coal.

Textual source:

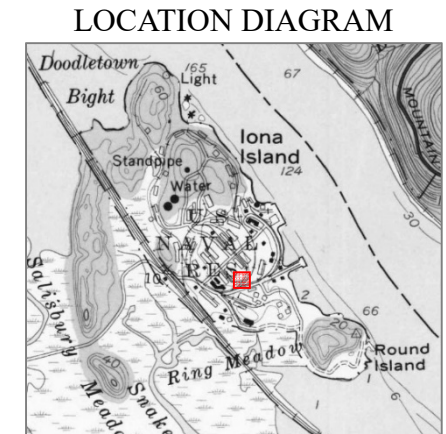
1942Oct12\_PwrPlnt\_Oil\_to\_Coal\_NARA-CP\_RG74\_E25-J\_Bx558\_NAD\_Iona\_Island.pdf



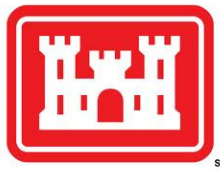
1931Jun30\_MAP\_NARA-CP\_RG71\_layout\_Iona.pdf



1944mar07\_NARA-CP\_RG80\_221153\_Iona\_o.tif



1931aug06\_NARA-CP\_RG80\_466379\_Iona\_o.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

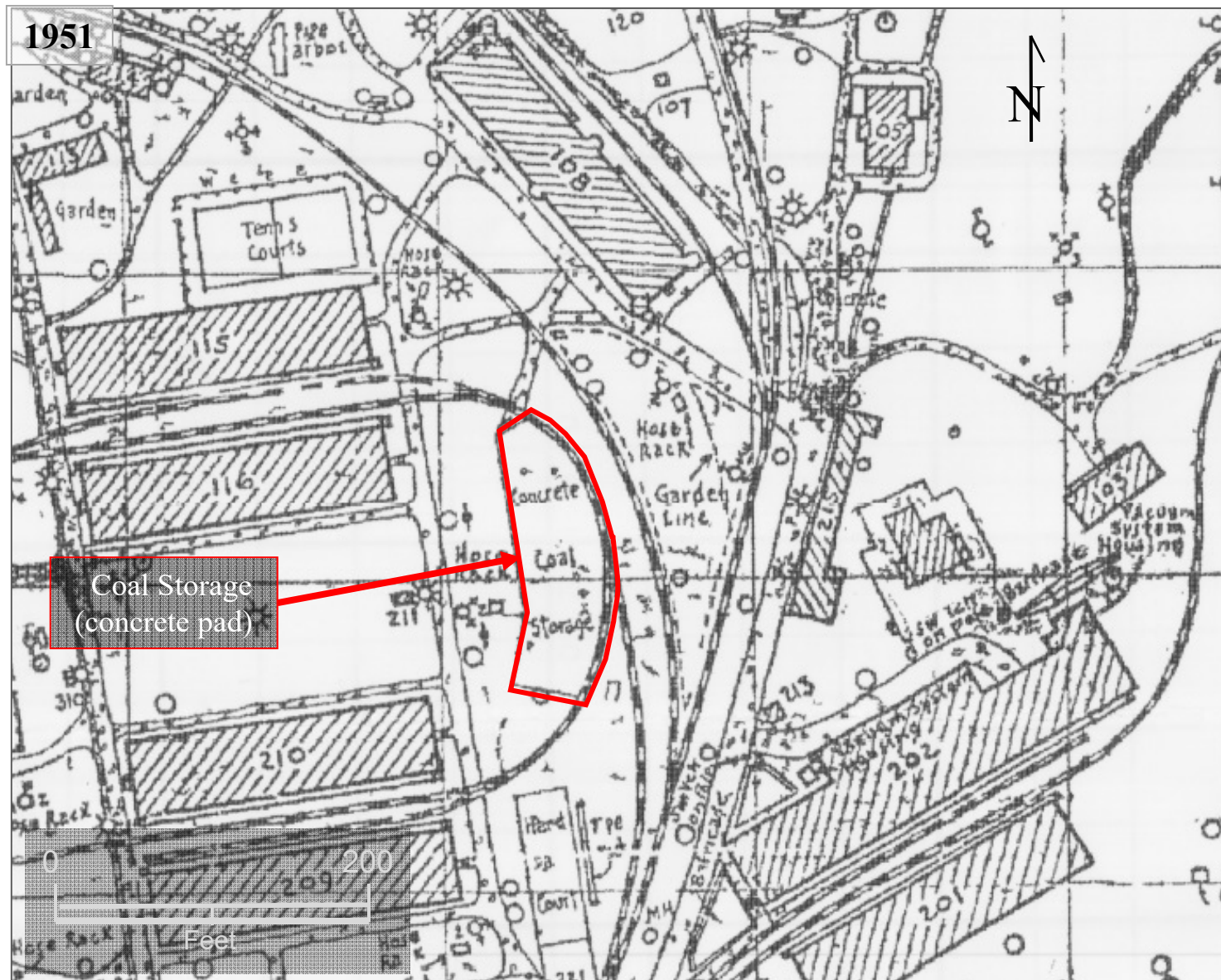
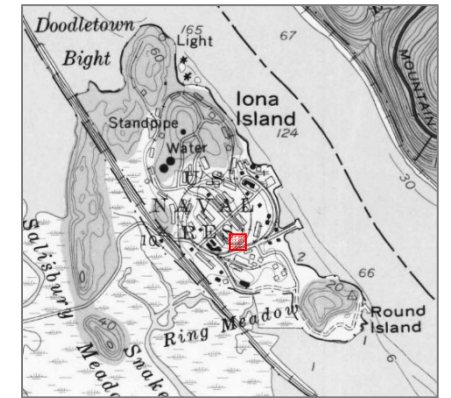
## COAL STORAGE AREA IN THE VICINITY OF BUILDINGS 116 & 210

PART 2 OF 2

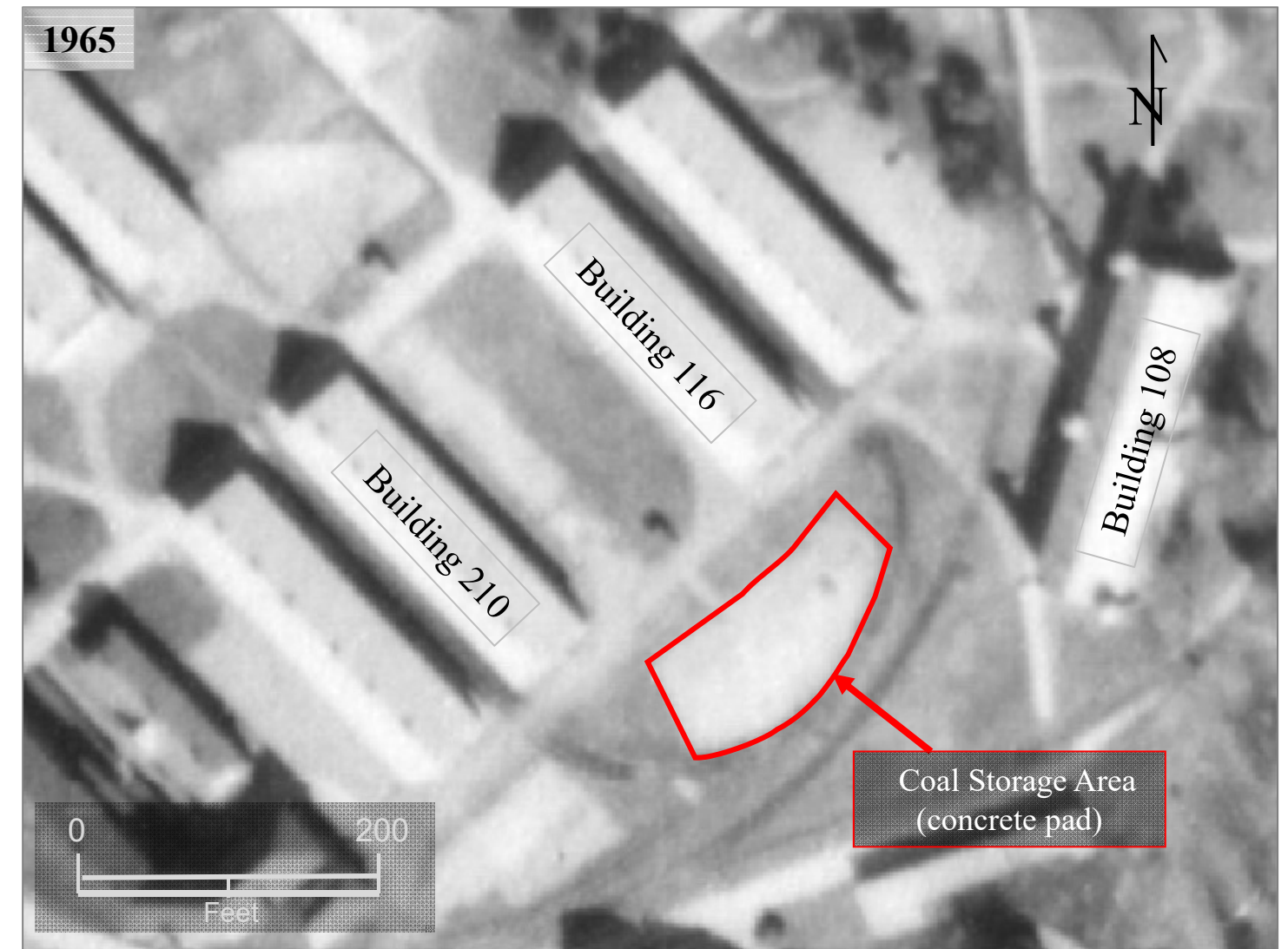


In 1965 (see lower-right), the concrete storage pad that was utilized to hold piles of coal & ordnance material in open storage is still intact.

LOCATION DIAGRAM



1951Jun30\_corrected1947\_MAP\_layout\_Iona.pdf



1965nov10\_EPZ\_1GG\_fr32\_Iona.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## MAIN DOCK (NO. 1 – DEPOT DOCK)

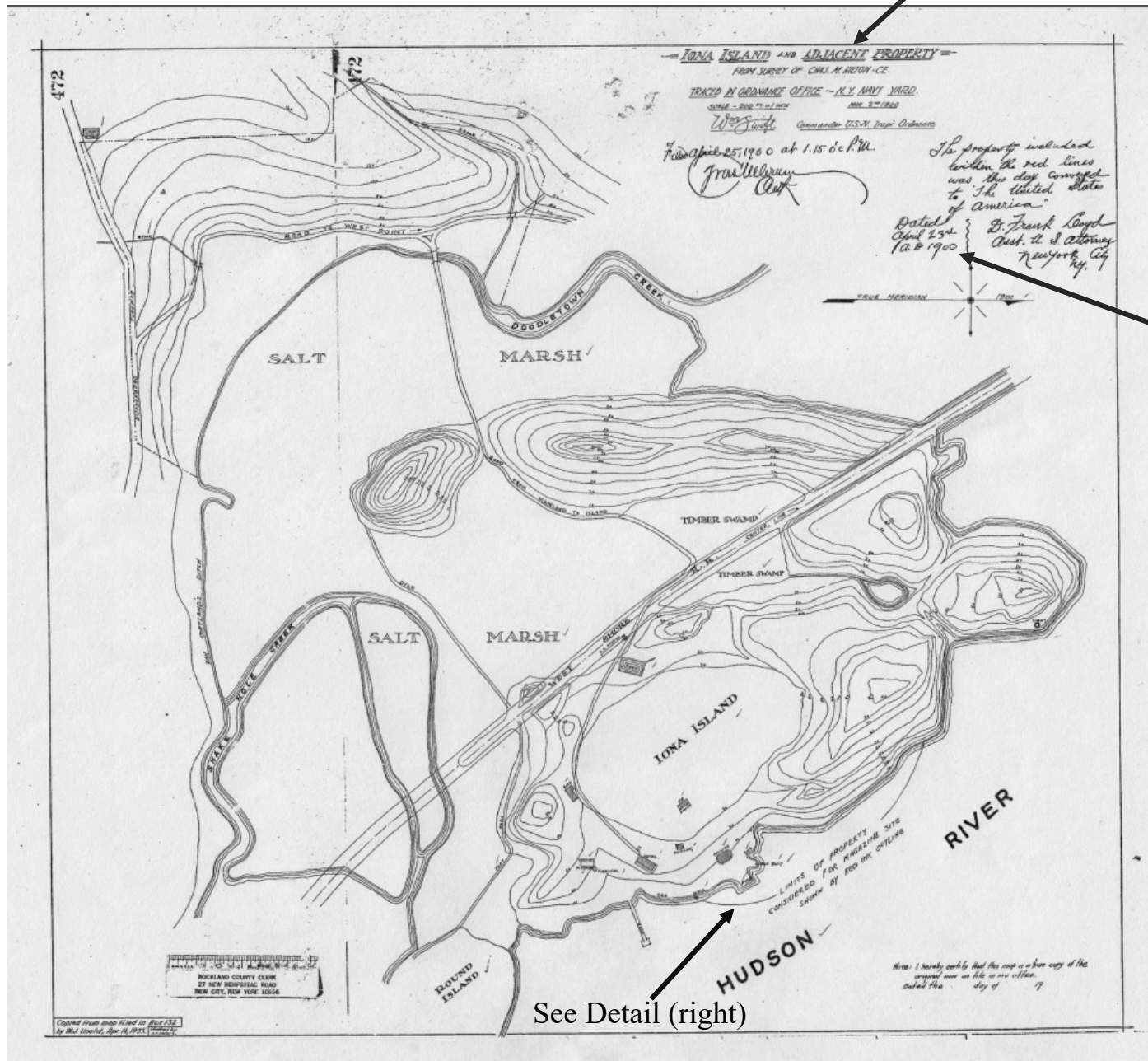
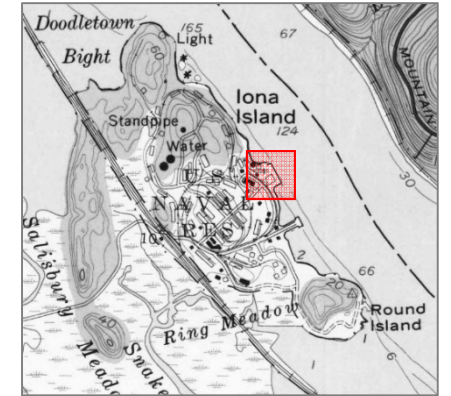
PART 1 OF 8



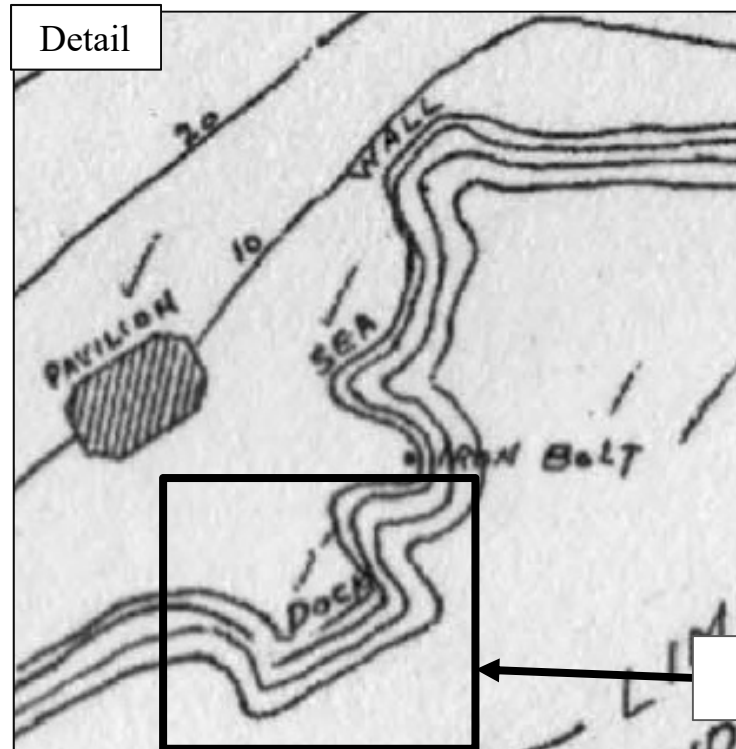
1900

*“Iona Island and Adjacent Property from survey by Chas. M. Hilton – C.E. Traced in Ordnance Office – N.Y. Navy Yard.”*

LOCATION DIAGRAM



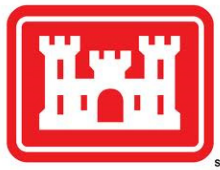
*“Dated April 23<sup>rd</sup> 1900.”*



Main Dock

Iona Island is land-surveyed in April of 1900 by the U.S. Navy.

The Main Dock, which is identified in the April 1900 survey, dates back to the days when the island was open as a resort. Buildings and structures identified near the Main Dock, for example, include Pavilion and Carousel (see map – far left).



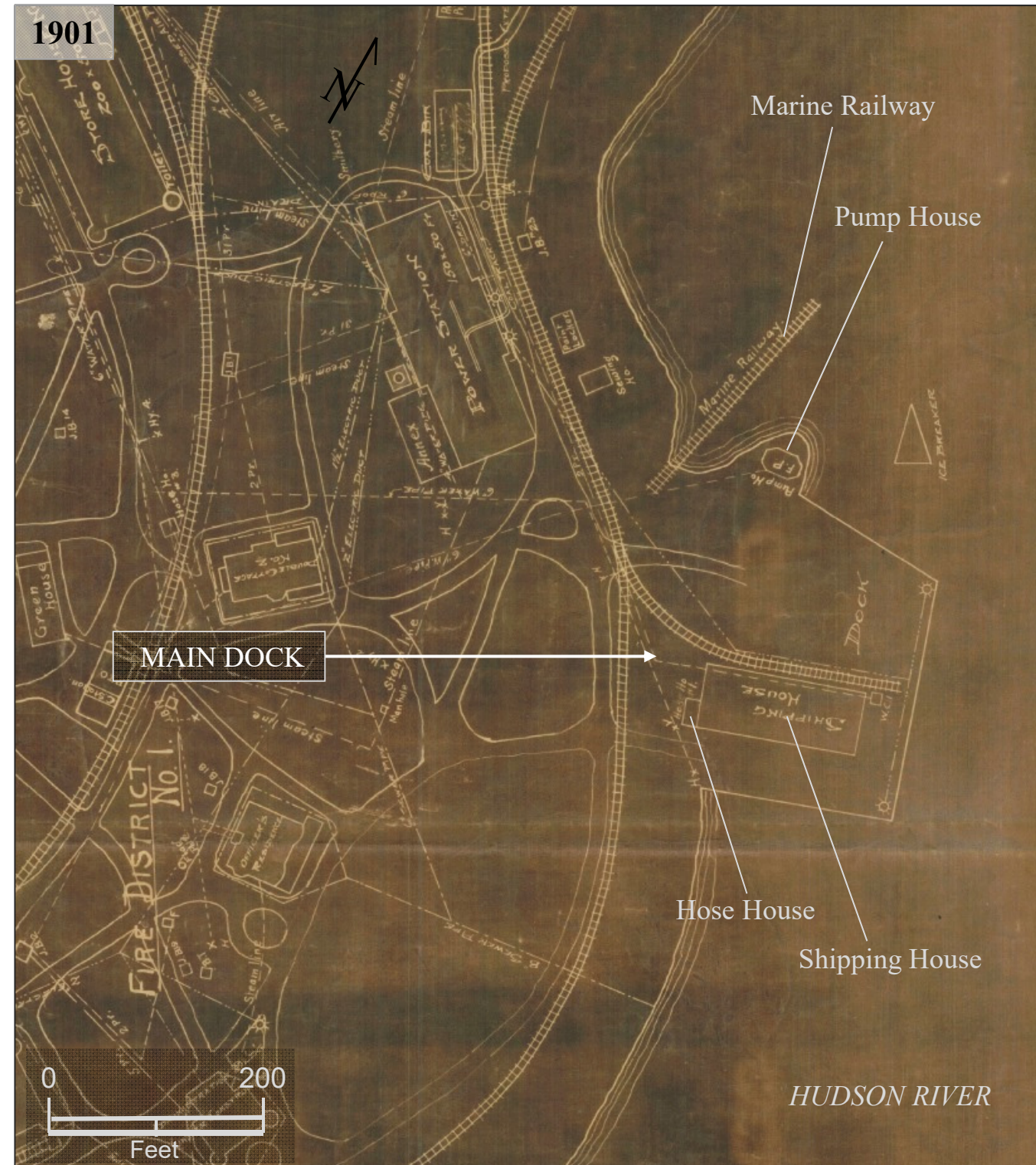
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## MAIN DOCK (NO. 1 – DEPOT DOCK)

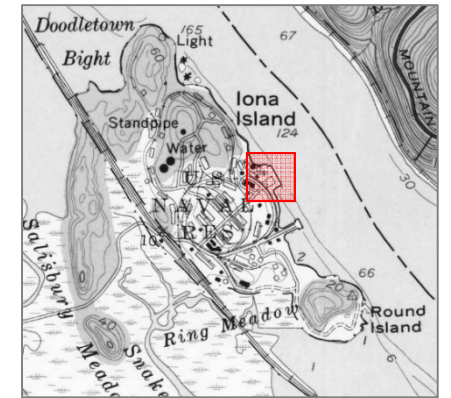
PART 2 OF 8



1901



LOCATION DIAGRAM



This map is the first detailed look at the Main Dock (constructed to Navy specifications) on an official U.S. Navy drawing.

In 1901 there is only one Shipping House operational on the dock. A Marine Railway (located just north of the Main Dock) is also noted.

1901Oct01\_MAP\_NARA-CP\_RG71\_layout\_Iona.pdf



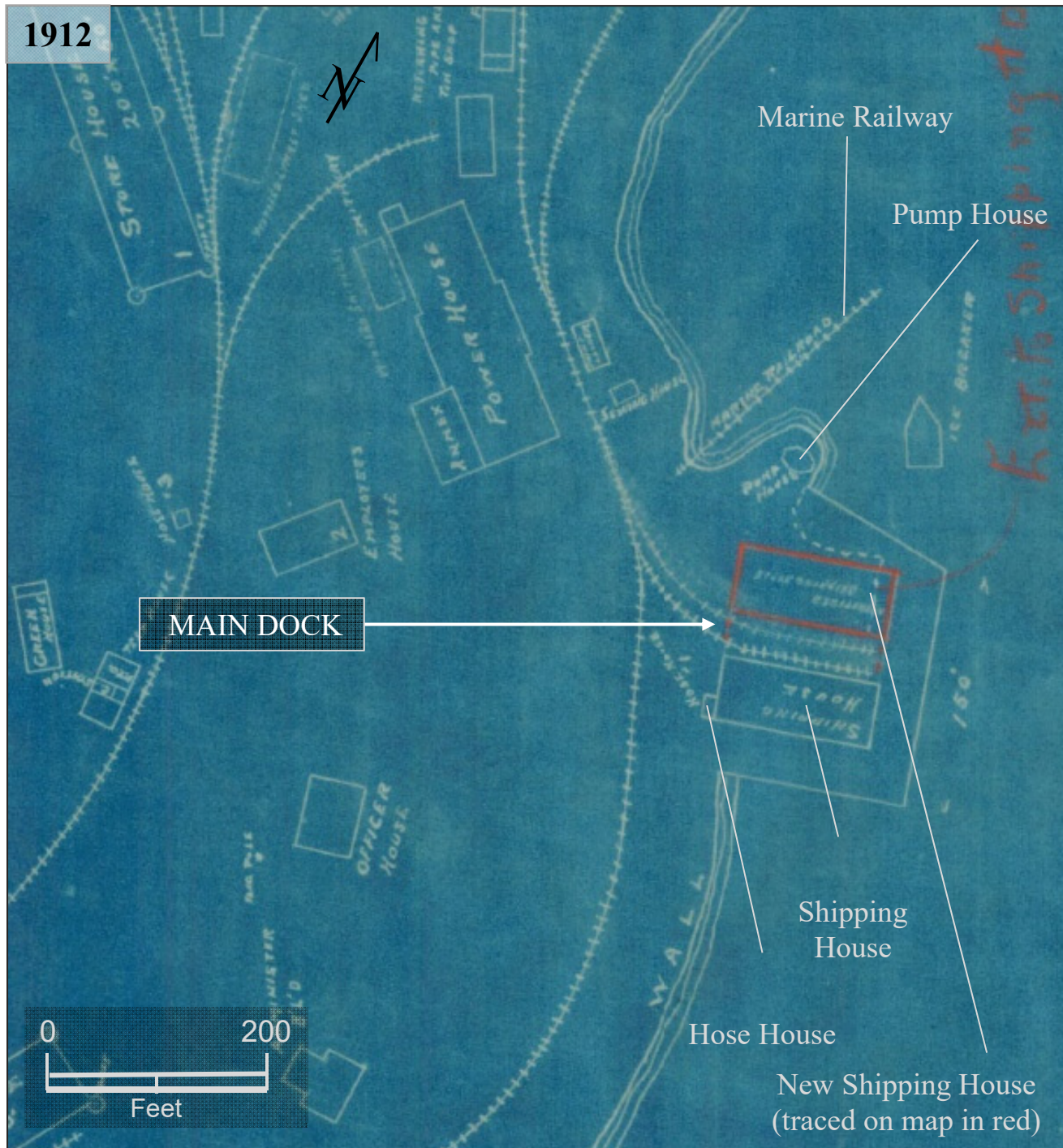
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## MAIN DOCK (NO. 1 – DEPOT DOCK)

PART 3 OF 8



1912 & 1914

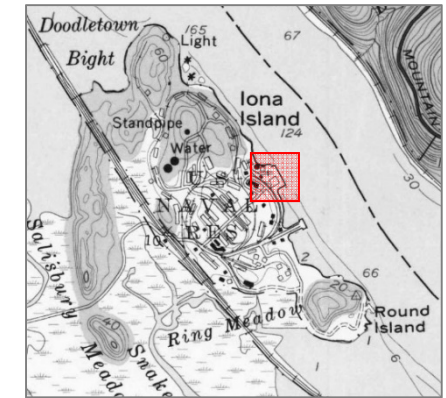


1912retraced\_MAP\_NARA-CP\_RG71\_layout\_Iona.pdf



1914Jul01\_MAP\_NARA-CP\_RG71\_layout\_Iona.pdf

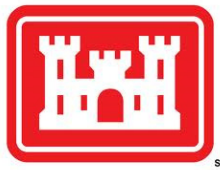
### LOCATION DIAGRAM



A new Shipping House is added around 1912.

No other major changes to the Main Dock are identified from 1912 to 1914.

1. 1917\_MAP\_NARA-CP\_RG71\_Proposed\_Improvements\_Iona.pdf



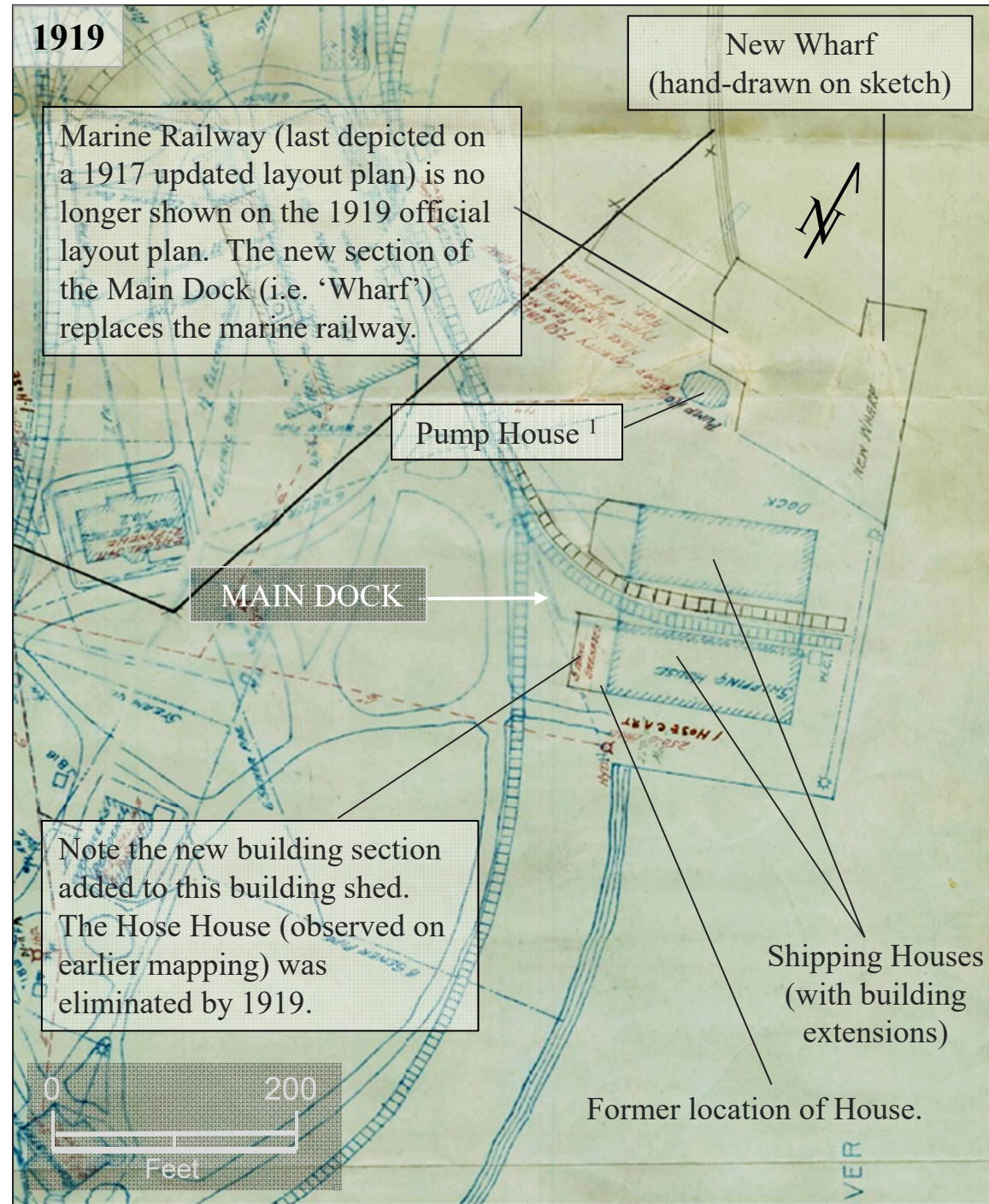
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## MAIN DOCK (NO. 1 – DEPOT DOCK)

PART 4 OF 8



1919 & 1920

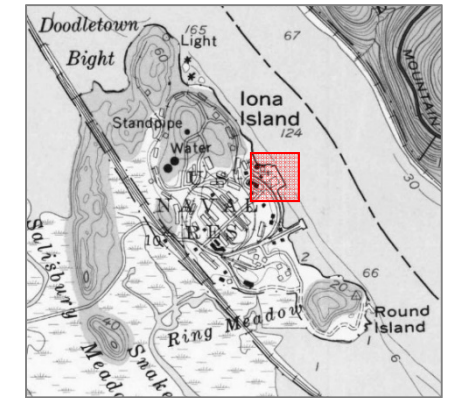


1919Mar\_updated1914\_MAP\_NARA-CP\_RG71\_layout\_Iona.pdf



1920\_MAP\_NARA-CP\_RG71\_Heating\_System\_Iona.pdf

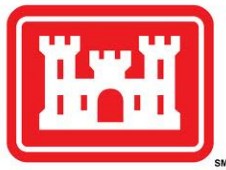
### LOCATION DIAGRAM



New construction projects are observed on a 1919 sketch of NAD Iona Island (see far left). One of the two Shipping Houses is extended (eliminating a Hose House), a Marine Railway is removed, and a new Wharf (dock section) is added to the north side of the Main Dock.

In 1920, railway lines are extended onto the new Wharf (see left). Heating system lines are sketched in yellow.

1. Pump capacity = 750 gal/min. Duplex steam pump is 14 years old (inked in red on 1919 map source).



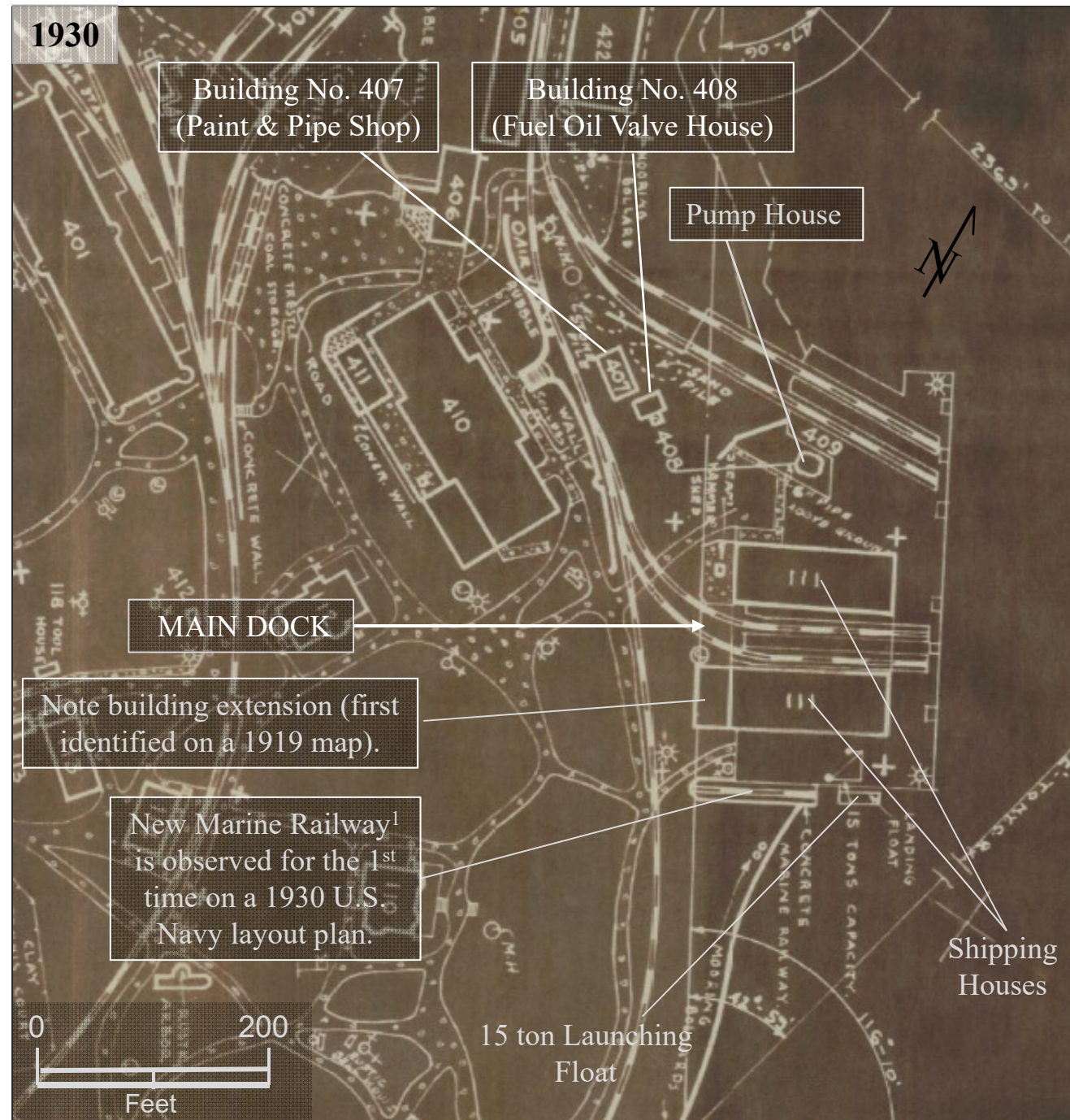
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## MAIN DOCK (NO. 1 – DEPOT DOCK)

PART 5 OF 8

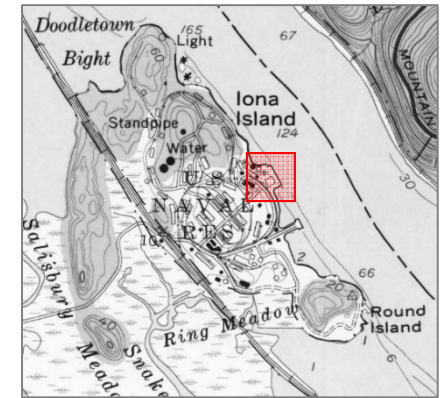


1930



1930May01\_rev1928Dec31\_MAP\_NARA-CP\_RG71\_layout\_Iona.pdf

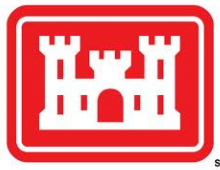
### LOCATION DIAGRAM



By 1930 two new buildings are constructed in the Main Dock area: Building No. 407 (Paint & Pipe Shop) and Building No. 408 (Fuel Oil Valve House). A new Marine Railway, described in a textual source dated June 1929, is also identified on this official 1930 U.S. Navy layout plan of NAD Iona Island (see left).

*“Marine Railways: Concrete ways 11’ x 82’ fitted with 35-foot cradle and standard gauge railroad track. Capacity, two 40’ steam launches. Launches are hoisted in on ways, with stiff-leg derrick operated by compressed air locomotives.”<sup>1</sup>*

1. Source 1929Jun30\_NARA-NY\_RG181\_Descr\_Rpt\_of\_Depot\_Iona\_Island.pdf



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

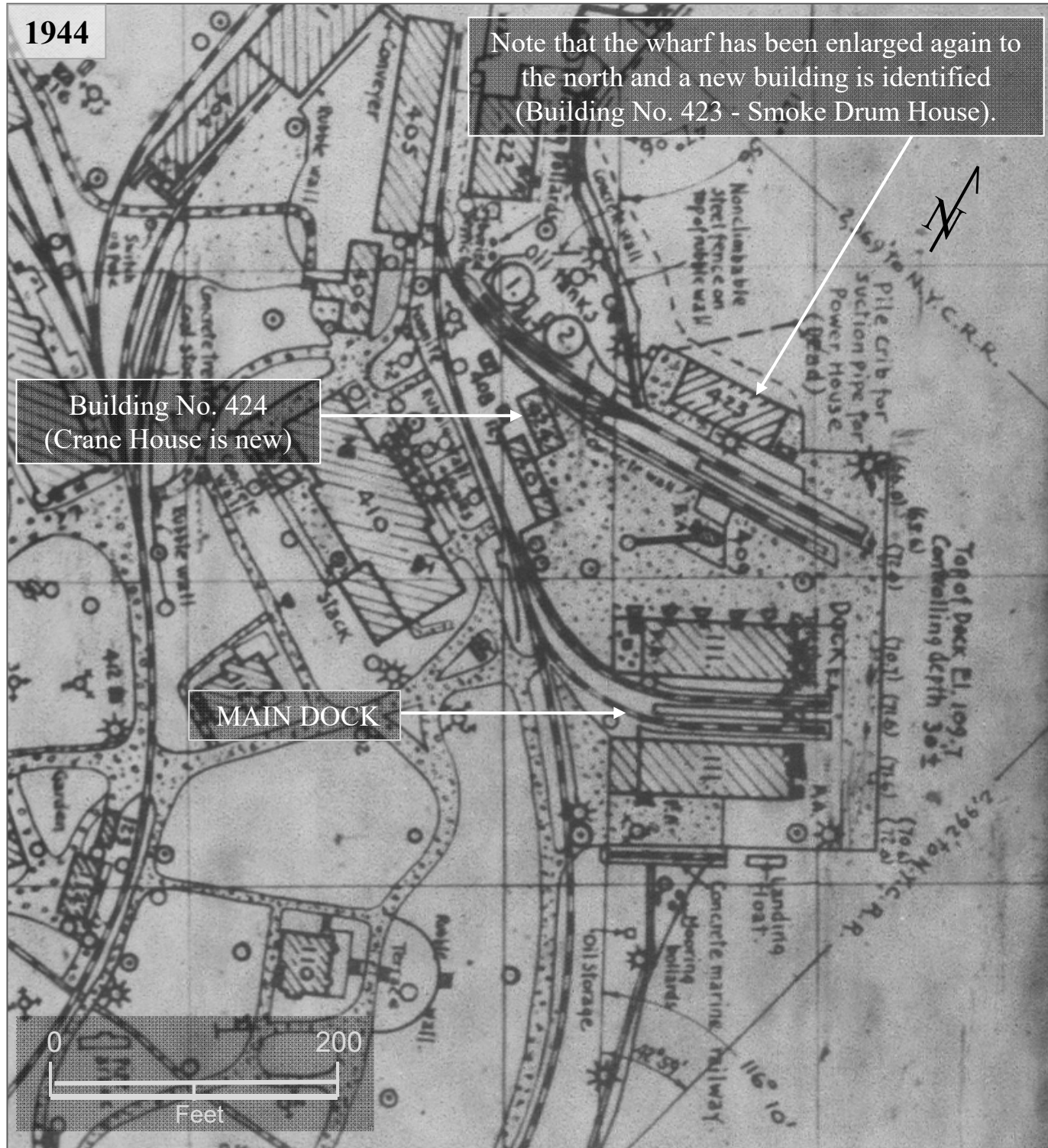
## MAIN DOCK (NO. 1 – DEPOT DOCK)

PART 6 OF 8



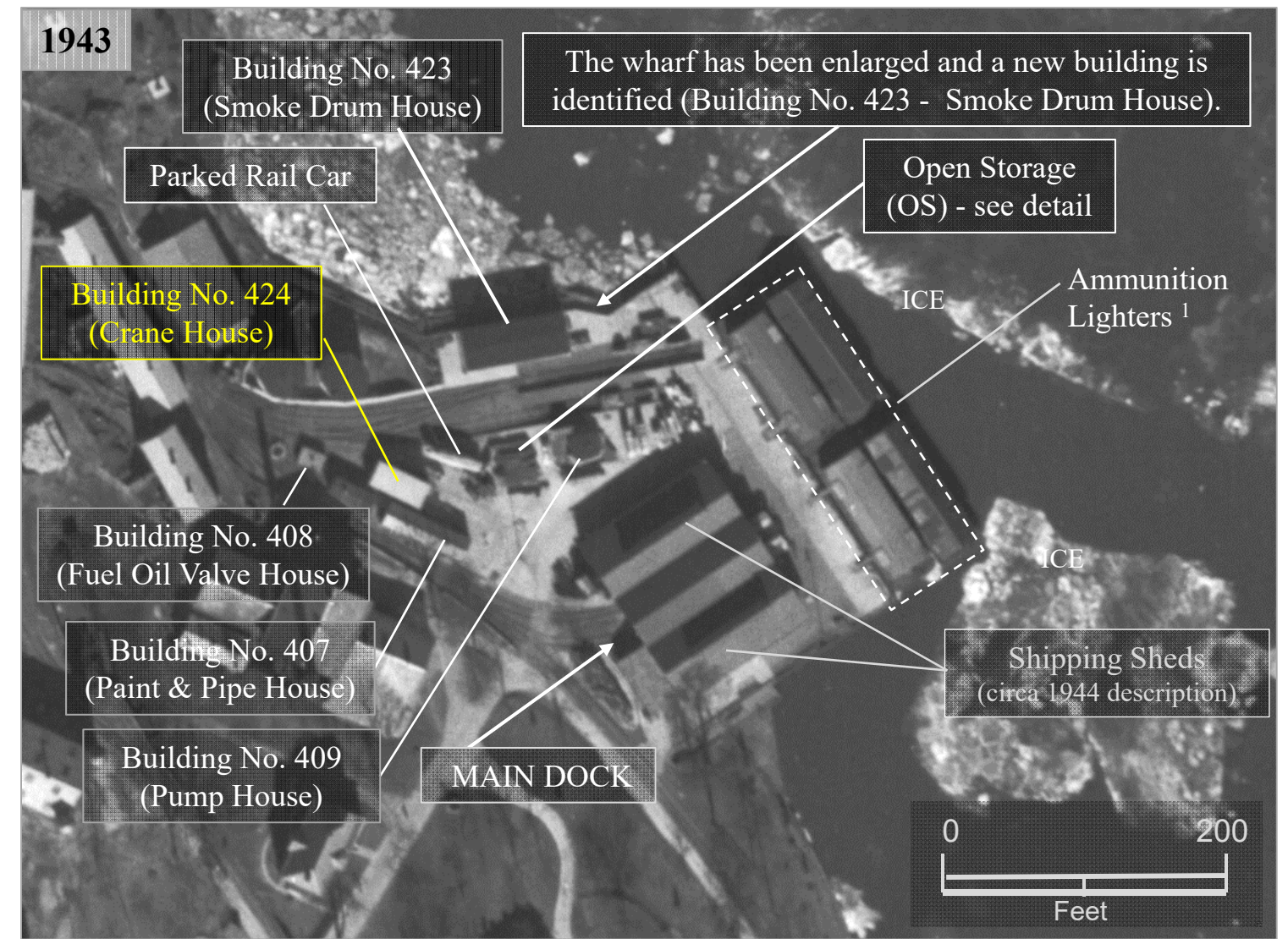
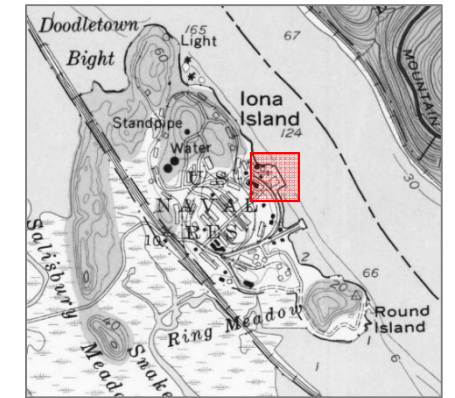
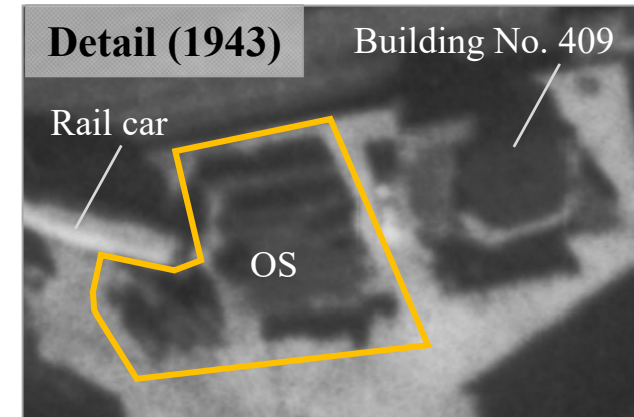
### 1944 MAP & 1943 AERIAL PHOTO

#### LOCATION DIAGRAM



1944JUN30corrected\_1943\_NAVFEC\_Reel332\_Fr46a\_NAD\_Iona\_isle.jpg

One new building (Crane House) is identified on 1943 aerial photography (see below – shown in yellow).



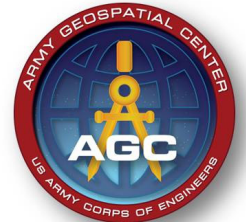
1943jan01\_NARA-CP\_RG373\_fr1V06\_Iona.tif

1. Motor-less barges





# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



## MAIN DOCK (NO. 1 – DEPOT DOCK)

PART 8 OF 8

### 1965 MAP & 1965 AERIAL PHOTO

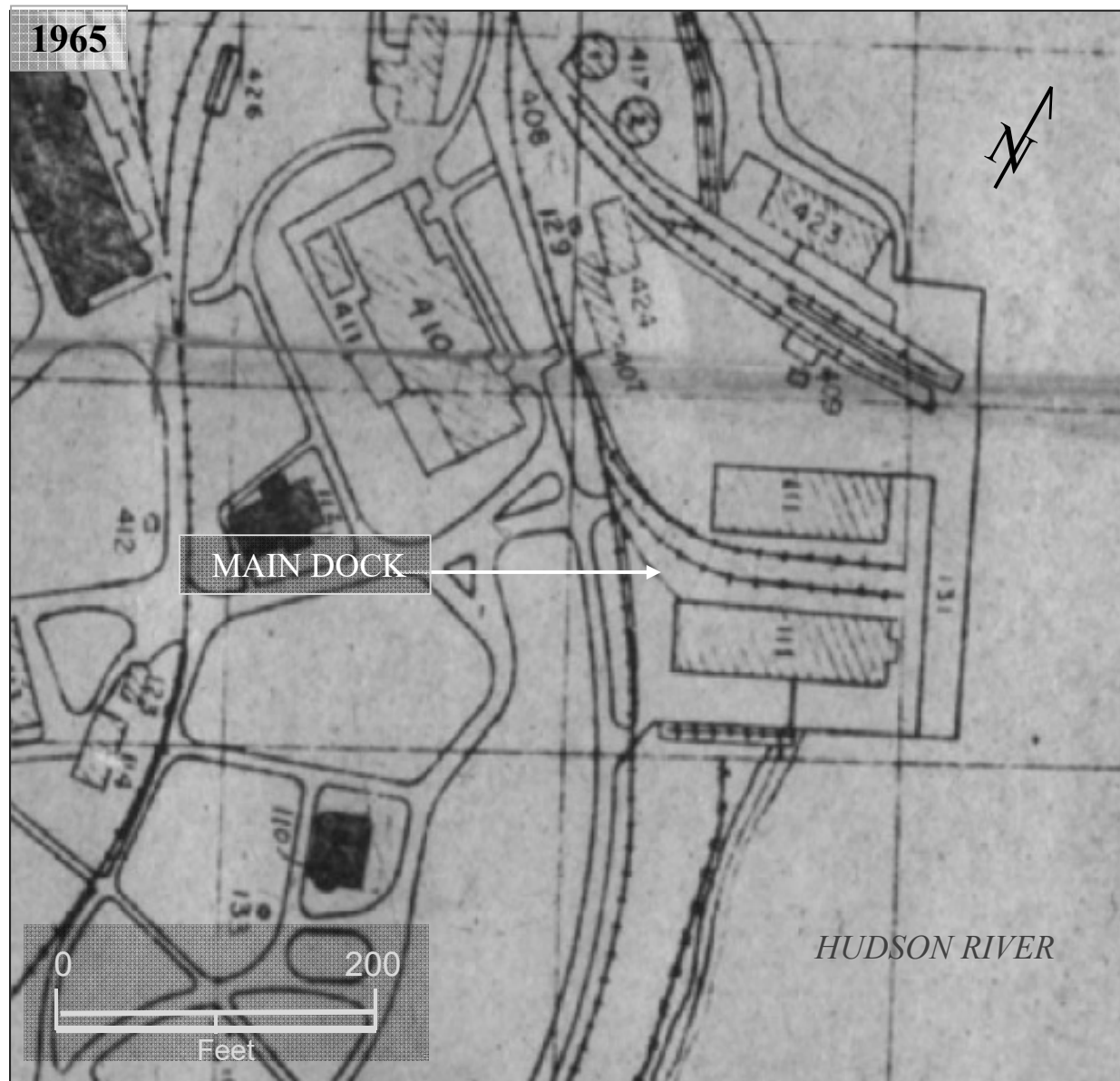
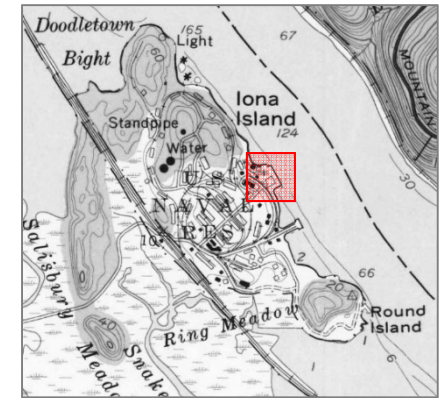
1965 map and aerial photo views of the former NAD Iona Island Main Dock Area. 1965 is the last time the Main Dock is observed (on available aerial photography or satellite imagery).

The main dock has a three hundred ninety-eight (398) foot frontage with the controlling depth of thirty (30) feet. It is serviced by four (4) railroad loading sidings. The dock is of a concrete structure. There are two (2) buildings on the dock, both of which are serviced by railroad and hard surfaced roads.

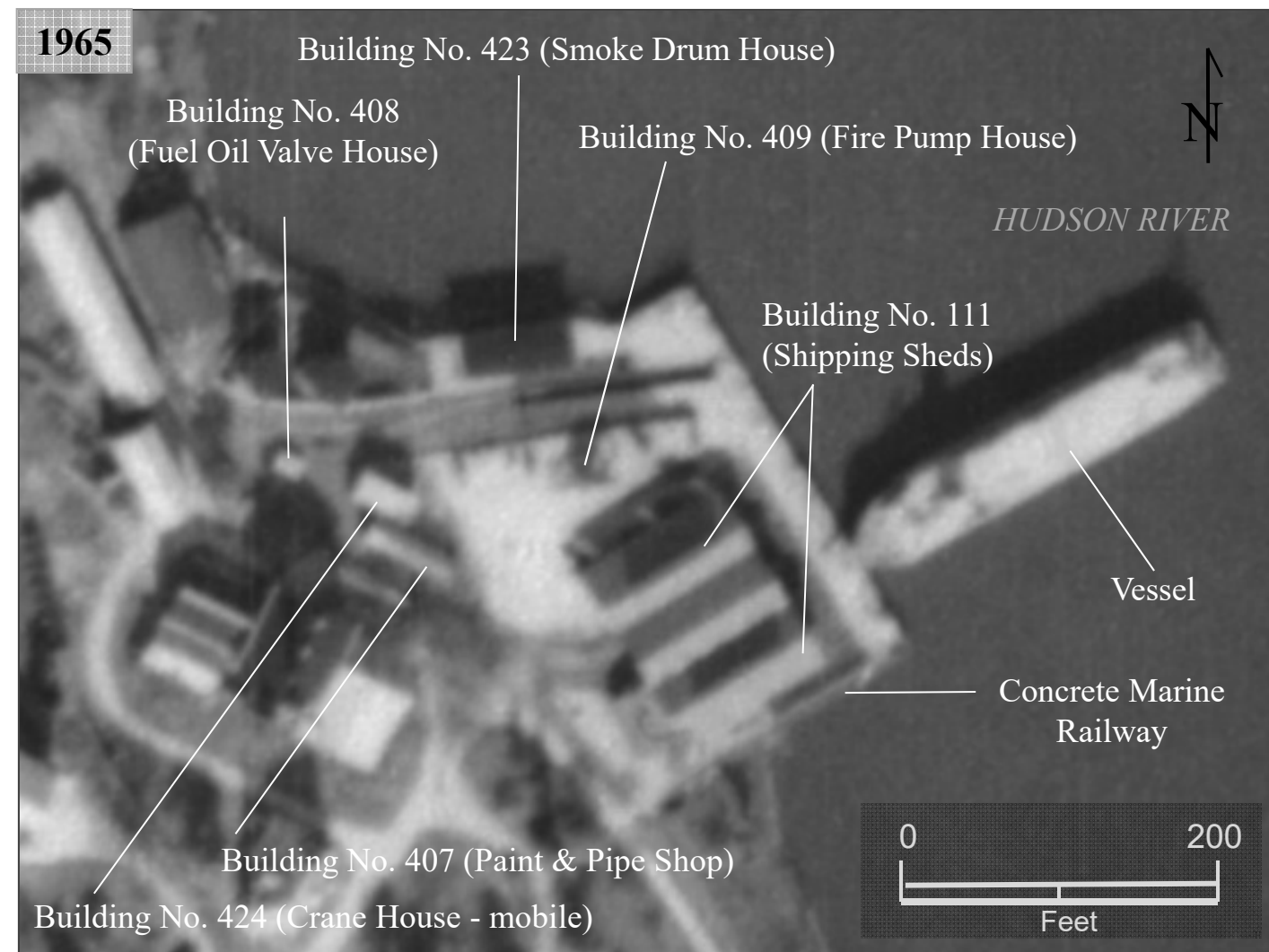
The smaller of the two buildings is 60' x 30' and has a concrete floor. The larger building is separated into two parts by two (2) railroad sidings running its entire length through the center of the building. Each enclosed side of the building is 100' x 40'. The floor load is six hundred (600) pounds per square foot. The building is of a tin structure with a wooden floor.

Textual Source:  
1948\_WASH-NAV-YRD\_Bldgs\_Descr\_in\_Detail\_NAD\_Iona\_Island.pdf

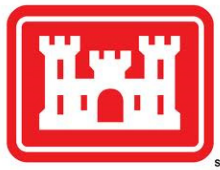
### LOCATION DIAGRAM



ND\_MAP\_NARA-CP\_RG291\_1965\_Apprais\_Layout\_Plan\_Iona.pdf



196510Nov\_Fr31\_EPZ\_1GG\_Iona\_Island.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## SOUTH DOCK (NO. 2 – DOCK)

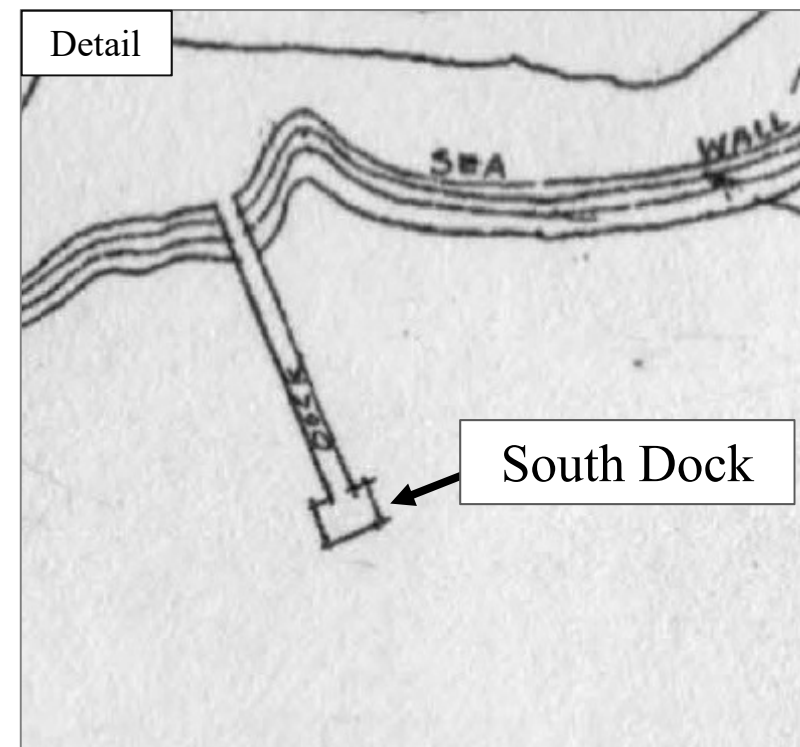
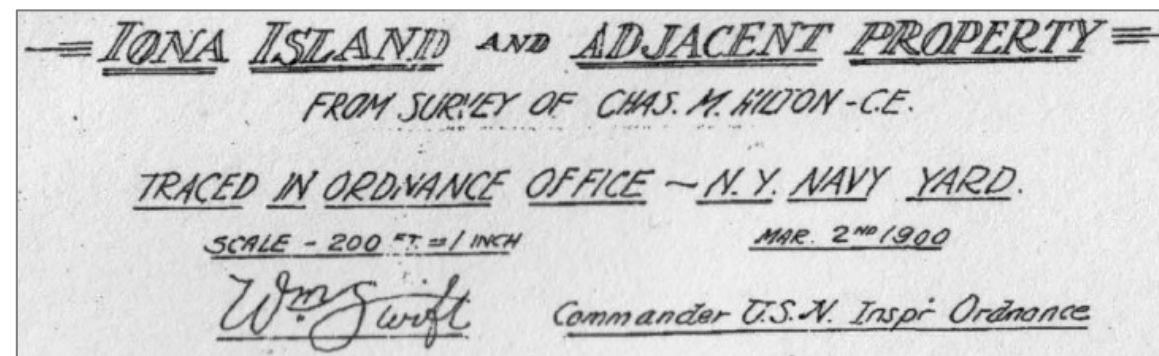
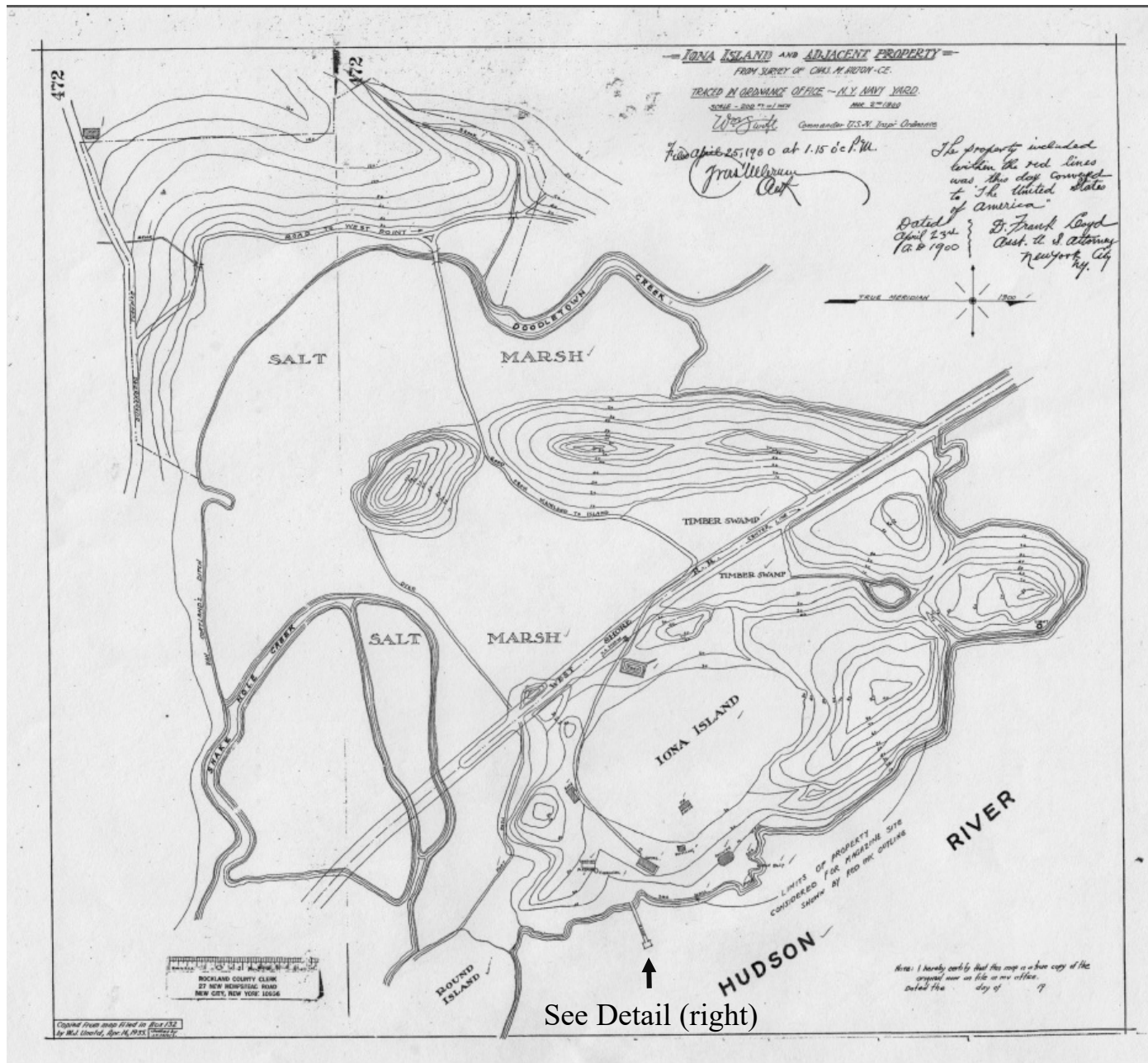
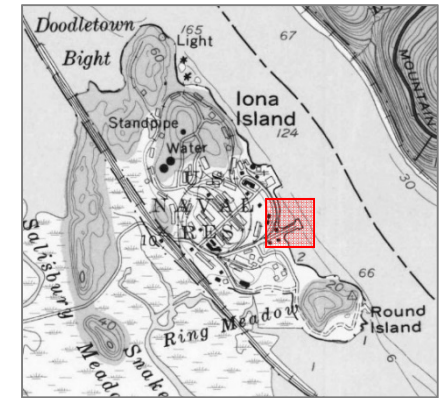
PART 1 OF 7



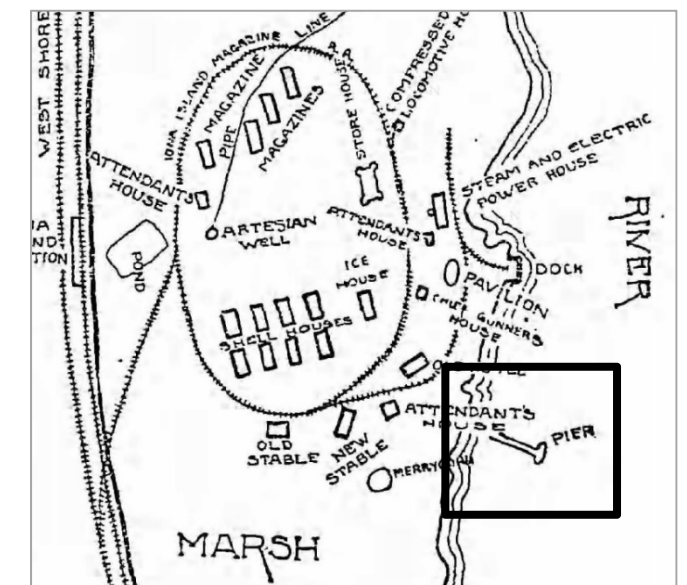
1900

South Dock on Iona Island dates back to pre-Navy occupancy.

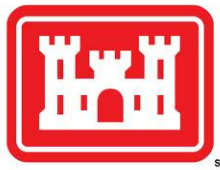
LOCATION DIAGRAM



This dock has been identified on another historical map as a 'Pier' – Map of The United States Magazine, Iona Island dated November 1990, Brooklyn Daily Eagle (see below).



1900Mar02\_Rockland\_Co\_Archives\_USN\_Survey\_NAD\_Iona\_Island.pdf



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## SOUTH DOCK (NO. 2 – DOCK)

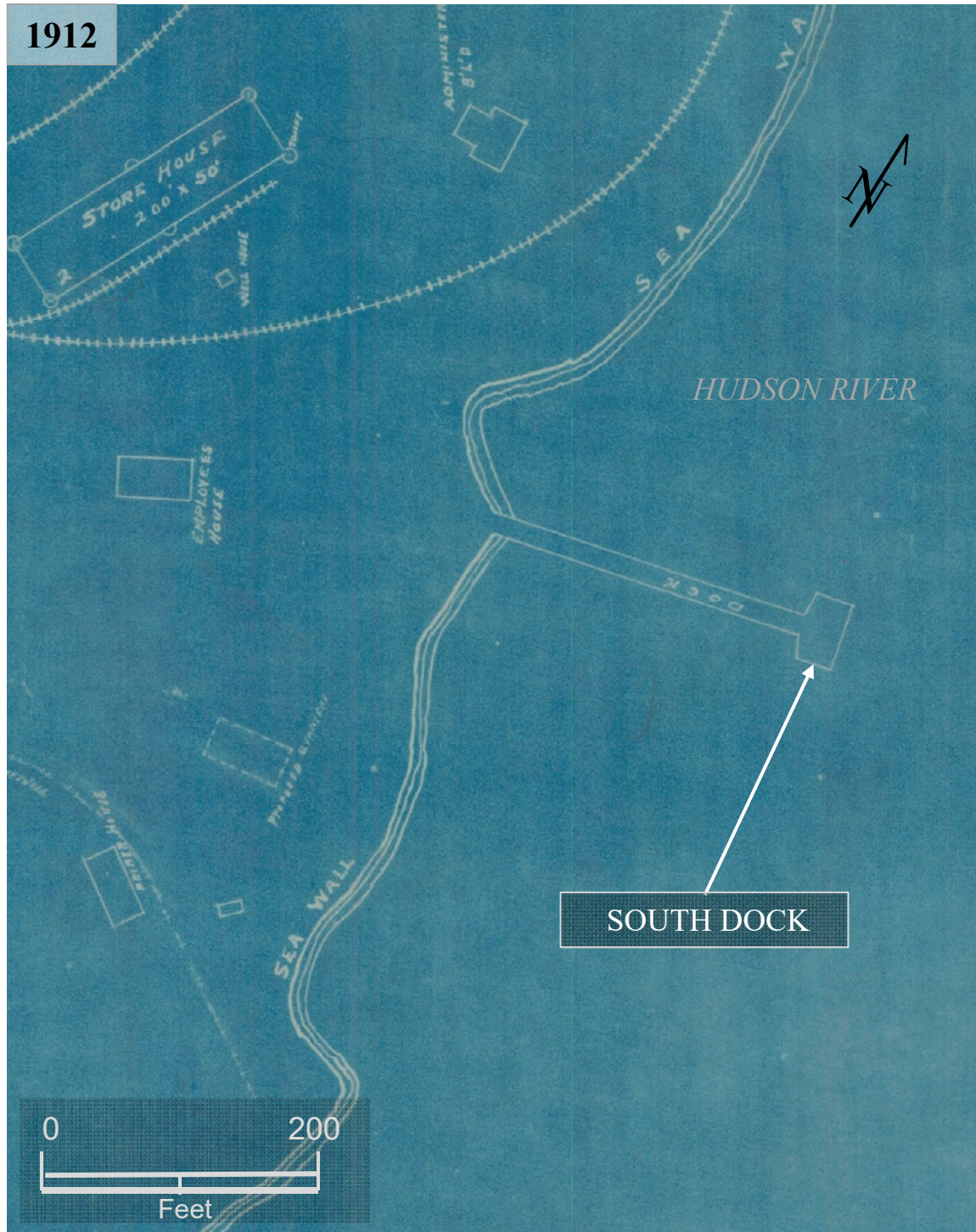
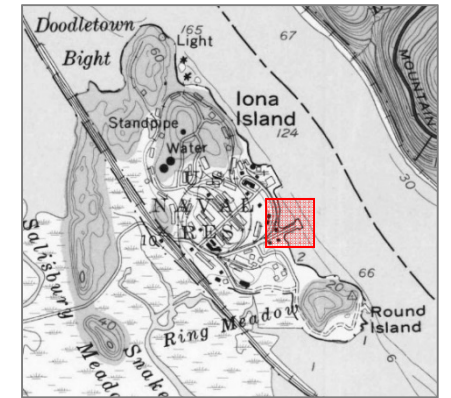
PART 2 OF 7



1912 & 1920

From 1900, no major changes to the South Dock are reportable from 1912 and 1920 mapping.

LOCATION DIAGRAM



1912retraced\_MAP\_NARA-CP\_RG71\_layout\_Iona.pdf

1920\_MAP\_NARA-CP\_RG71\_Heating\_System\_Iona.pdf



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## SOUTH DOCK (NO. 2 – DOCK)

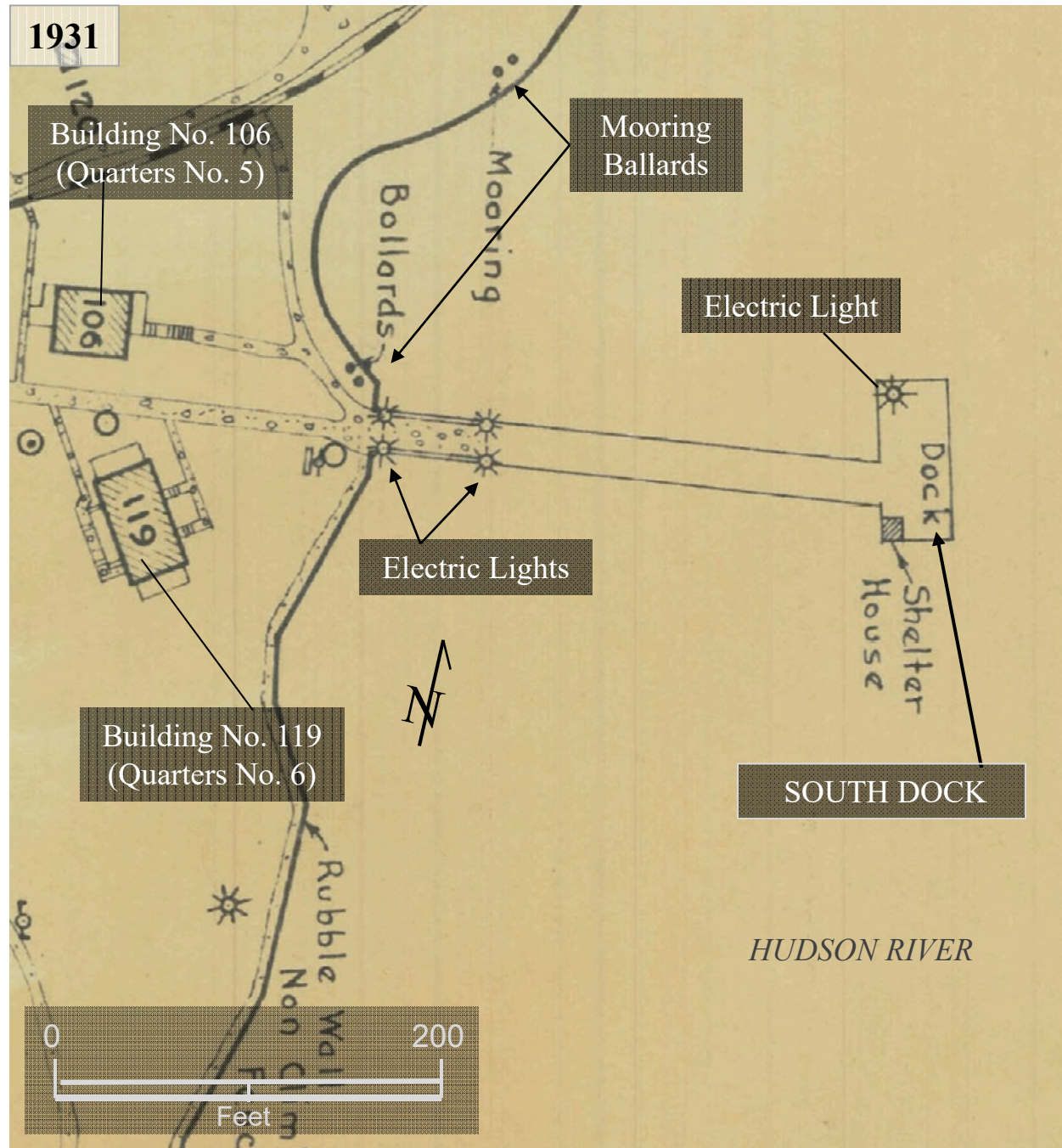
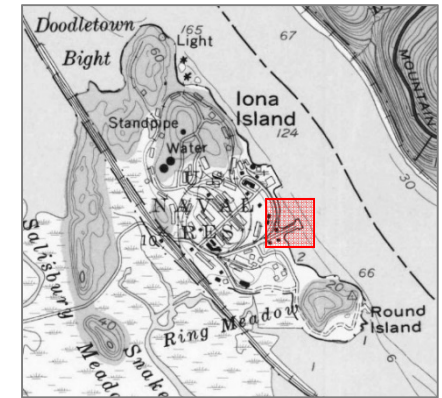
PART 3 OF 7



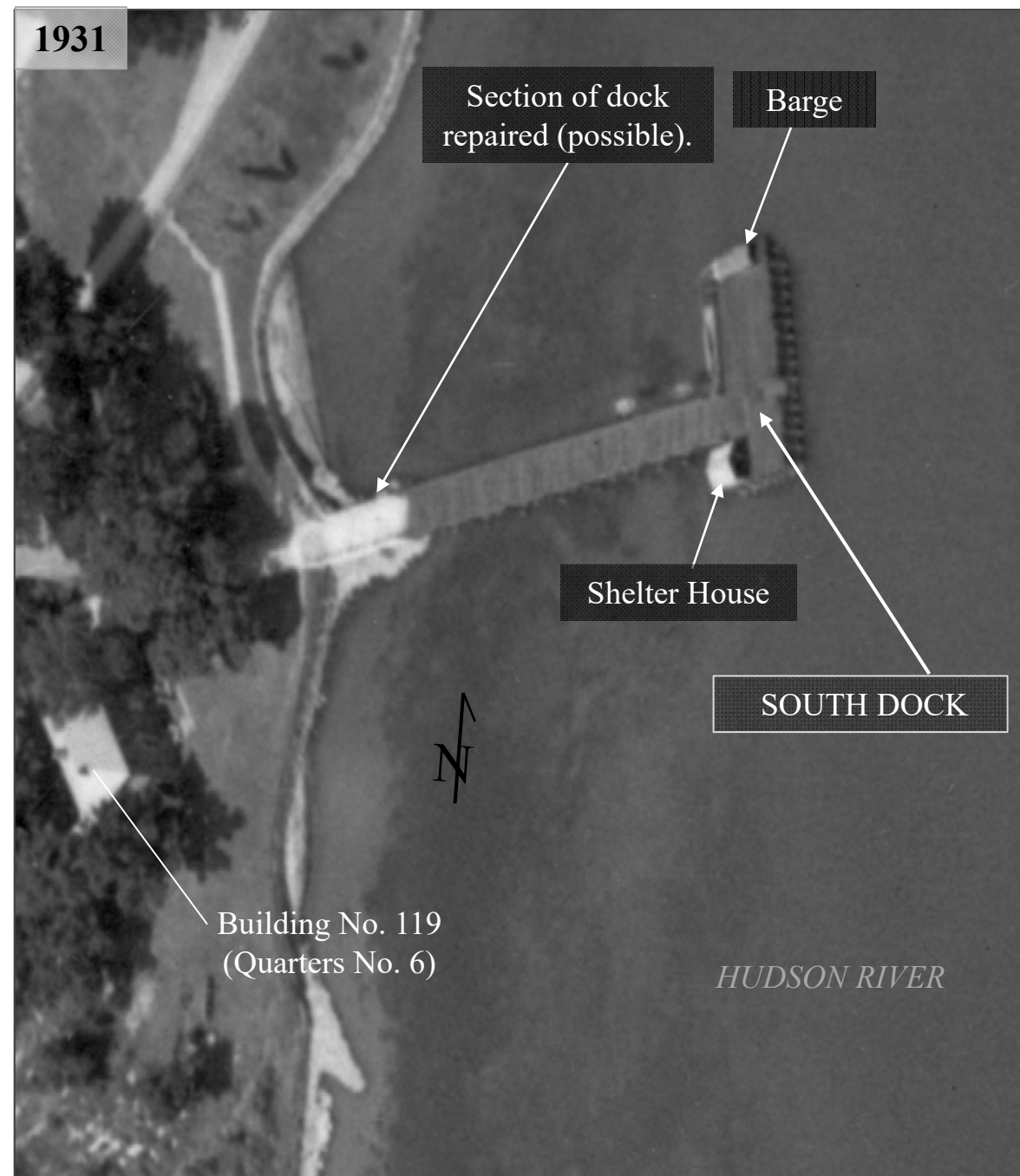
### 1931 MAP AND 1931 OBLIQUE AERIAL VIEW

Improvements to the South Dock by 1931 include electric lighting and a Shelter House.

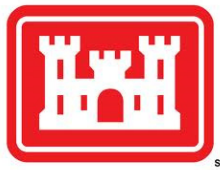
#### LOCATION DIAGRAM



1931aug06\_NARA-CP\_RG80\_466379\_Iona\_o.tif



1931aug06\_NARA-CP\_RG80\_466379\_Iona\_o.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## SOUTH DOCK (NO. 2 – DOCK)

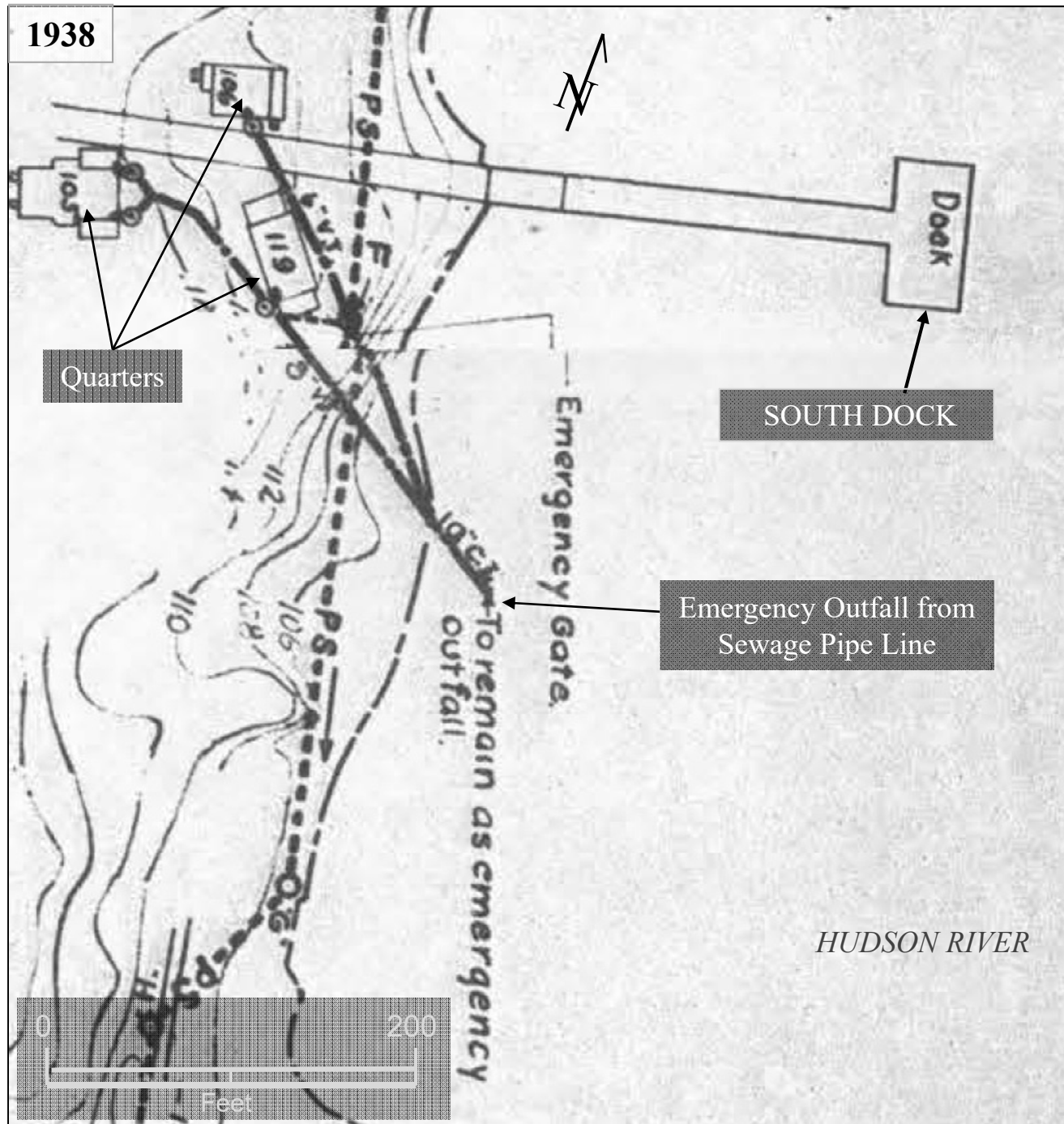
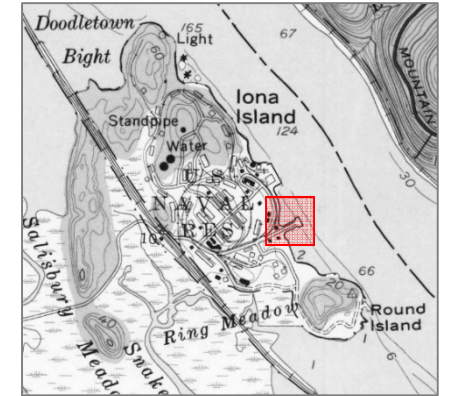
PART 4 OF 7



### 1938 MAP & 1943 AERIAL PHOTO

According to historical U.S. Navy layout plans (1934-1951), a freshwater pipeline (not shown on the 1938 map – lower left) extends from the island to the end of South Dock. See next page of this report for further details of this water pipeline.

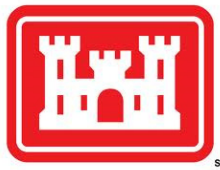
#### LOCATION DIAGRAM



The Shelter House observed in 1931 is no longer present.

1938Apr15\_MAP\_NARA-CP\_RG71\_Sewerage\_Layout\_Iona.pdf

1943jan01\_NARA-CP\_RG373\_fr1V07\_Iona.tif



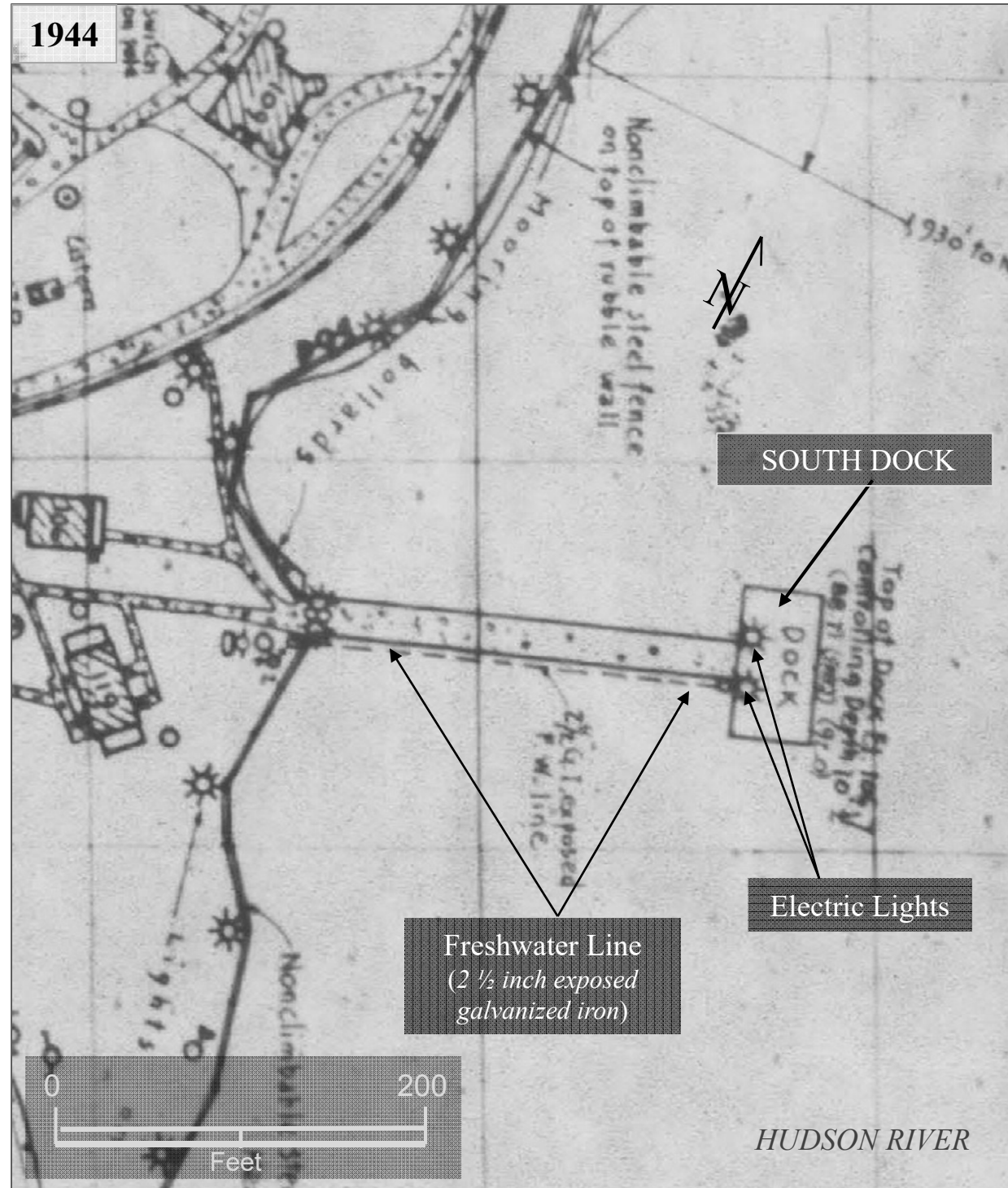
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## SOUTH DOCK (NO. 2 – DOCK)

PART 5 OF 7



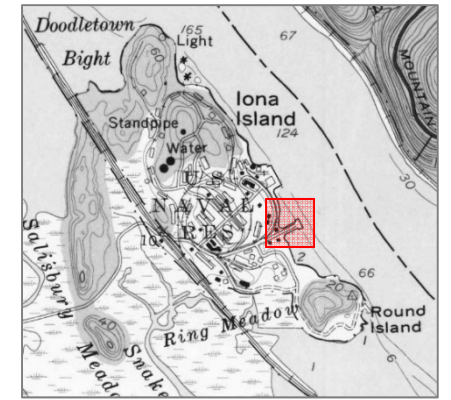
### 1944 MAP & 1944 OBLIQUE AERIAL PHOTO



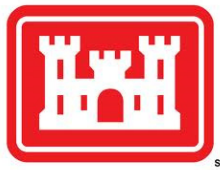
1944Jun30\_corrected1943\_MAP\_NAVFEC\_layout\_Iona.pdf

According to available historical U.S. Navy layout plans (1934-1951), a freshwater pipeline extends from the island to the end of South Dock (see map – lower left).

### LOCATION DIAGRAM



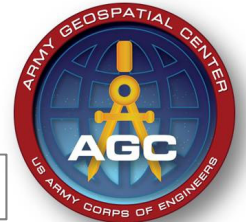
1944mar07\_NARA-CP\_RG80\_221149\_Iona\_o.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## SOUTH DOCK (NO. 2 – DOCK)

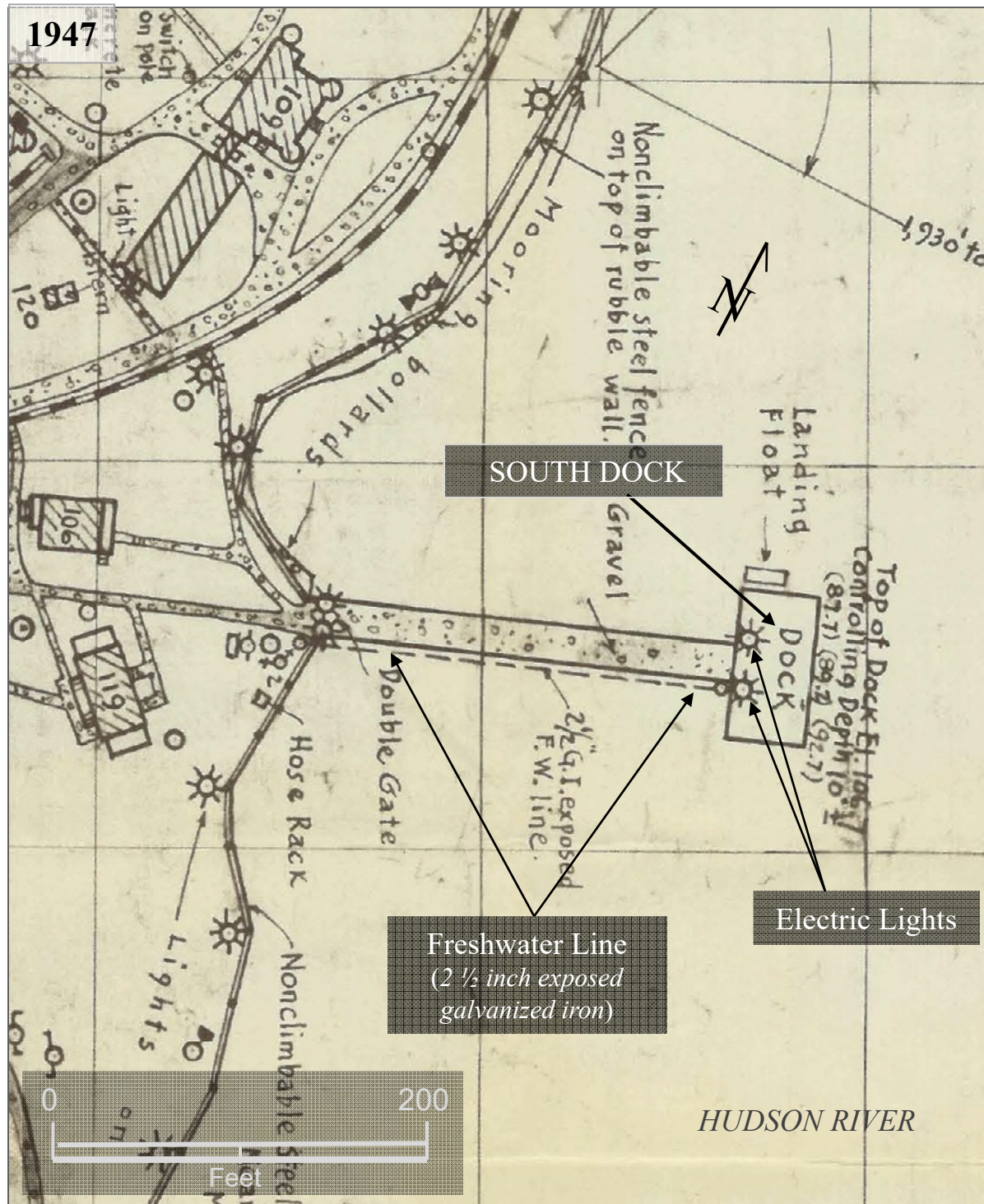
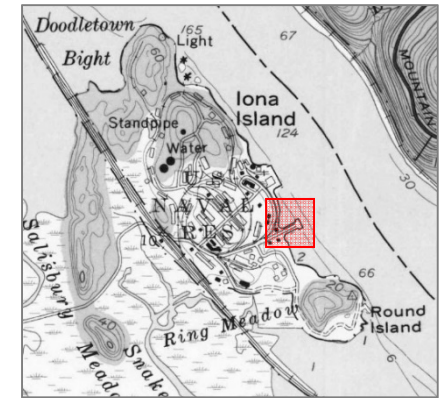
PART 6 OF 7



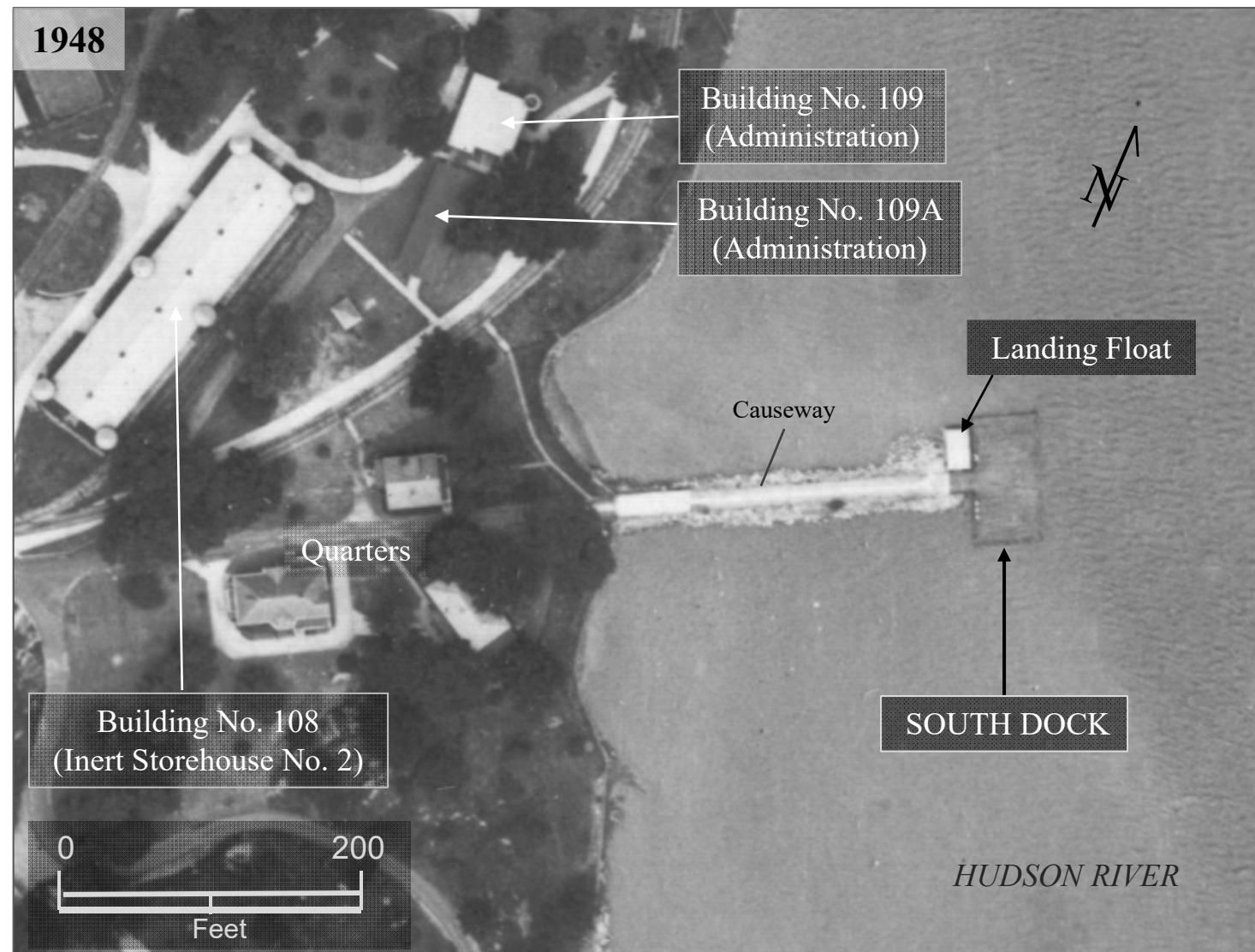
### 1947 MAP & 1948 AERIAL PHOTO

A Landing Float is labeled on an official U.S. Navy layout plan dated 1947. This feature is also identified on 1948 aerial photography at the South Dock. Small craft (such as patrol boats) are unable to berth directly to the raised dock. The landing float affords waterside access to the gravel causeway.

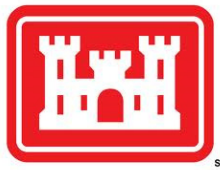
#### LOCATION DIAGRAM



1947Jun30\_NARA-CP\_RG291\_E7\_Bx205\_Layout\_NAD\_Iona\_Island.pdf



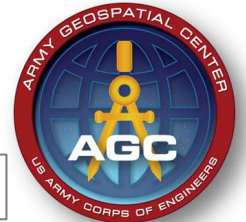
1948jun18\_NARA-CP\_RG80\_396119\_Iona.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## SOUTH DOCK (NO. 2 – DOCK)

PART 7 OF 7



### 1965 MAP, 1965 GROUND PHOTO, & 1965 OBLIQUE AERIAL PHOTO

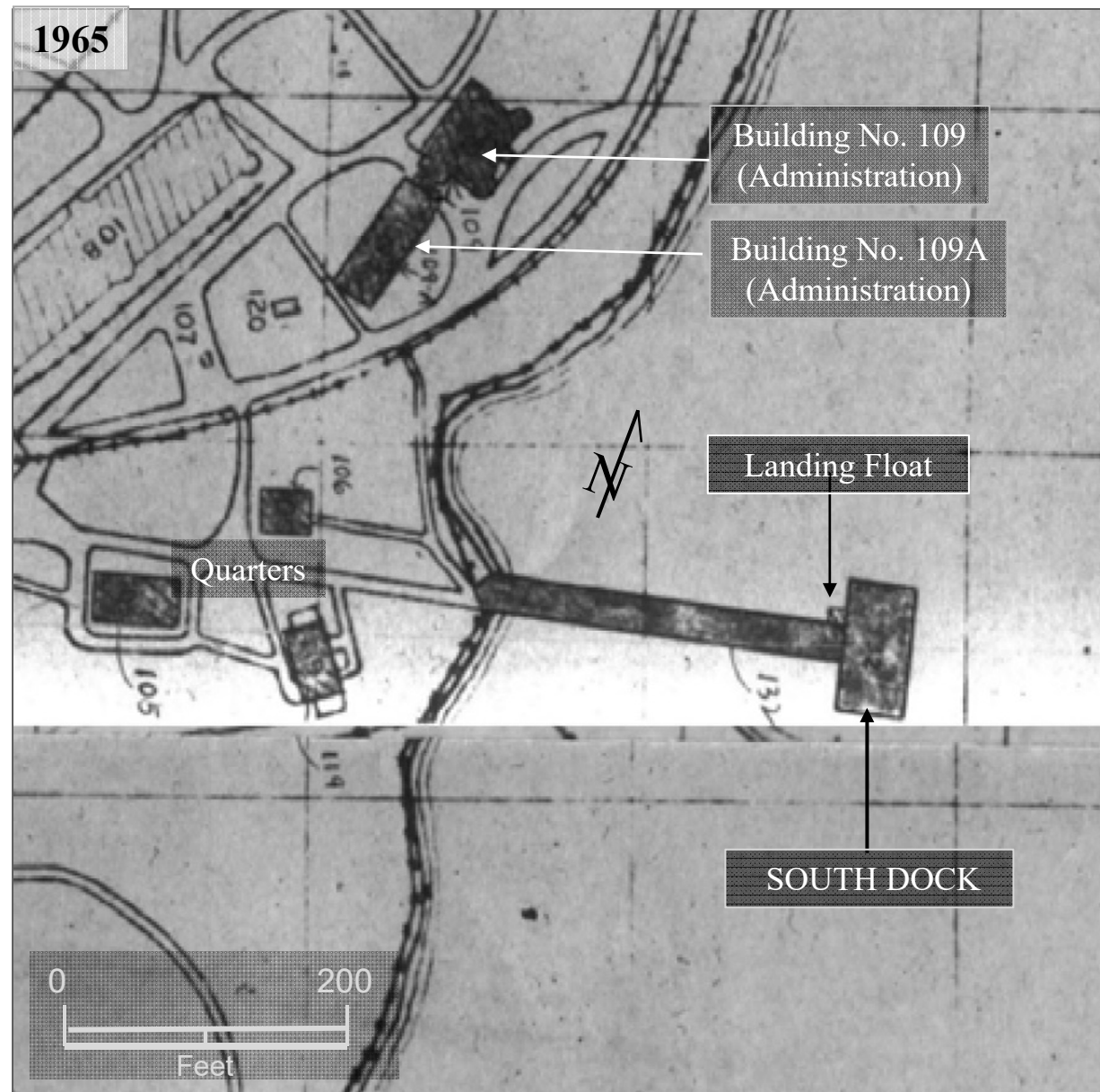
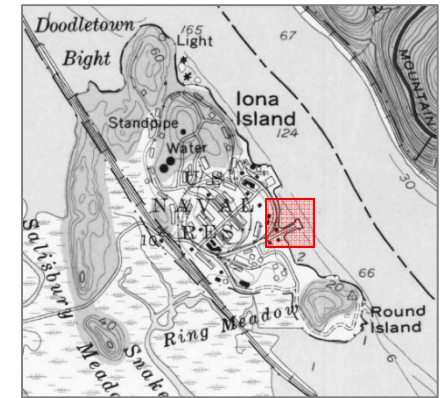
The second dock, 80' x 40', is reached by a gravel causeway. It is constructed of wood and has wood pilings. The controlling water depth is ten (10) feet.

On 1965 aerial photography, the South Dock remains clearly visible (on aerial & ground photos). A Landing Float is also identified on both map and aerial photographic sources (dated 1965).

Textual Source:

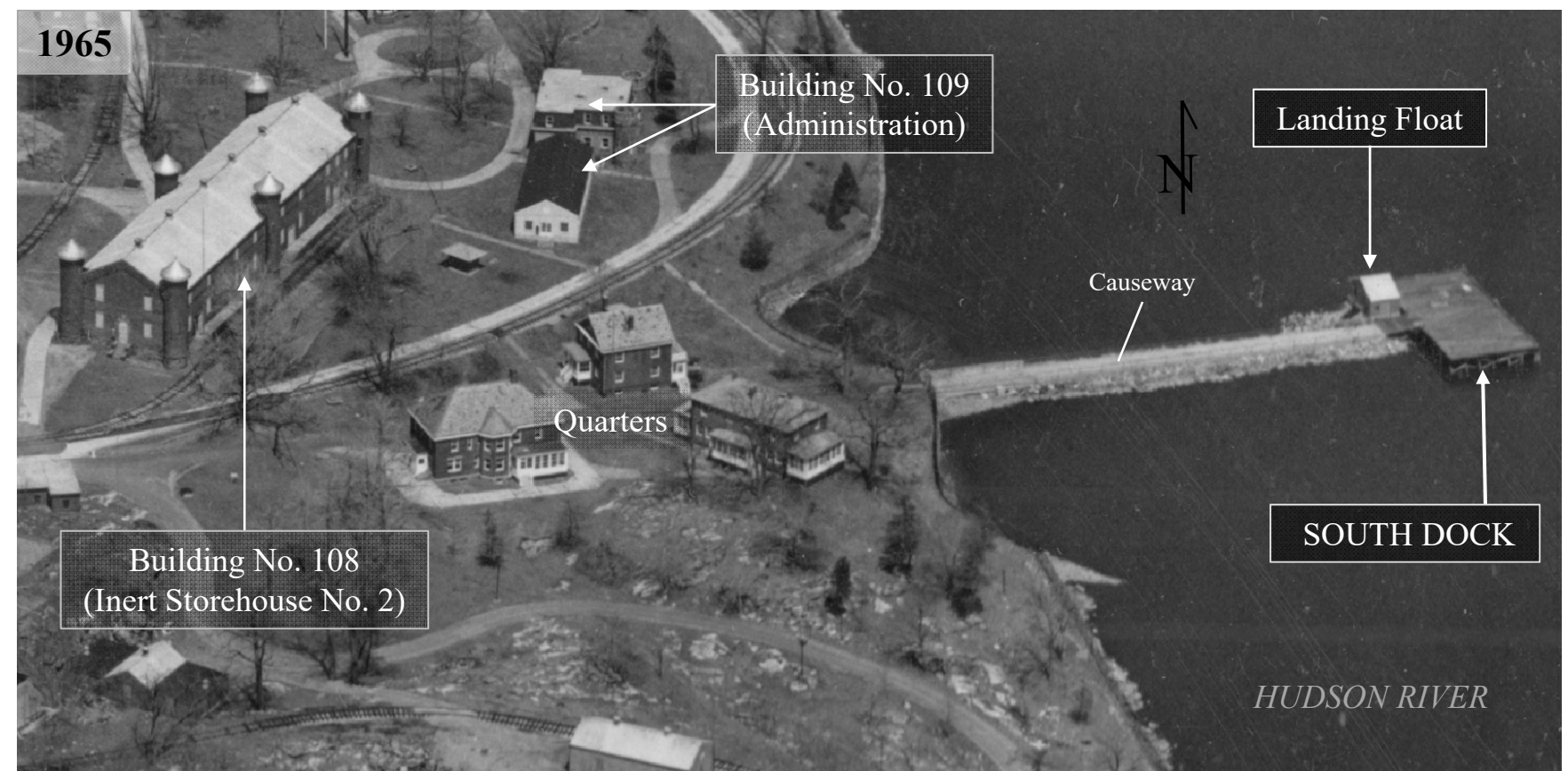
1948\_WASH-NAV-YRD\_Bldgs\_Descr\_in\_Detail\_NAD\_Iona\_Island.pdf

LOCATION DIAGRAM



Ground Photo Source:

1965\_NARA-CP\_RG291\_E07\_GSA\_Appraisal\_NAD\_Iona\_Island.pdf



ND\_MAP\_NARA-CP\_RG291\_1965\_Apprais\_Layout\_Plan\_Iona.pdf

1965\_NARA-CP\_RG291\_E7\_B205\_Iona\_o.tif



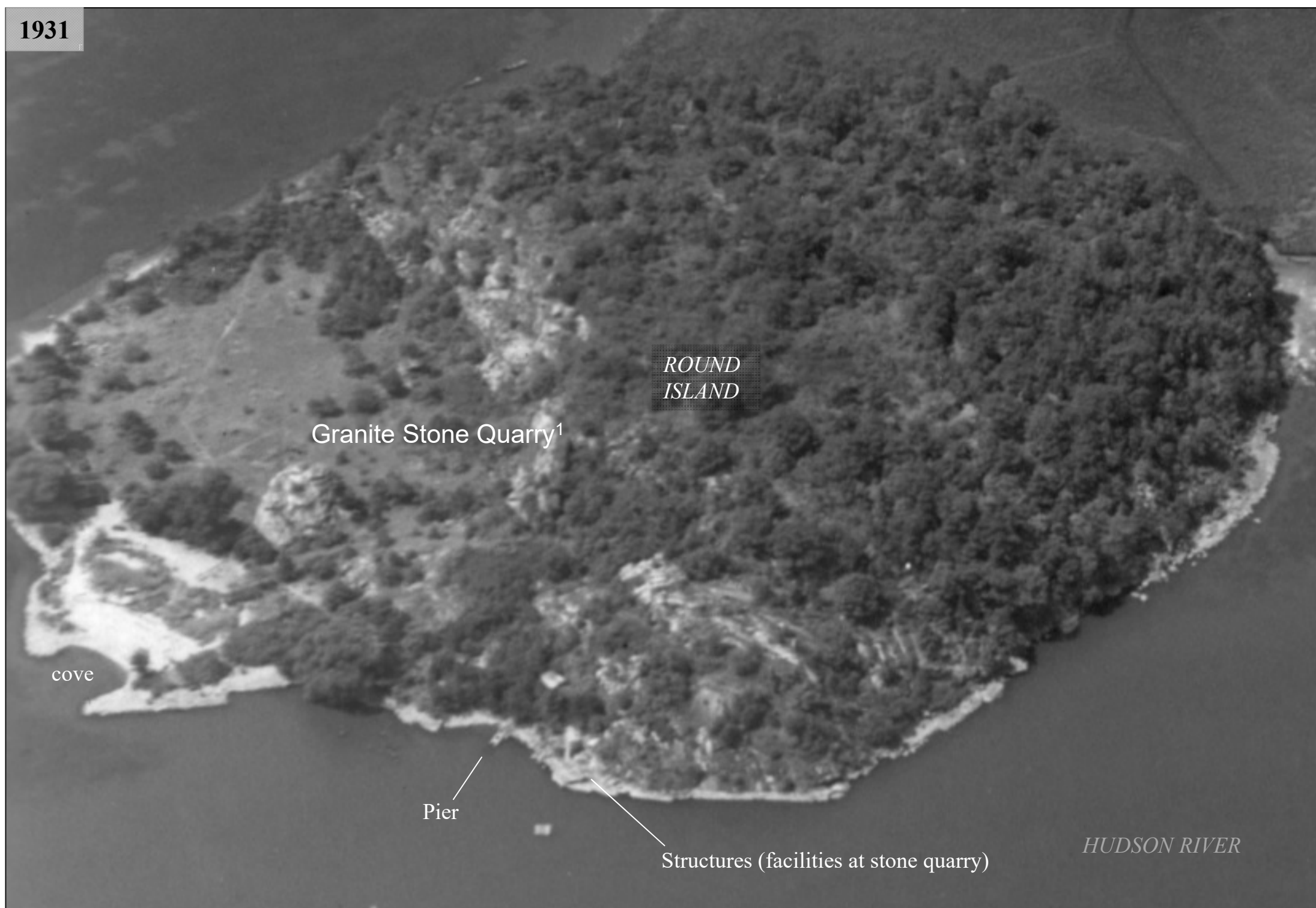
# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## ROUND ISLAND DOCK (NO. 3 – DOCK)

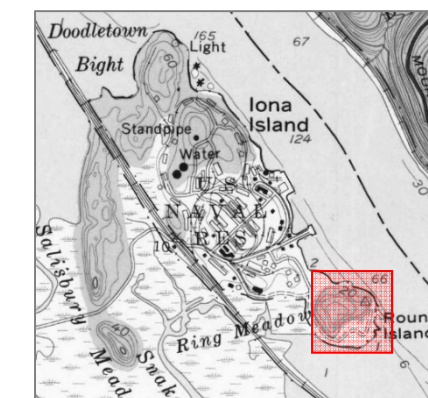
PART 1 OF 3



1931



### LOCATION DIAGRAM



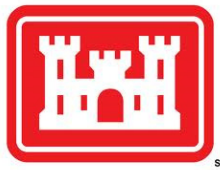
This 1931 oblique aerial view, looking west, shows conditions on Round Island, approximately eleven years before the U.S. Navy assumes control of the island.

A private company operates a stone quarry on Round Island. Granite originating from Round Island was used in the construction of the Brooklyn Bridge. Stone, for macadam material, was sold annually for road-making.<sup>2</sup>

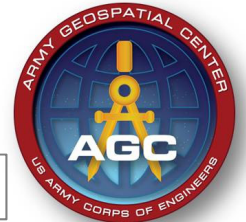
1931Aug06\_NARA-CP\_RG80\_466379\_NAD\_Iona\_Island\_o.tif

1. 1894\_NY\_State\_Museum\_Annual\_Report\_selected\_pages.pdf

2. Bulletin of the New York State Museum, Volume 3, No. 11, Albany, University of the State of New York, 1893.



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION



PART 2 OF 3

## ROUND ISLAND DOCK (NO. 3 – DOCK)

A third dock at Round Island, 125' x 40', is reached by road only. The controlling water depth is twenty (20) feet. The construction is of wooden piles and wooden deck.

Textual Source:

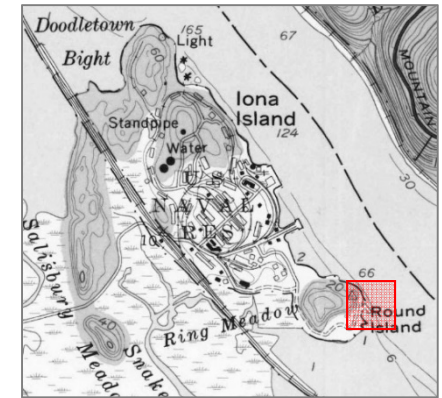
1948\_WASH-NAV-YRD\_Bldgs\_Descr\_in\_Detail\_NAD\_Iona\_Island.pdf

### 1947 MAP & 1943 AERIAL VIEWS

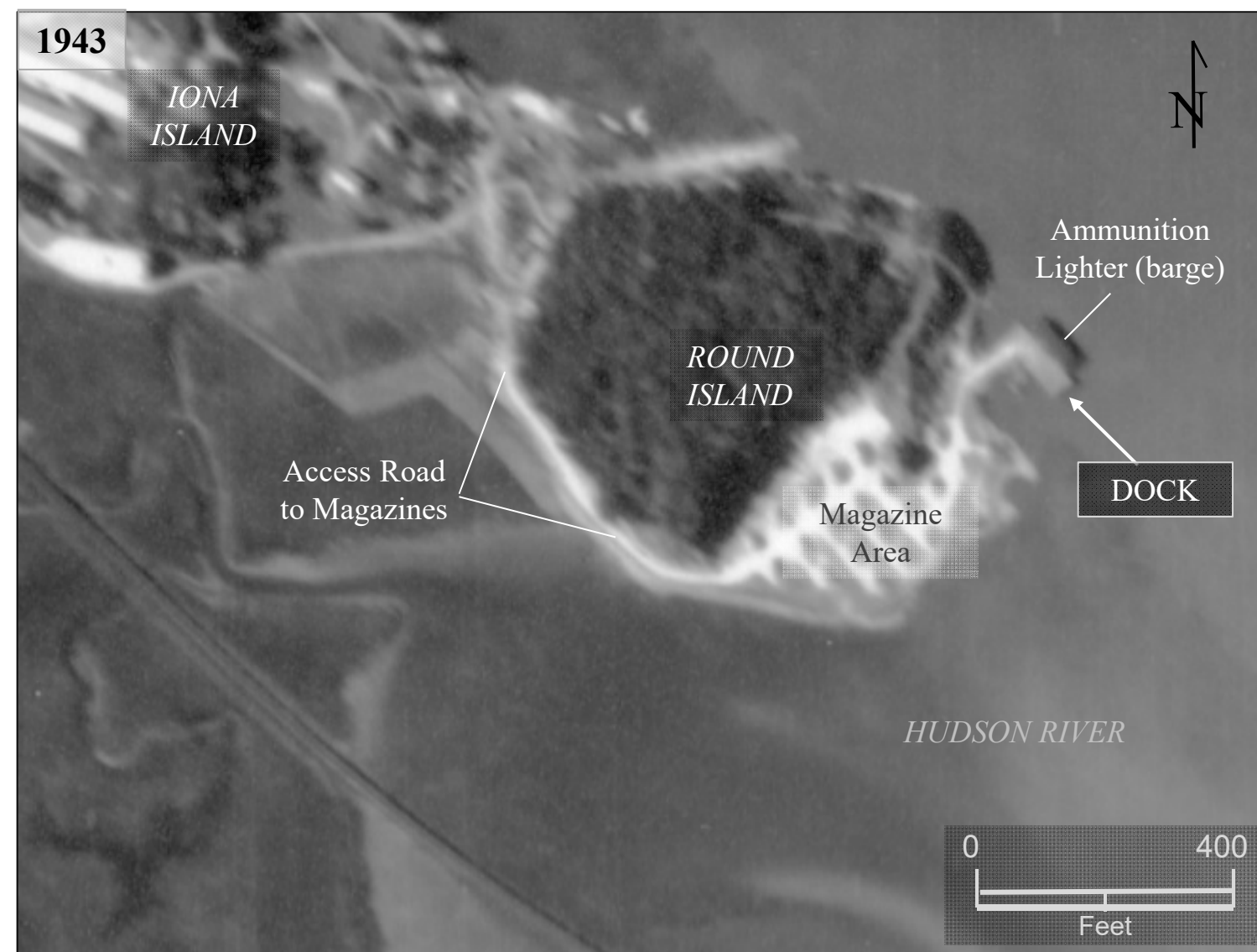
*“A small dock capable of taking small lighters and ship launches. Such a dock would permit the handling of high explosives ammunition without the necessity of bringing this ammunition through the congested main depot area as required at present.”*

Textual Source: 1942\_Aug17\_Docks\_NARA-CP\_RG74\_E25-J\_Bx558\_NAD\_Iona\_Island.pdf

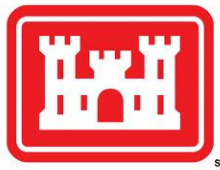
### LOCATION DIAGRAM



1947Jun30\_NARA-CP\_RG291\_E7\_Bx205\_Layout\_NAD\_Iona\_Island.pdf



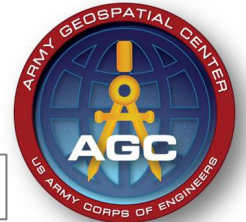
1943Jul16\_NARA-CP\_RG373\_Fr24\_NAD\_Iona\_Island.tif



# NAD IONA ISLAND, NY – BUILDING & AREA IDENTIFICATION

## ROUND ISLAND DOCK (NO. 3 – DOCK)

PART 3 OF 3

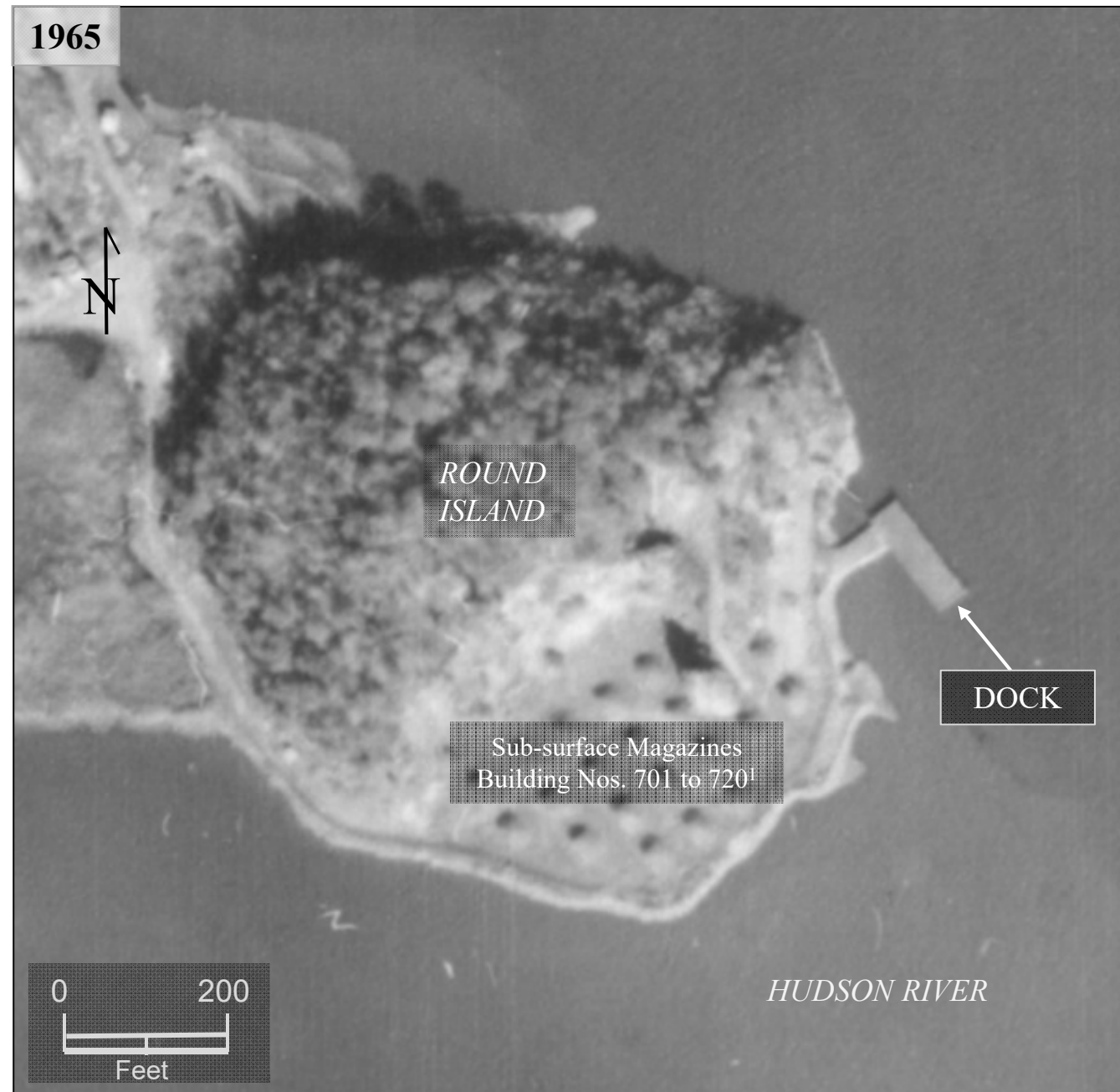
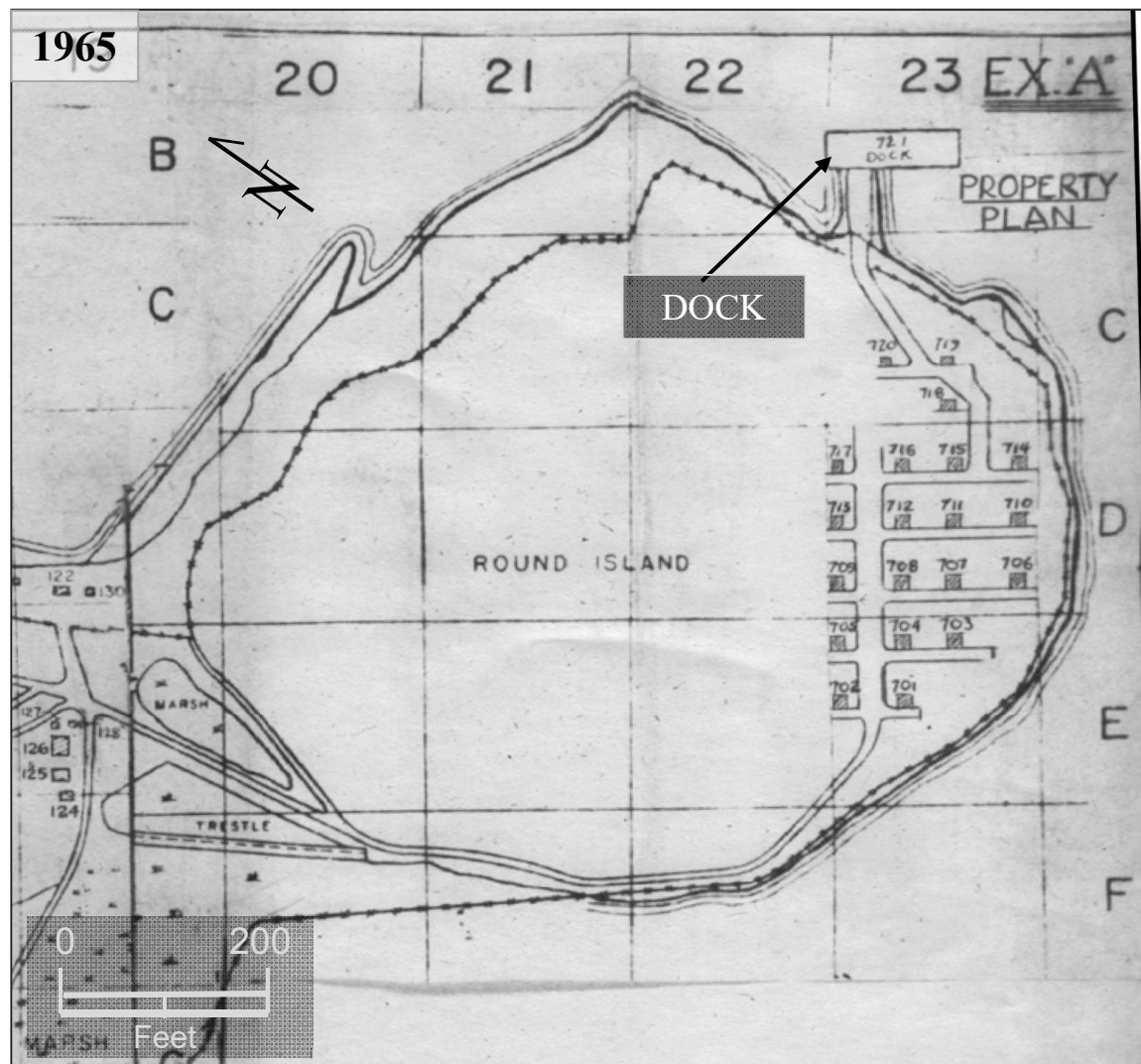
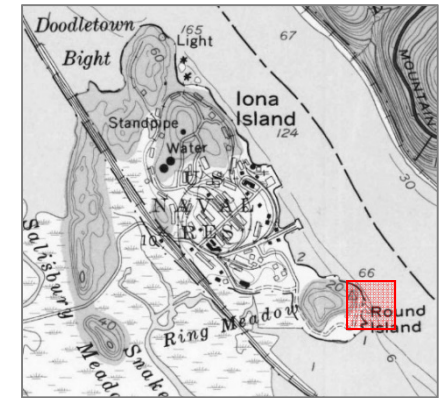


### 1965 GSA LAND APPRAISAL MAP VIEW & 1965 AERIAL VIEW

A 1965 vertical aerial view of Round Island is shown below. The dock on Round Island is identifiable on the photograph.

A 1965 map view of Round Island is shown below. The dock on Round Island is indicated to be intact.

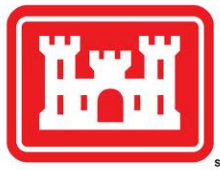
#### LOCATION DIAGRAM



ND\_MAP\_NARA-CP\_RG291\_1965\_Apprais\_Layout\_Plan\_Iona.pdf

196510Nov\_Fr22\_EPZ\_4GG\_Iona\_Island.tif

1. 1951Jun30\_corrected1947\_MAP\_layout\_Iona.pdf



# NAD IONA ISLAND, NY – FILL AREA IDENTIFICATION

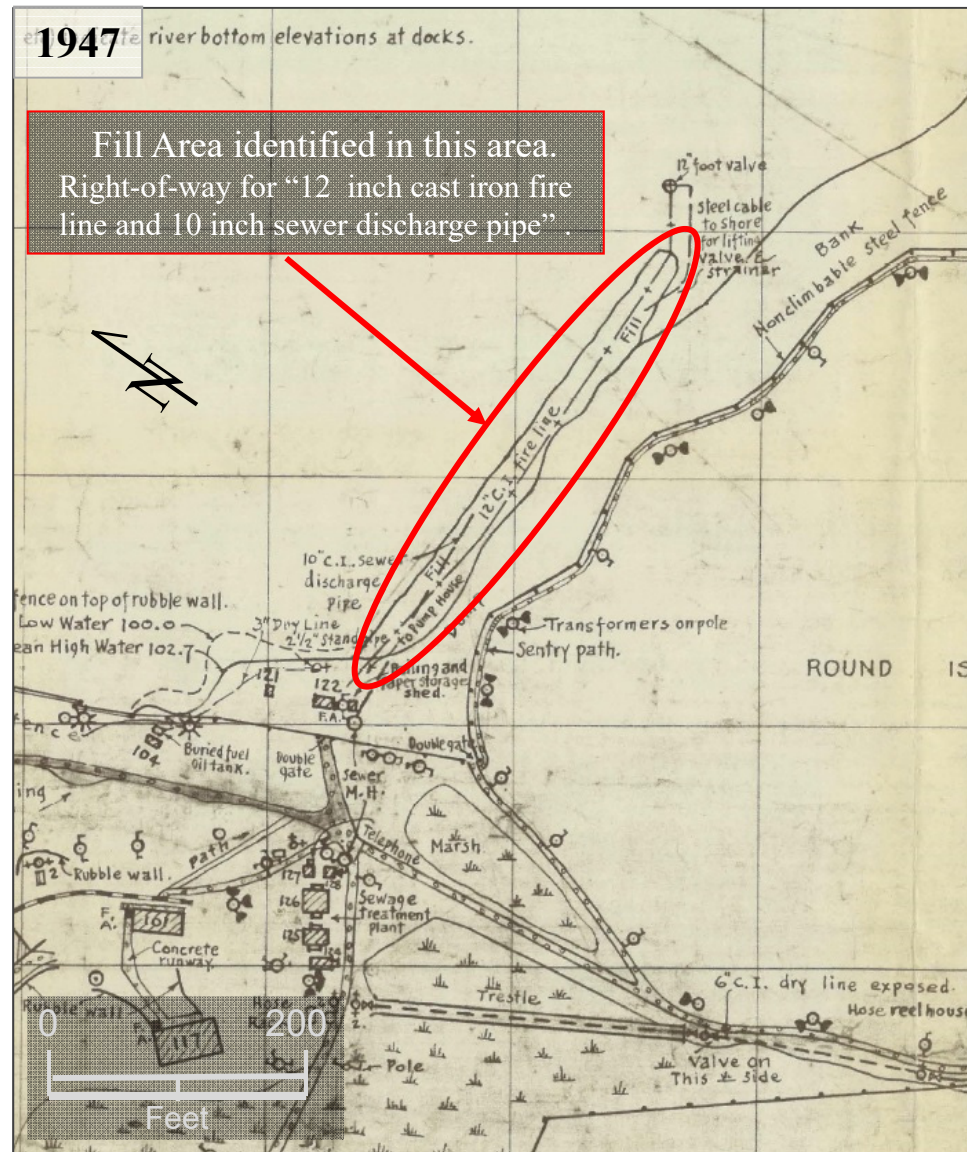
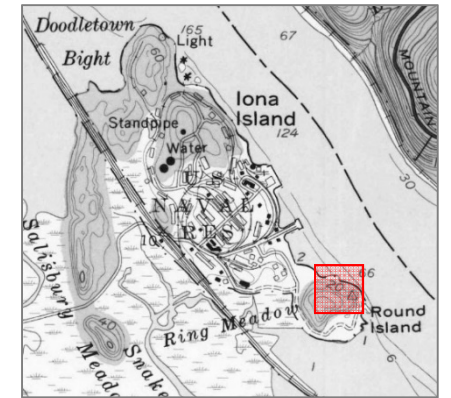
## FILL AREA NUMBER ONE – ROUND ISLAND LOCATION

PART 1 OF 2

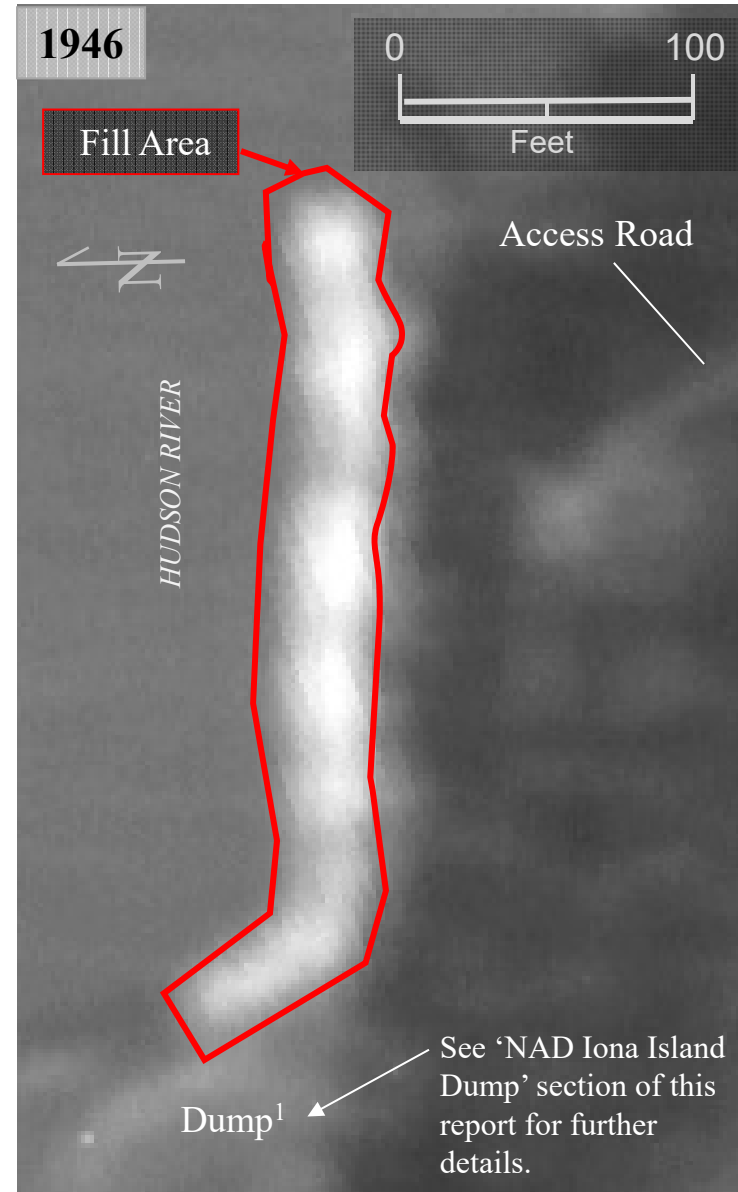


### 1947 MAP, 1946 VERTICAL AERIAL, & 1948 VERTICAL AERIAL VIEWS

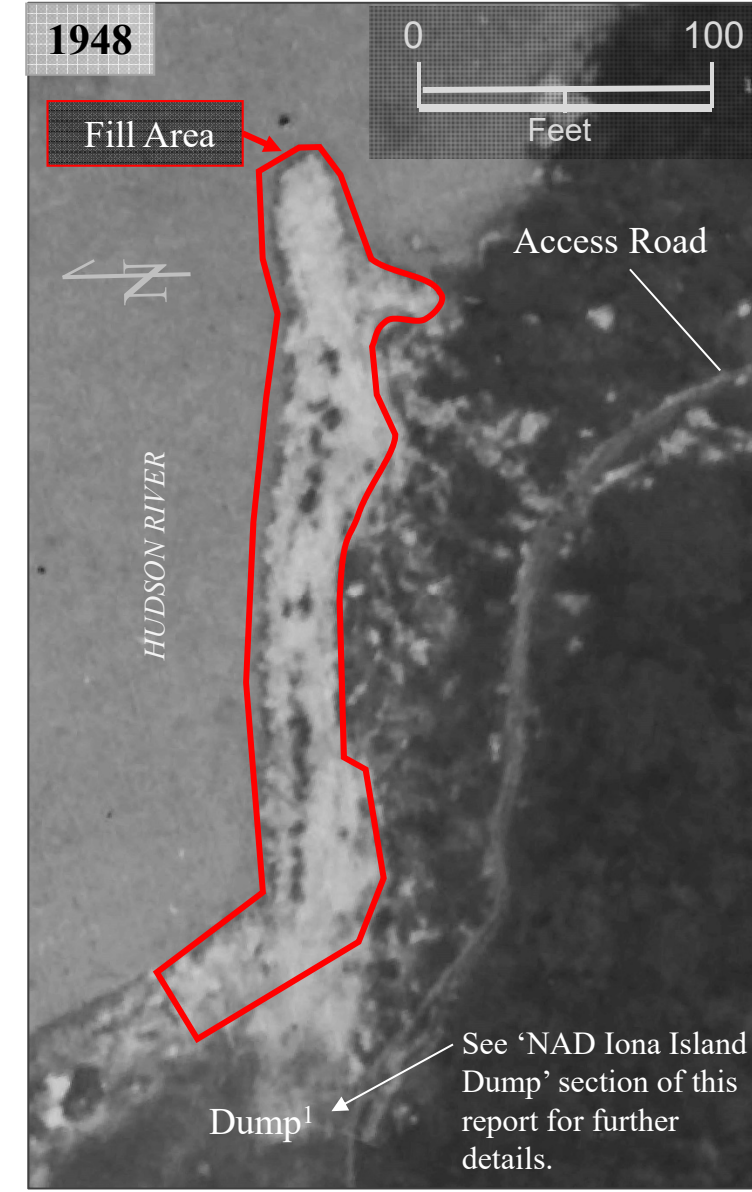
#### LOCATION DIAGRAM



1947Jun30\_NARA-CP\_RG291\_E7\_Bx205\_Layout\_NAD\_Iona\_Island.pdf

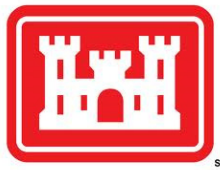


1946mar13\_NARA-CP\_RG373\_fr327\_Iona.tif



1948jun18\_NARA-CP\_RG80\_396119\_Iona.tif

1. 1947Jun30\_NARA-CP\_RG291\_E7\_Bx205\_Layout\_NAD\_Iona\_Island.pdf



# NAD IONA ISLAND, NY – FILL AREA IDENTIFICATION

## FILL AREA NUMBER ONE – ROUND ISLAND LOCATION

PART 2 OF 2



### 1965 MAP, 1957 VERTICAL AERIAL, & 2013 SATELLITE IMAGE VIEWS



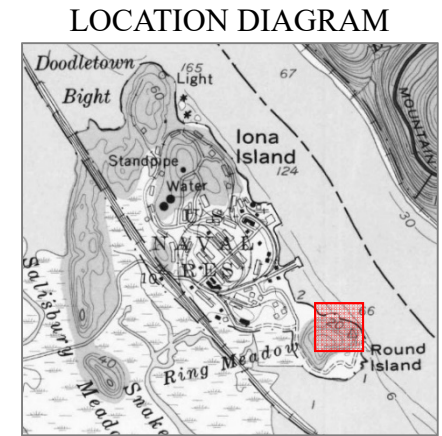
ND\_MAP\_NARA-CP\_RG291\_1965\_Apprais\_Layout\_Plan\_Iona.pdf



1957may\_NARA-CP\_RG80\_1017405\_Iona.tif

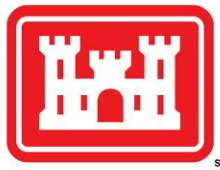


2013May01\_USGS\_ortho\_data\_Iona.tif



1. 1947Jun30\_NARA-CP\_RG291\_E7\_Bx205\_Layout\_NAD\_Iona\_Island.pdf





# NAD IONA ISLAND, NY – FILL AREA IDENTIFICATION

## FILL AREA NUMBER TWO – RING MEADOW MARSH

PART 2 OF 2

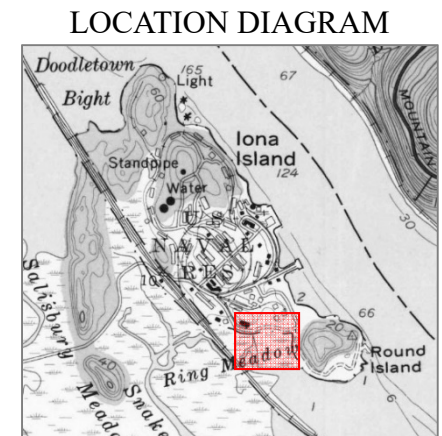


### 1981 PHOTO-REVISED TOPOGRAPHIC MAP DATA, 1965 AERIAL, 1973 AERIAL, & 1980 AERIAL VIEWS

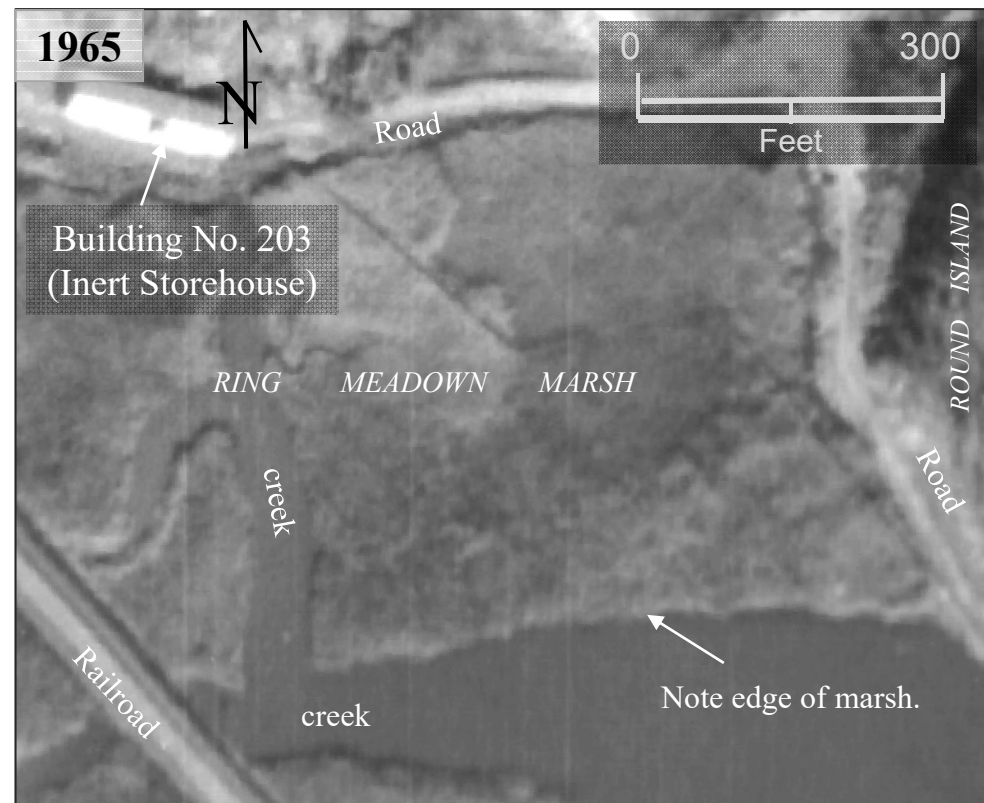


1981rev\_MAP\_USGS\_Quad\_NY\_Peekskill\_136785\_24000\_Iona.pdf

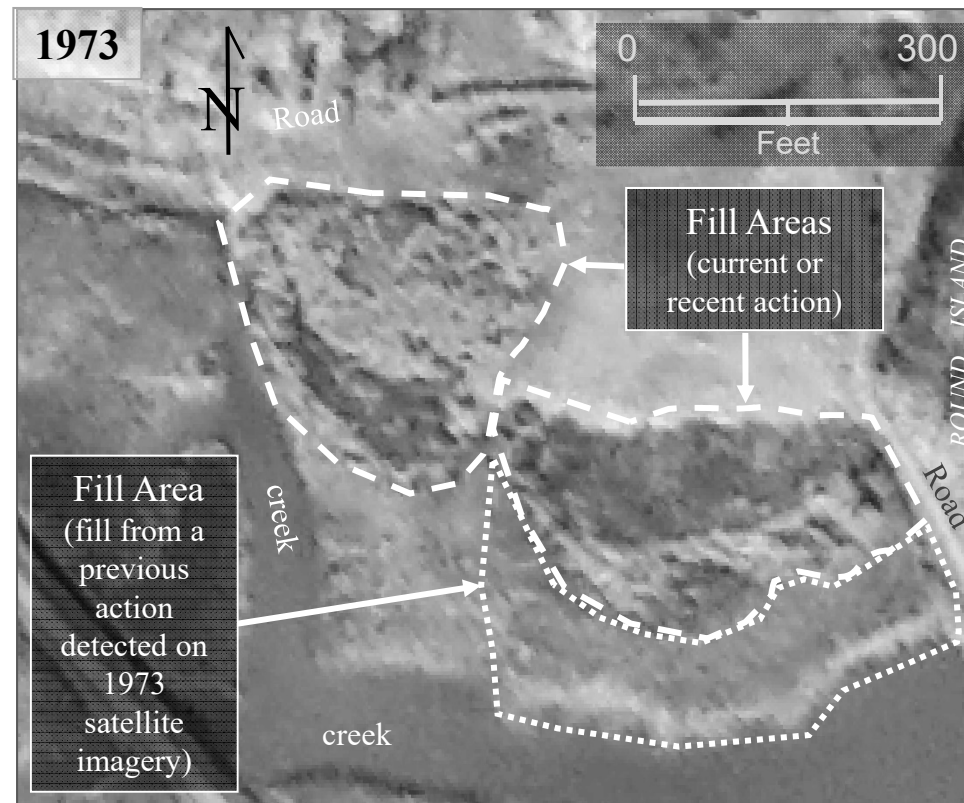
In November 1965 following the GSA appraisal of buildings and land on the former NAD Iona Island, NY, no fill areas are detected on aerial photography in Ring Meadow Marsh just west of Round Island. Areas of fill, however, are clearly visible on 1973 satellite imagery (see center photo-below). A 1980 aerial view provides an overall view of the fill areas – actions which occurred between November 1965 and April 1980.



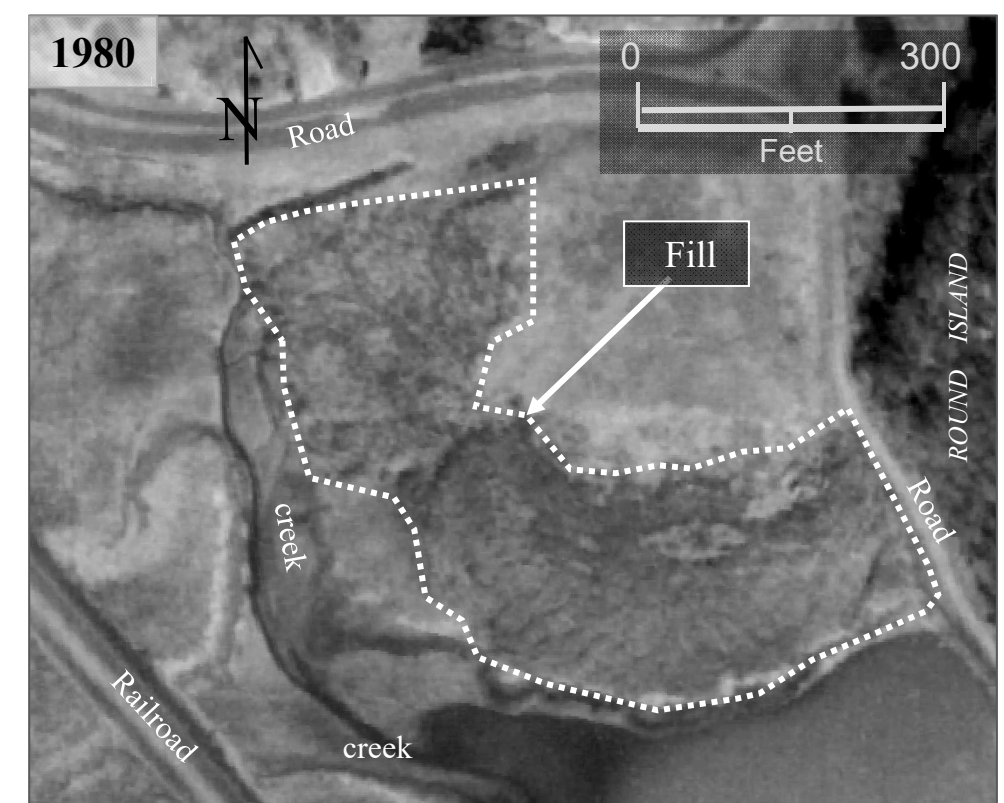
It is also noted that between November 1965 and December 1973 numerous buildings/structures were demolished and removed.



1965nov10\_EPZ\_4GG\_fr22\_Iona.tif



1973Dec03\_NARA-CP\_RG537\_Iona.tif



1980apr21\_Keystone\_fr4572\_Iona.tif

1. ND\_MAP\_NARA-CP\_RG291\_1965\_Apprais\_Layout\_Plan\_Iona.pdf



# NAD IONA ISLAND, NY – DUMP IDENTIFICATION

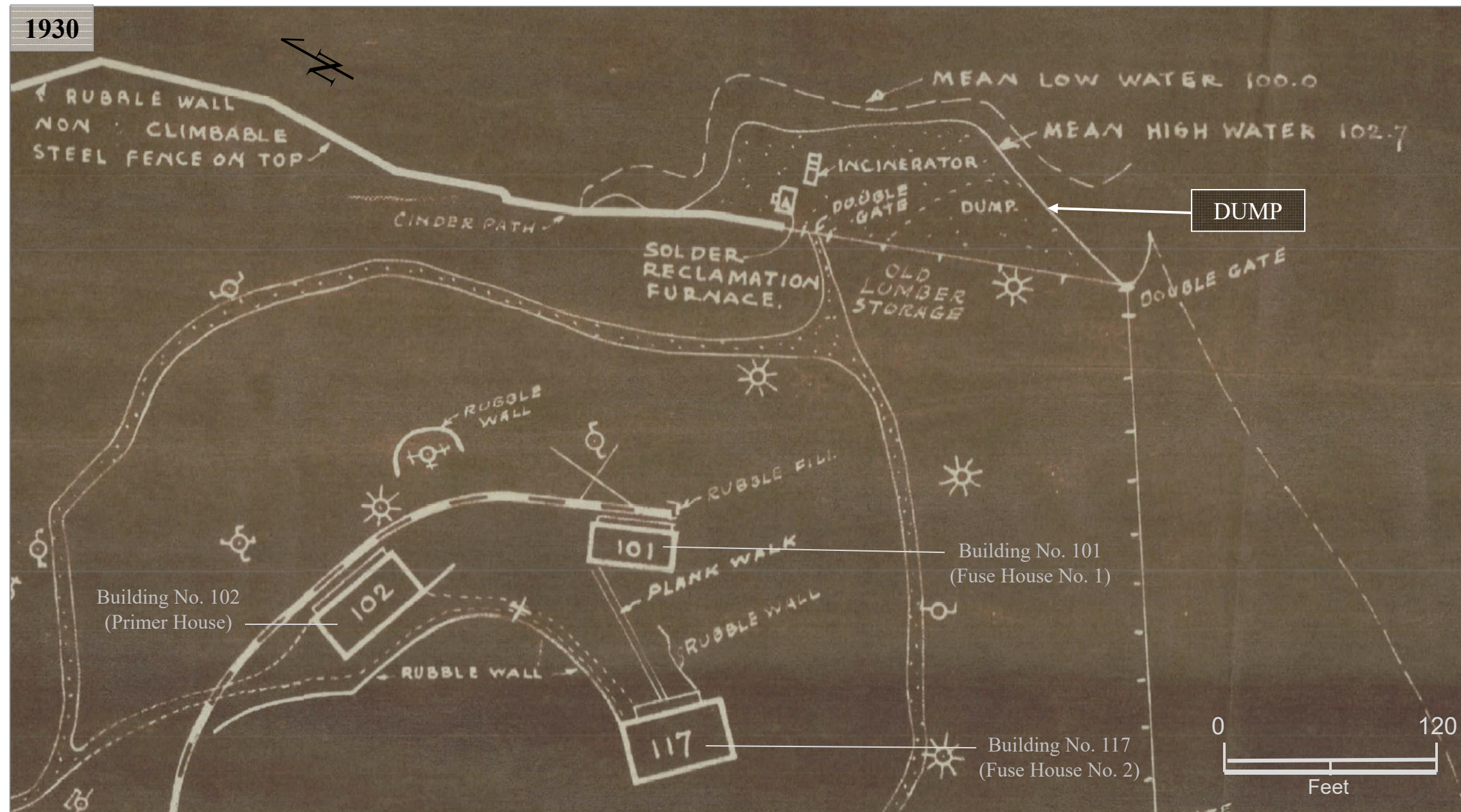
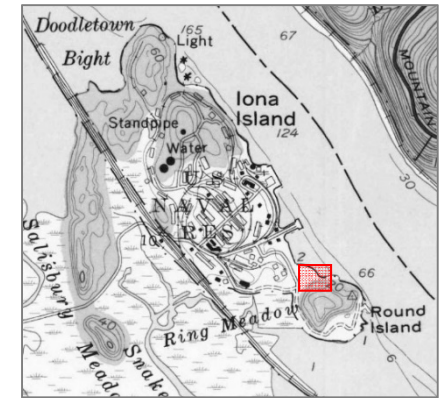
## DUMP SITE

PART 1 OF 5



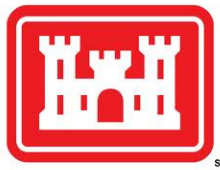
A dump is first identified on an official U.S. Navy layout plan (see below) – map data revised in 1930 from a previously-published 1928 layout plan.<sup>1</sup>

### LOCATION DIAGRAM



1930May01\_rev1928Dec31\_MAP\_NARA-CP\_RG71\_layout\_Iona.pdf

1. Official layout plans dated 1901 through 1929 do not identify a dump site within the U.S. Navy installation on Iona Island.



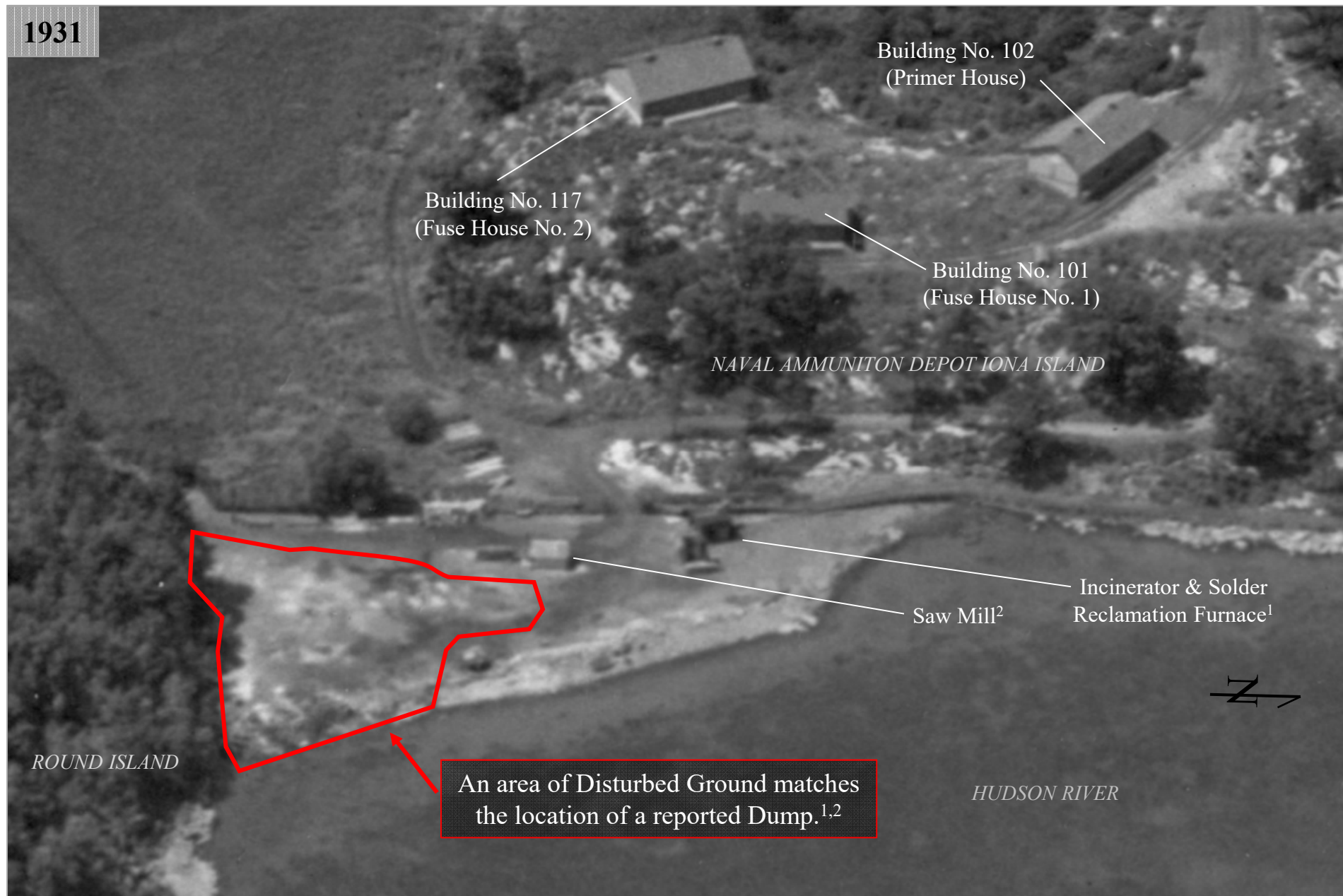
# NAD IONA ISLAND, NY – DUMP IDENTIFICATION



PART 2 OF 5

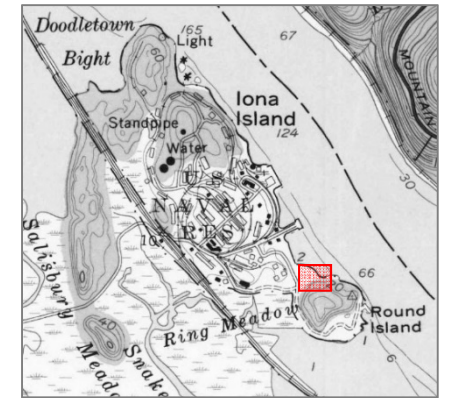
## DUMP SITE

A 1931 aerial oblique view of Naval Ammunition Depot Iona Island, NY and Round Island (looking west).

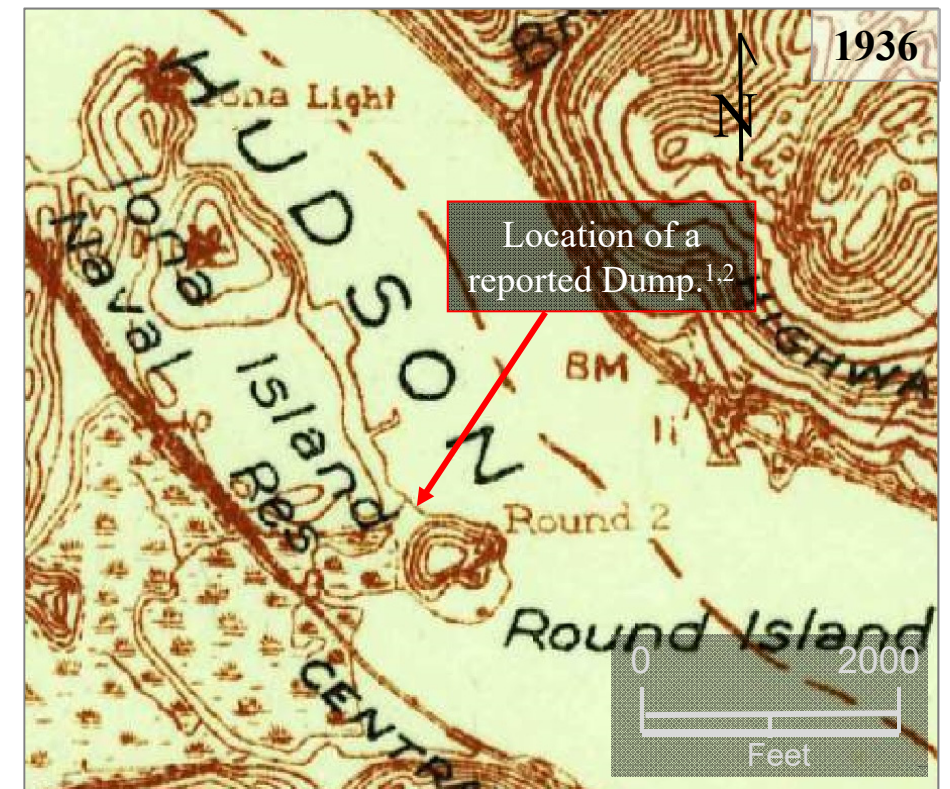


1931aug06\_NARA-CP\_RG80\_466379\_Iona\_o.tif

### LOCATION DIAGRAM

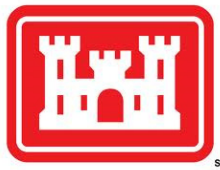


1936 topographic map view of Iona Island and Round Island, NY.



NY\_West Point\_140203\_1936\_48000\_geo.tif

1. 1930May01\_rev1928Dec31\_MAP\_NARA-CP\_RG71\_layout\_Iona.pdf
2. 1933Jun30\_MAP\_NAVFEC\_layout\_Iona.pdf



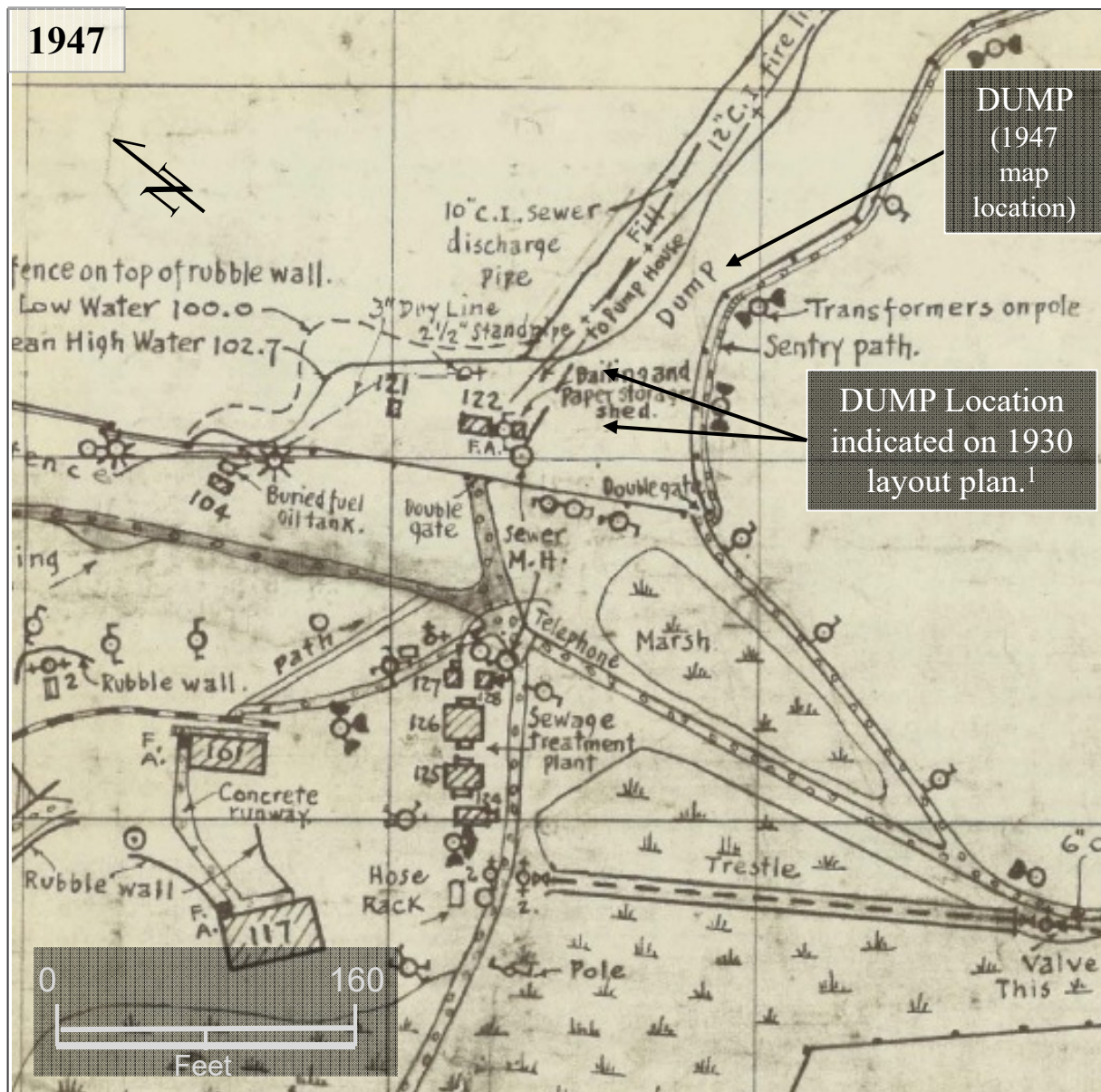
# NAD IONA ISLAND, NY – DUMP IDENTIFICATION



PART 3 OF 5

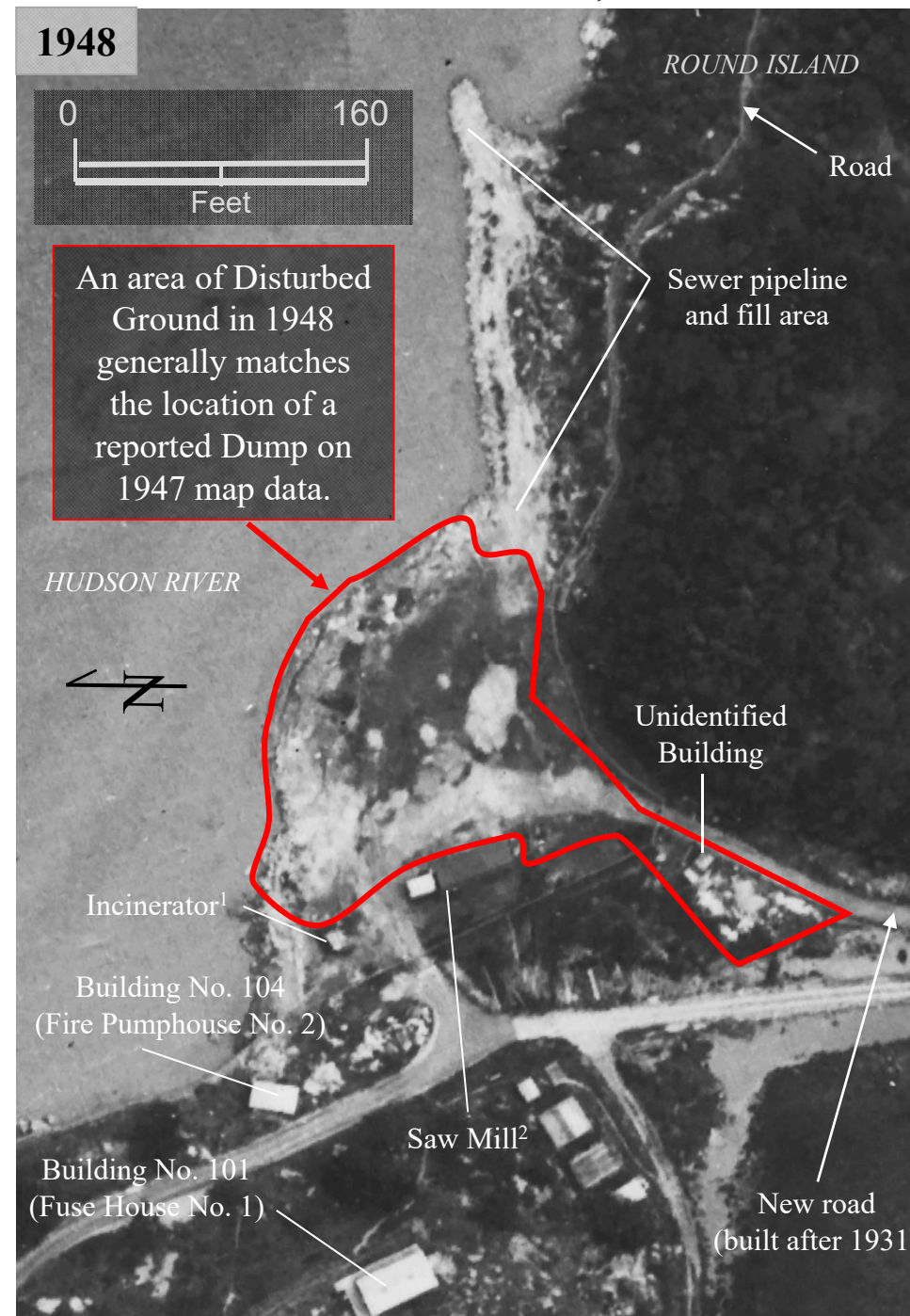
## DUMP SITE

A dump, first identified on a 1930-dated official U.S. Navy layout plan, is indicated in a modified location on a map showing conditions on 30 June 1947.



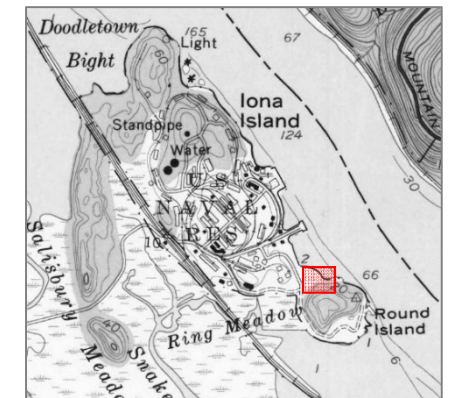
1947Jun30\_NARA-CP\_RG291\_E7\_Bx205\_Layout\_NAD\_Iona\_Island.pdf

A 1948 aerial view of a reported dump area on NAD Iona Island, NY.



1948jun18\_NARA-CP\_RG80\_396120\_Iona\_o.tif

### LOCATION DIAGRAM



An irregular-shaped area adjacent to Round Mountain contains patches of Disturbed Ground, identified on 1948 aerial photography, which geographically matches to a (1947 map location) reported Dump on NAD Iona Island, NY.

Historical documents discuss the open burning of smokeless powder, including one reference to a “small burning ground” on NAD Iona Island. Although not confirmed to be located at the Dump, these memos may relate to the two dump map locations (dated 1930 and 1947 respectively) on NAD Iona Island.<sup>3,4</sup>

1. 1930May01\_rev1928Dec31\_MAP\_NARA-CP\_RG71\_layout\_Iona.pdf 2. 1933Jun30\_MAP\_NAVFEC\_layout\_Iona.pdf 3. 1945Mar02\_NARA-CP\_RG74\_Procedure\_Burn\_Smokeless\_Powder\_NAD\_Iona\_Island.pdf 4. 1945Feb12\_NARA-CP\_RG74\_Burning\_Smokeless\_Powder\_NAD\_Iona\_Island.pdf



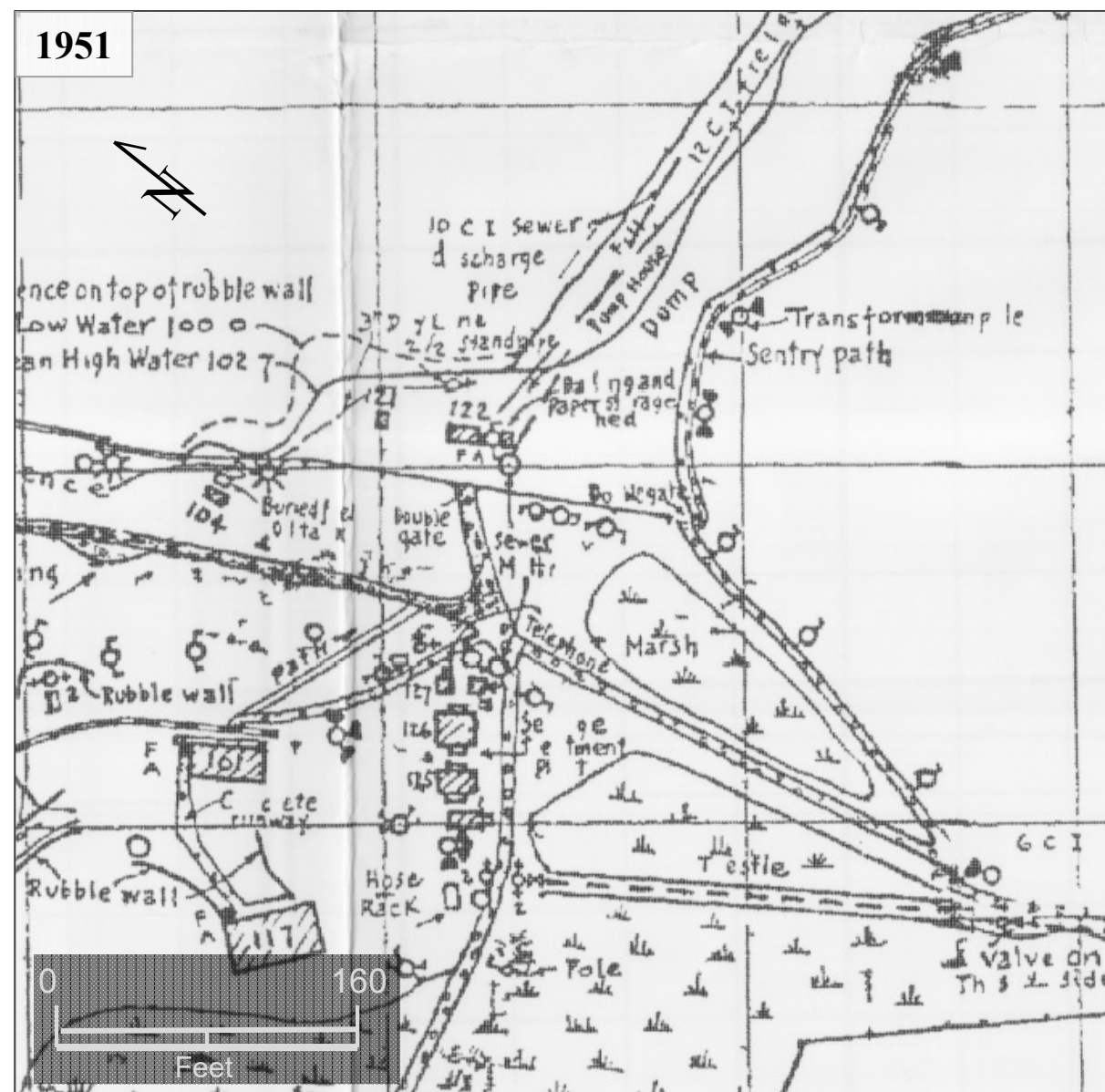
# NAD IONA ISLAND, NY – DUMP IDENTIFICATION



PART 4 OF 5

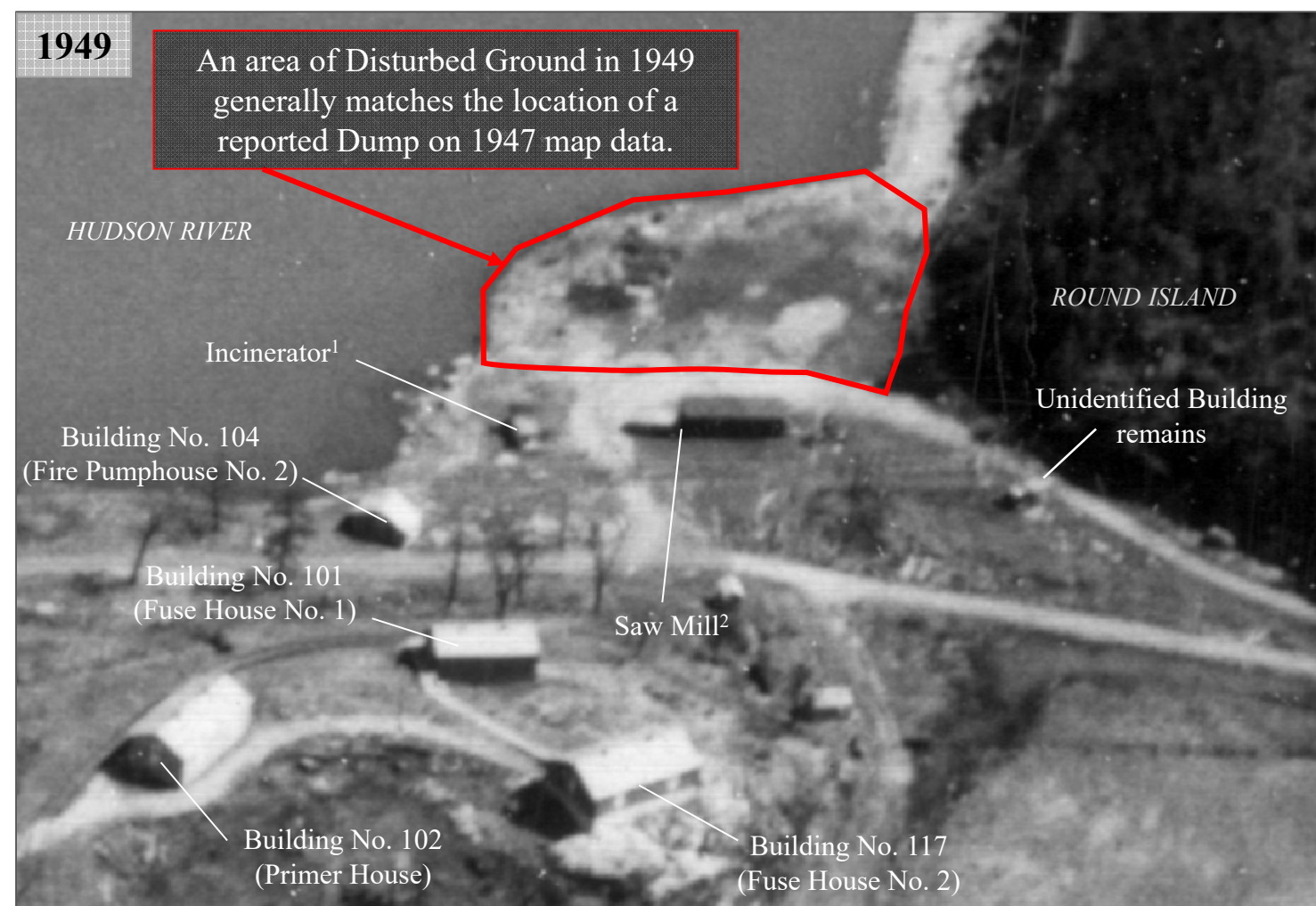
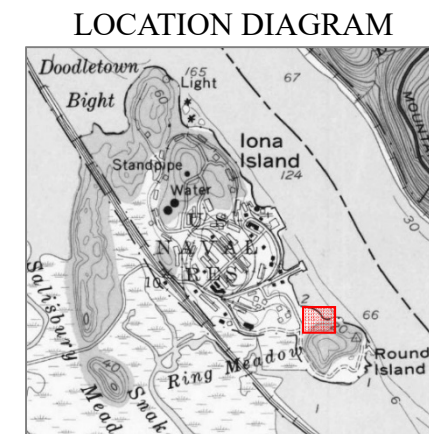
## DUMP SITE

A dump, first identified on a 1930-dated official U.S. Navy layout plan, is indicated in a modified location on a map showing conditions on 30 June 1947 (corrected to 1951).



1951Jun30\_corrected1947\_MAP\_layout\_Iona.pdf

A 1949 aerial oblique view of NAD Iona Island, NY and Round Island (looking east).



1949apr04\_NARA-CP\_RG80\_406100\_Iona\_o.tif

1. 1930May01\_rev1928Dec31\_MAP\_NARA-CP\_RG71\_layout\_Iona.pdf
2. 1933Jun30\_MAP\_NAVFEC\_layout\_Iona.pdf

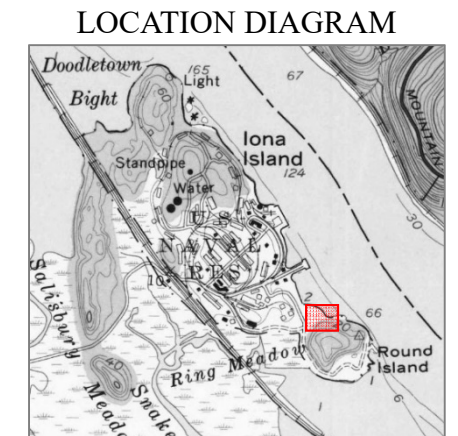
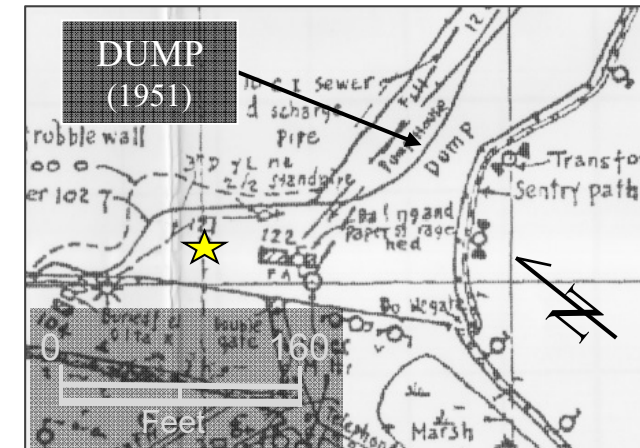
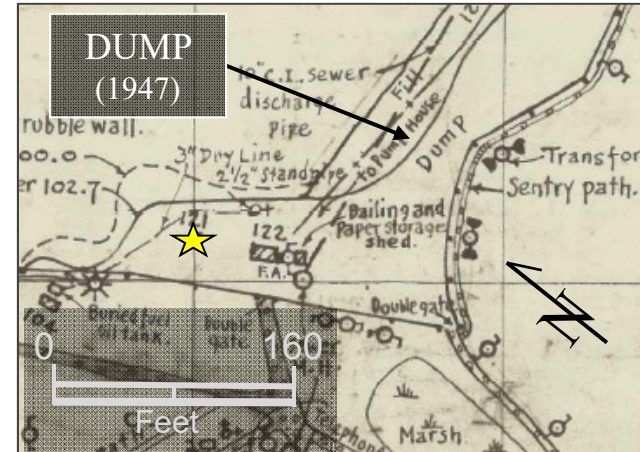
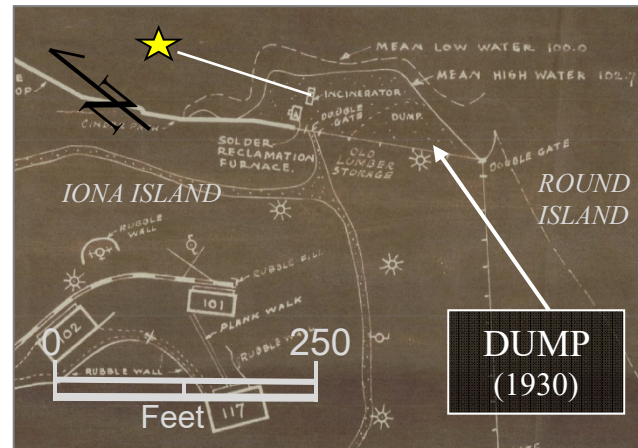


# NAD IONA ISLAND, NY – DUMP IDENTIFICATION



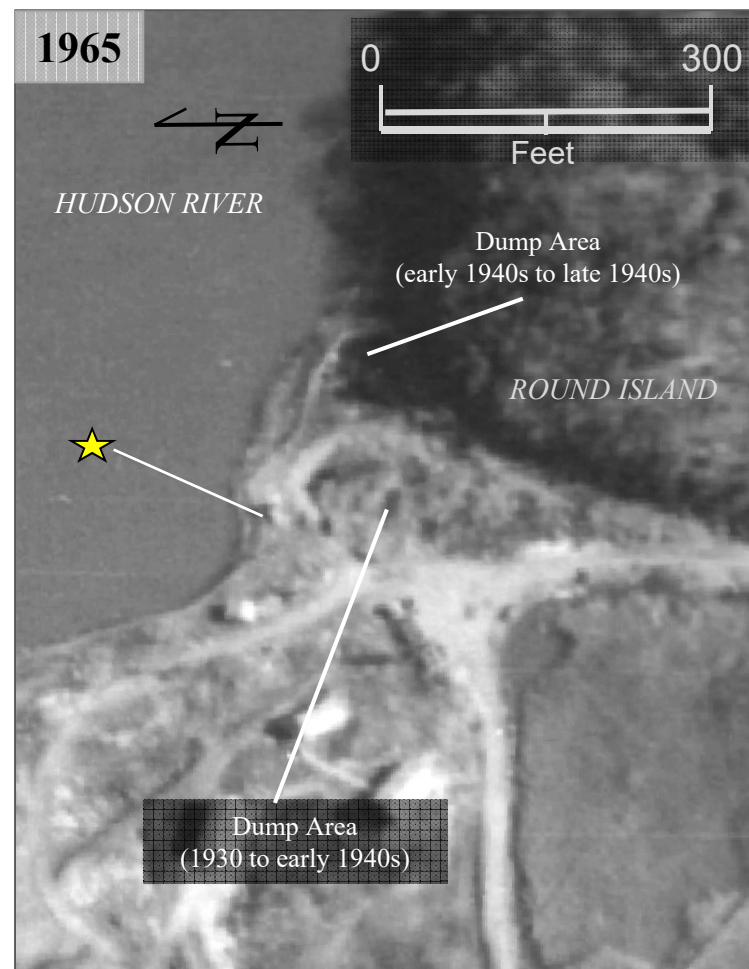
PART 5 OF 5

## DUMP SITE

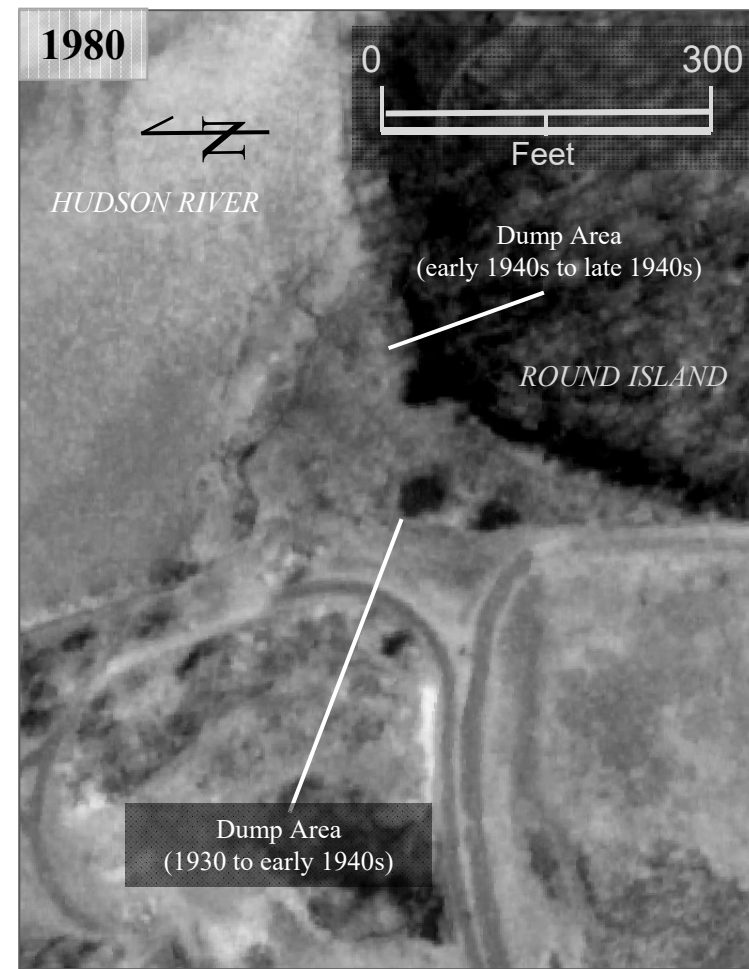


★ - Incinerator (for locational information)

## 1965, 1980, 2013, & 2018 - COMPARITIVE VERTICAL VIEWS



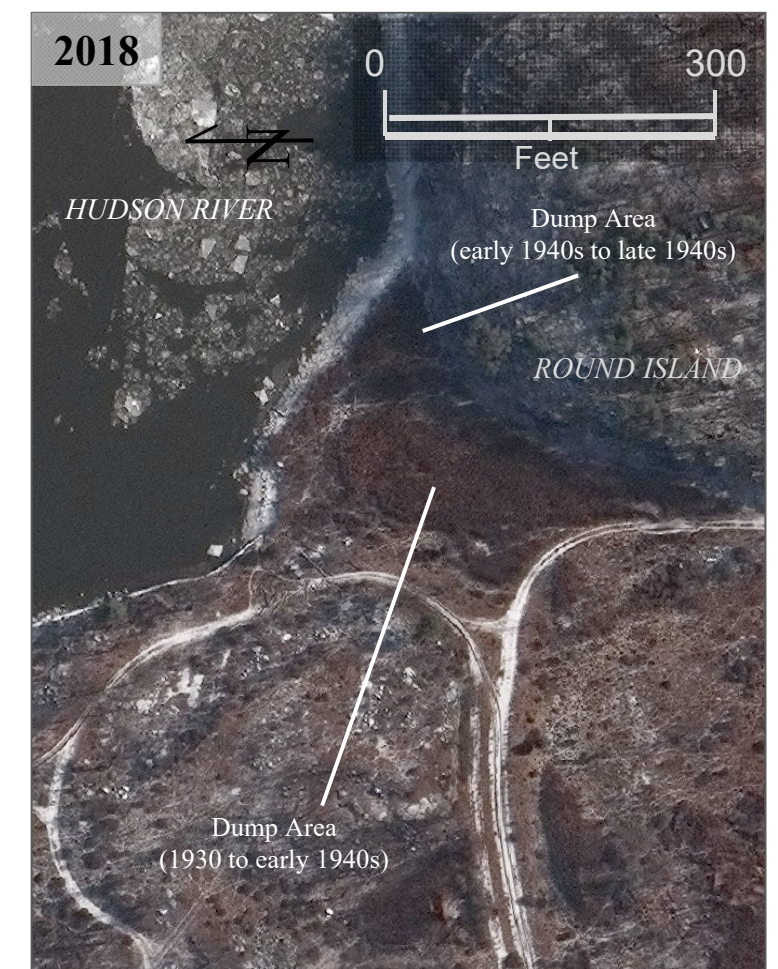
1965nov10\_EPZ\_4GG\_fr22\_Iona.tif



1980apr21\_Keystone\_fr4572\_Iona.tif

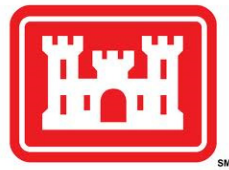


2013May01\_USGS\_ortho\_data\_Iona.tif



2018Jan21\_NGA\_ortho\_cell\_Iona.tif

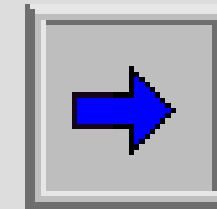
★ - Incinerator (for locational information)



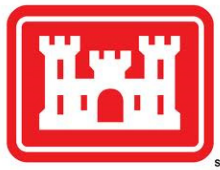
# APPENDIX



1903 Explosion on  
Iona Island and  
Potential OE

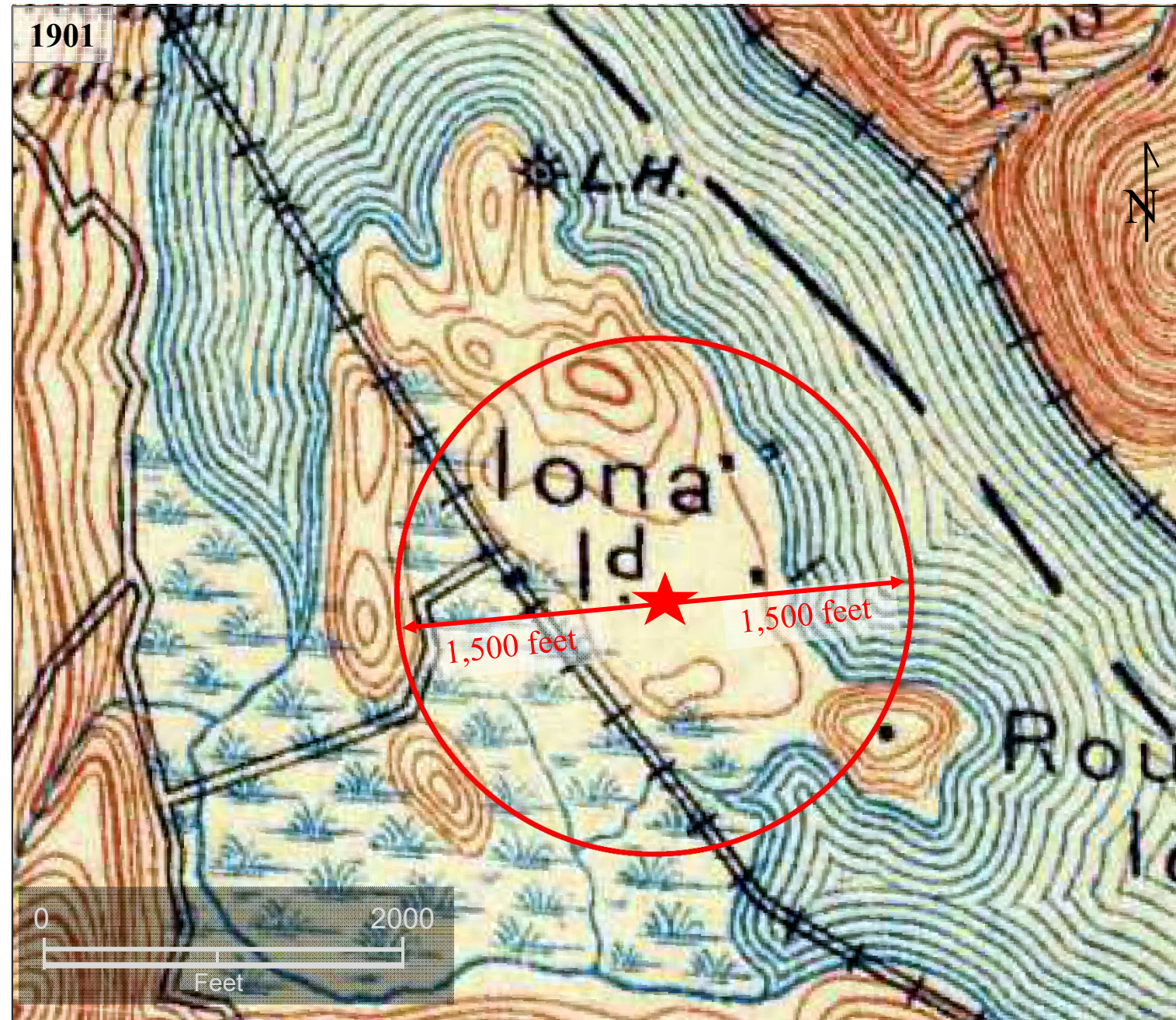


OE = Ordnance and Explosives



# NAD IONA ISLAND, NY – 1903 EXPLOSION & POTENTIAL EXTENT OF OE

## POTENTIAL CONTAMINATION AREA ON 1901 TOPOGRAPHIC MAP



1901\_MAP\_USGS\_Quad\_NY\_West Point\_144453\_62500\_Iona.pdf

A potentially-contaminated area derived from a 1903 ordnance explosion (shown in red – approximate alignment) derived from a 1998 Archives Search Report.<sup>1</sup>

1. Archives Search Report – Iona Island Naval Ammunition Depot, Rockland County, New York, Project Number – C02NY074403 – Final – 12 March 1998, Plate 15, Prepared by the U.S. Army Corps of Engineers, St. Louis District.

OE = Ordnance and Explosives



# NAD IONA ISLAND, NY – 1903 EXPLOSION & POTENTIAL EXTENT OF OE

## POTENTIAL CONTAMINATION AREA ON 2013 SATELLITE IMAGERY



2013May01\_USGS\_ortho\_data\_Iona.tif

A potentially-contaminated area derived from a 1903 ordnance explosion (shown in red – approximate alignment) derived from a 1998 Archives Search Report.<sup>1</sup>

1. Archives Search Report – Iona Island Naval Ammunition Depot, Rockland County, New York, Project Number – C02NY074403 – Final – 12 March 1998, Plate 15, Prepared by the U.S. Army Corps of Engineers, St. Louis District.

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# GLOSSARY



**AMMUNITION LIGHTER** – A non-propelled barge, sometimes hardened with concrete, used to transport various types of ordnance over open water..

**BUILDING** – A relatively permanent, usually box-like and roofed, man-made structure..

**DISTURBED GROUND** – A rough ground surface which has been cleared, overturned, dug up, filled and/or changed from the immediate environs in some manner for an unknown purpose.

**DUMP SITE** - A location on or below the ground surface that contains either refuse, residual materials, solid waste, or other discarded substances.

**FILL AREA** – An area where material, either earthen and/or non-earthen, has been deposited either for disposal, to cover or level the ground surface, or to eliminate a wet area.

**GROUND SCAR** - A surface, vegetated or unvegetated, where marks from a previous activity or feature, or from a subterranean feature are visible. Ground scars can result from many things and therefore vary greatly in appearance.

**MARSH** - A wetland that is dominated by herbaceous rather than woody plant species.

**MATERIAL** – A substance (usually non-liquid, if that distinction can be made) placed, bulldozed, graded, mixed, spread, etc. over an area.

**OBJECTS** – Features identified on historic aerial photography, presumed man-made, that cannot be clearly identified or otherwise described in great detail.

**OPEN STORAGE** – An open-air, outdoor area for storage of materials, supplies, vehicles, and/or equipment. May or may not be enclosed by a fence.

**STRUCTURE** – A man-made feature which cannot be classified as a building or shed. Something that is made up of a number of parts that are held or put together in a particular way



## SOURCES OF INFORMATION



Internet web sites: EarthExplorer (U.S. Geological Survey); [www.history.navy.mil](http://www.history.navy.mil) ; [www.navweaps.com](http://www.navweaps.com).  
National Archives, Archives I, Washington, D.C. ; data courtesy COE – St. Louis District (Archives Search Report backup material).  
National Archives at College Park, 8601 Adelphi Road, College Park, MD 20740-6001.  
National Geospatial-Intelligence Agency, Fort Belvoir, Springfield, VA 22150.  
Project Information and Retrieval System for FUDS – PIRS V 2.0 (web-based site).  
U.S. Army Corps of Engineers, New England District., 696 Virginia Road, Concord, MA 01742.  
U.S. Army Corps of Engineers, St. Louis District, 1222 Spruce Street, St. Louis, MO 63103.  
U.S. Army Geospatial Center, 7701 Telegraph Road, Alexandria, VA (Statement of Work).  
U.S. Geological Survey, EarthExplorer (Internet web-based site).  
U.S. Geological Survey, Historical Topographic Map Collection (Internet web-based site).