

Naval Air Station Banana River Off-Base Disposal Area

Project Approval and
Remedial Investigation/
Feasibility Study Presentation
August 12, 2020



US Army Corps
of Engineers®



Agenda

- Welcome and Introductions
- Process
- Preliminary Assessment and Photographic Analysis
- Current Plan
- What to Expect
- What We Need





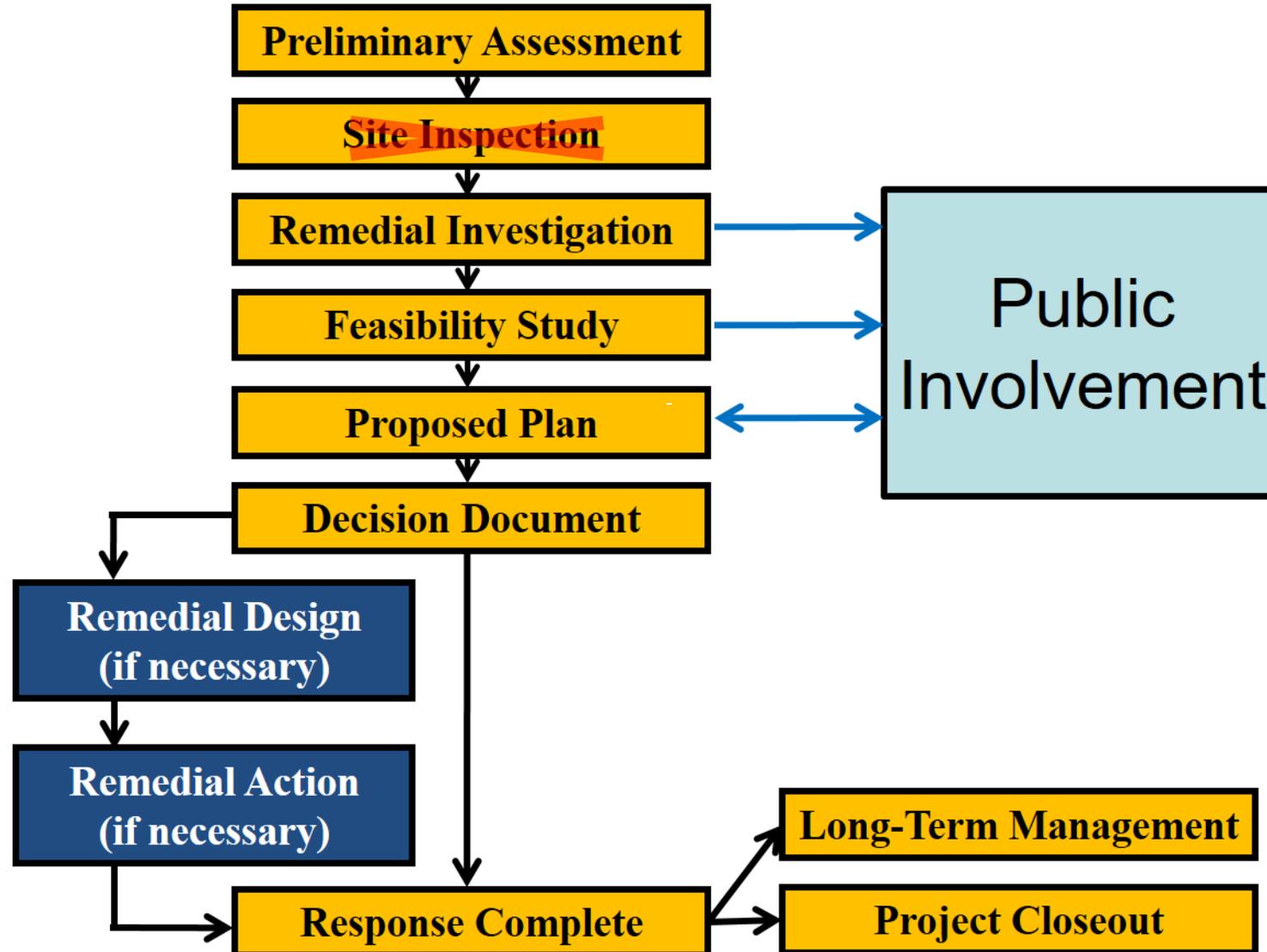
Formerly Used Defense Site Process

- Conduct an assessment of eligibility and submit Findings and Determination of Eligibility
- If property is eligible, conduct Preliminary Assessment
- Complete an Inventory Project Report for project approval
- Request funding for contract to conduct further investigation
- Follow Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)



CERLCA Process

Comprehensive Environmental Response, Compensation, and Liability Act





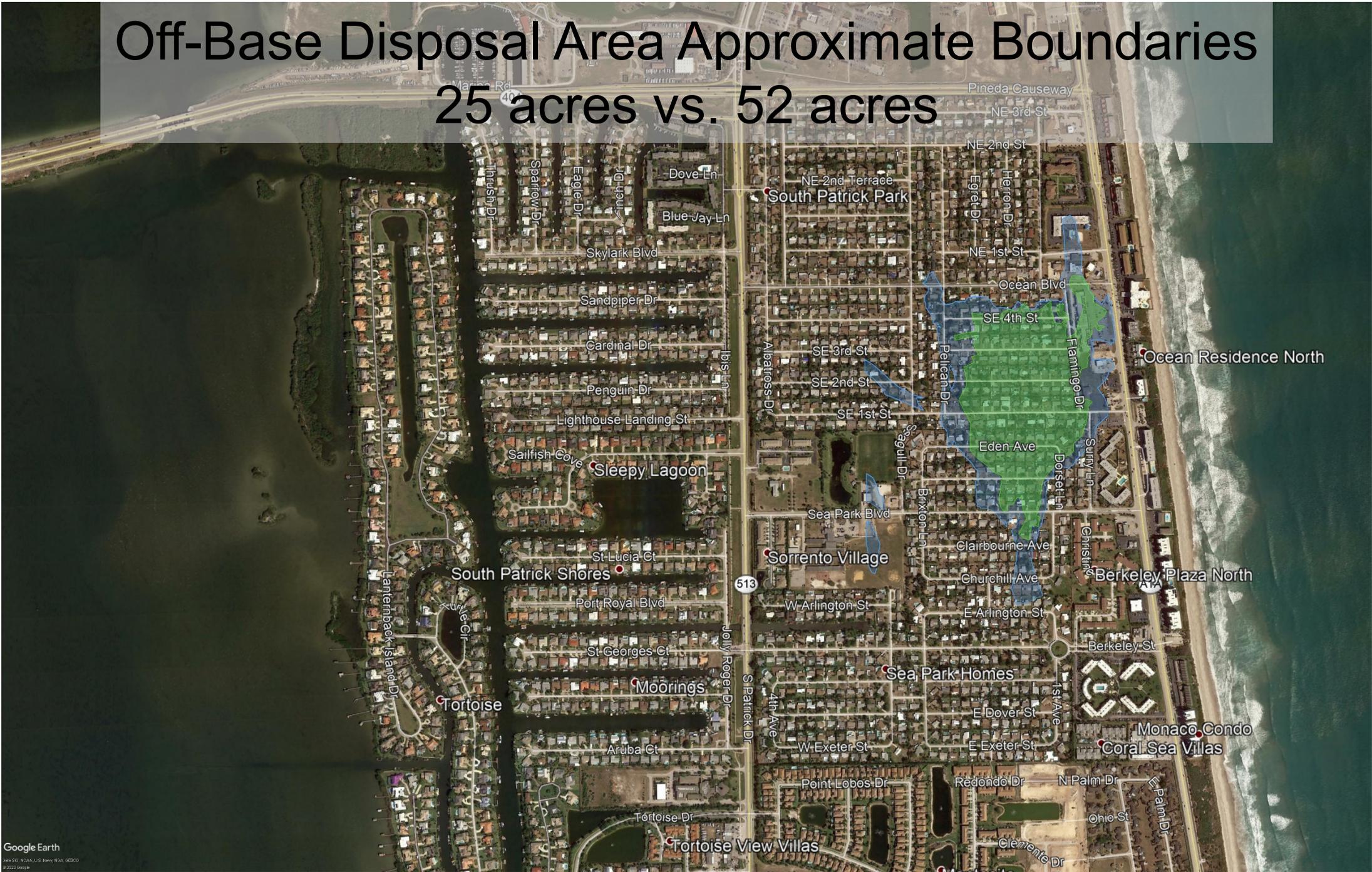
Preliminary Assessment Conclusions

- Navy disposed of solid waste off base from 1942 through 1947
- Navy's disposal operations concluded in February 1948
- Potential risk at Off-Base Disposal Area from Navy's activities
- Photographic interpretation indicates military activities may have impacted up to approximately 52 acres
- No evidence of munitions with explosive hazard
- Further investigations are warranted



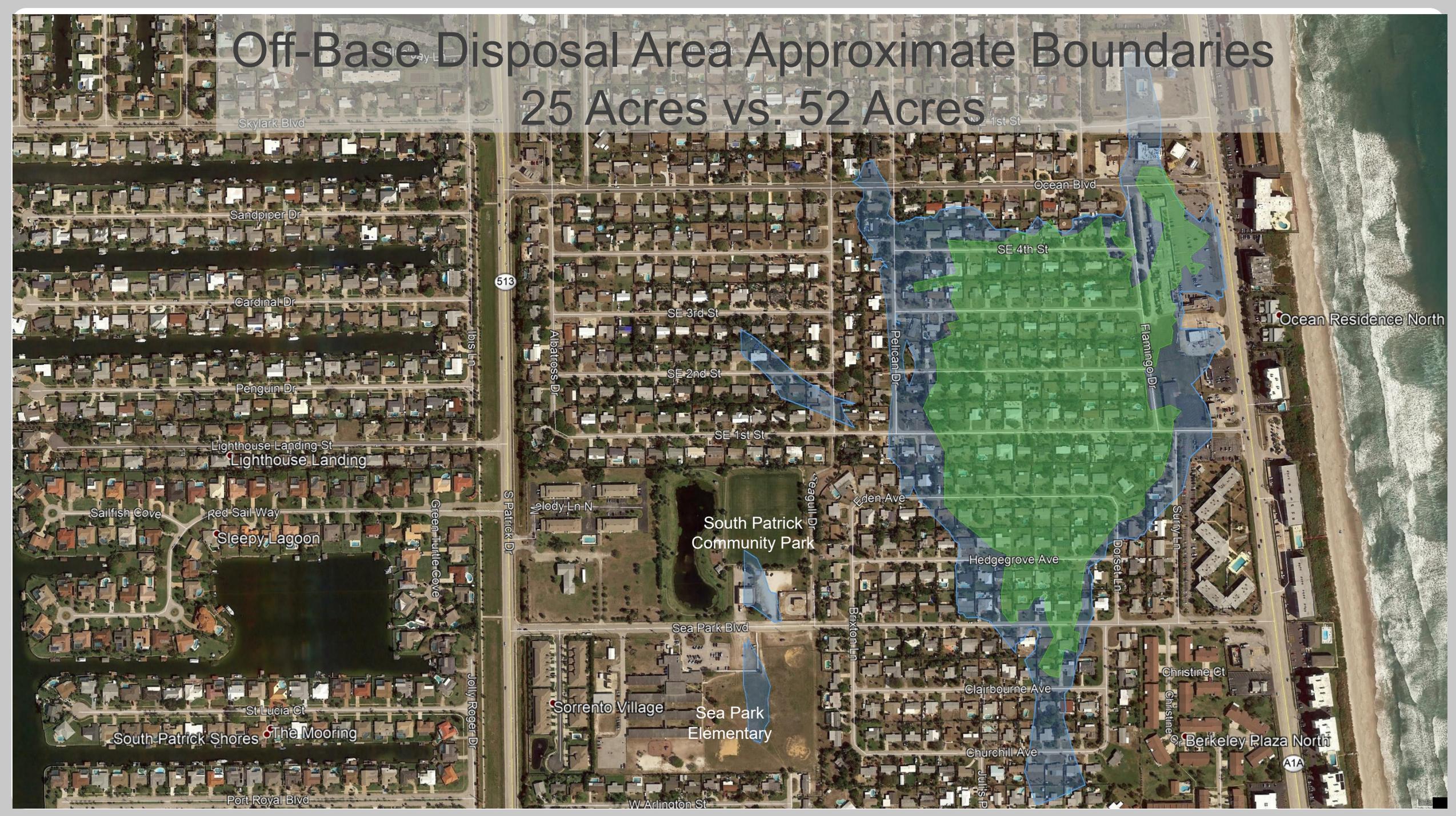
Off-Base Disposal Area Approximate Boundaries

25 acres vs. 52 acres



Off-Base Disposal Area Approximate Boundaries

25 Acres vs. 52 Acres



Skylark Blvd

Sandpiper Dr

Cardinal Dr

Penguin Dr

Lighthouse Landing St
Lighthouse Landing

Sailfish Cove

Red Sail Way

Sleepy Lagoon

St Lucia Ct

South Patrick Shores
The Mooring

Port Royal Blvd

513

Albatross Dr

SE 3rd St

SE 2nd St

SE 1st St

S Patrick Dr

Melody Ln N

South Patrick
Community Park

Sea Park Blvd

Sorrento Village

Sea Park
Elementary

W Adington St

1st St

Ocean Blvd

SE 4th St

Pelican Dr

Fleming Dr

Seagull Dr

Den Ave

Hedgegrove Ave

Surry Ln

Dorset Ln

Brixton Ln

Clairbourne Ave

Churchill Ave

Julia's P

Christine Ct

Christine

Berkeley Plaza North

A1A

Ocean Residence North



Historic Photographic Analysis



Naval Air Station Banana River Off-Base Disposal Area



Historical Photographic Analysis – Special Report



Source: National Archives at College Park, 1947/04/15.

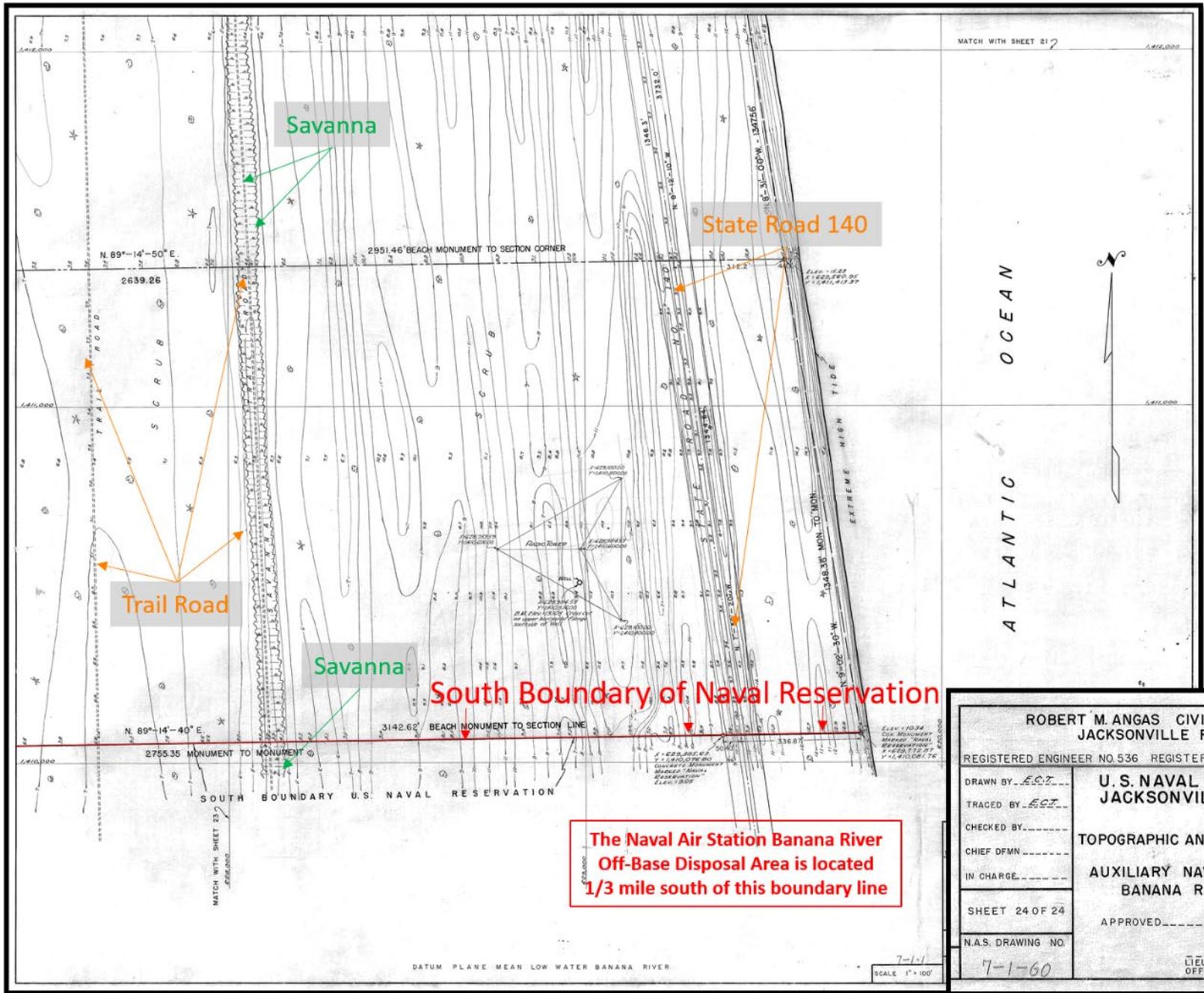
U.S. Army Corps of Engineers
Army Geospatial Center
Warfighter Support Directorate
Hydrologic & Environmental Analysis Branch
Environmental Analysis Group
7701 Telegraph Road
Alexandria, Virginia 22315-3864

Final Report
January 2020

Prepared for the U.S. Army Corps of Engineers, Jacksonville District

The complete Historic Photographic Analysis is Appendix O of the Preliminary Assessment.





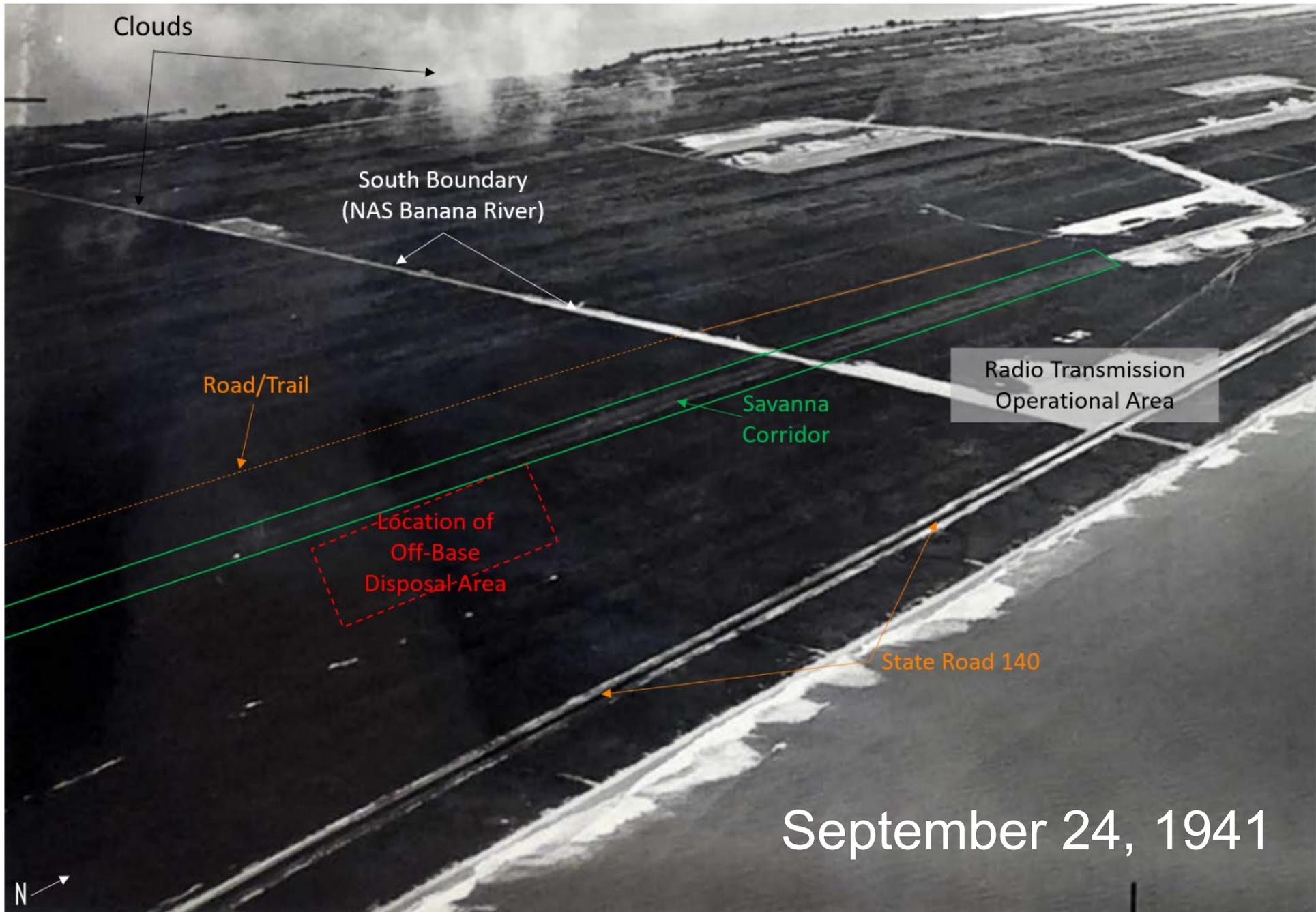
ROBERT M. ANGAS CIVIL ENGINEER JACKSONVILLE FLORIDA REGISTERED ENGINEER NO. 536 REGISTERED LAND SURVEYOR NO. 25	
DRAWN BY <u>E.C.T.</u> TRACED BY <u>E.C.T.</u> CHECKED BY _____ CHIEF DFNM _____ IN CHARGE _____	U.S. NAVAL AIR STATION JACKSONVILLE FLORIDA TOPOGRAPHIC AND BOUNDARY SURVEY OF AUXILIARY NAVAL AIR STATION BANANA RIVER, FLORIDA
SHEET 24 OF 24 N.A.S. DRAWING NO. 7-1-60	APPROVED _____ LIEUT-COMMANDER (C.E.S.) U.S.N. OFFICER IN CHARGE OF CONSTRUCTION

**The Naval Air Station Banana River
Off-Base Disposal Area is located
1/3 mile south of this boundary line**

DATUM PLANE MEAN LOW WATER BANANA RIVER

7-1-1
SCALE 1" = 100'







February 9, 1943

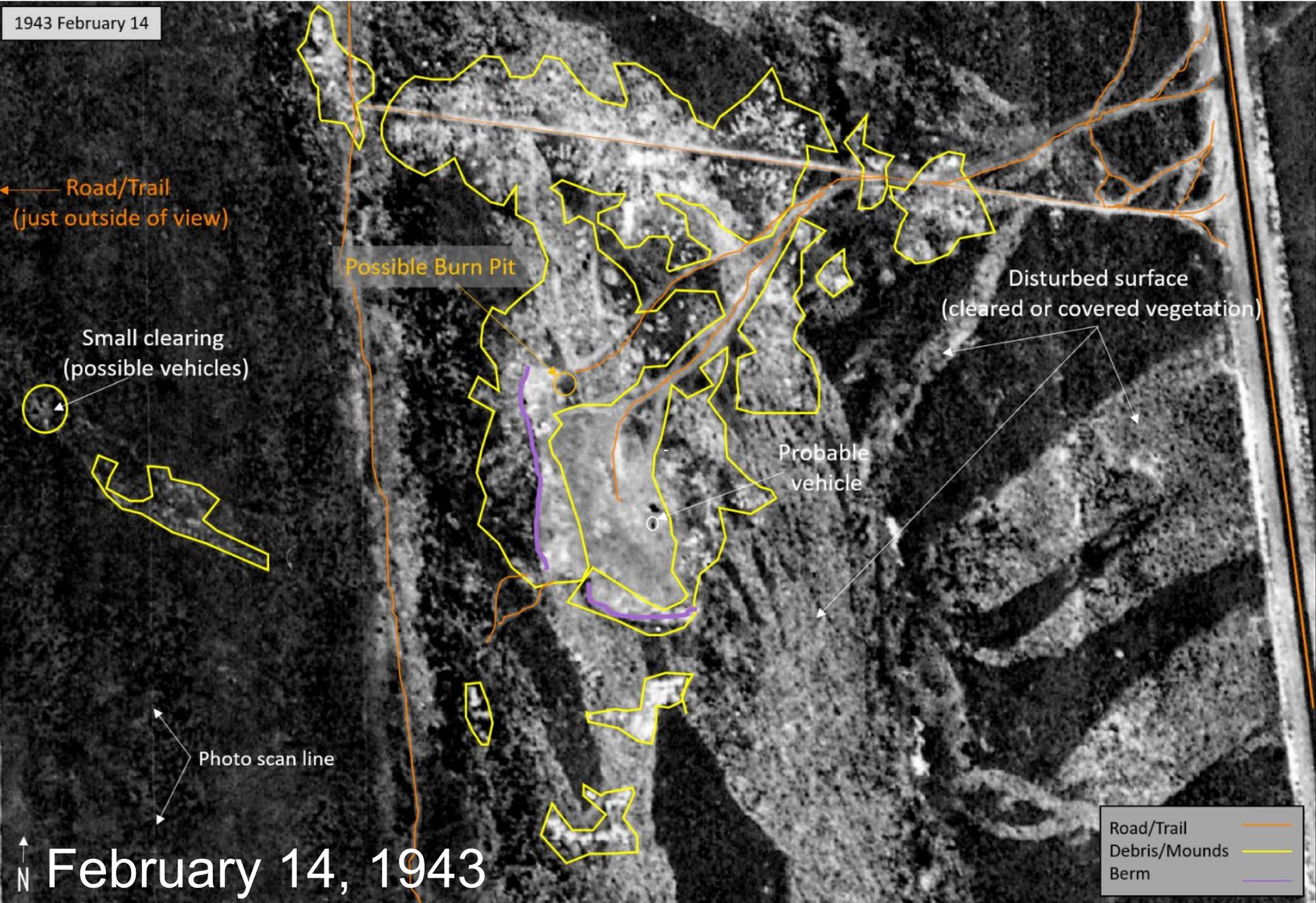
1943 February 09





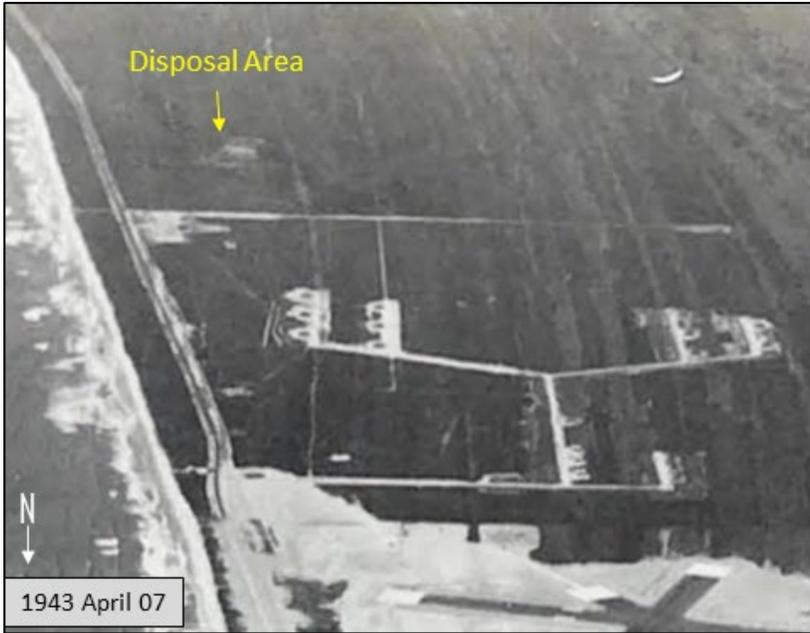
February 14, 1943







April 7, 1943



June 19, 1943

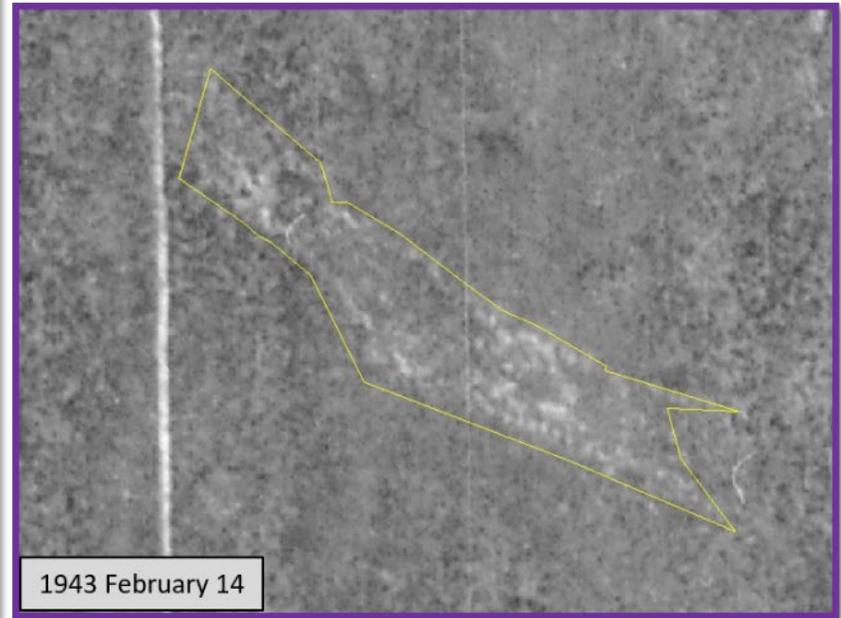
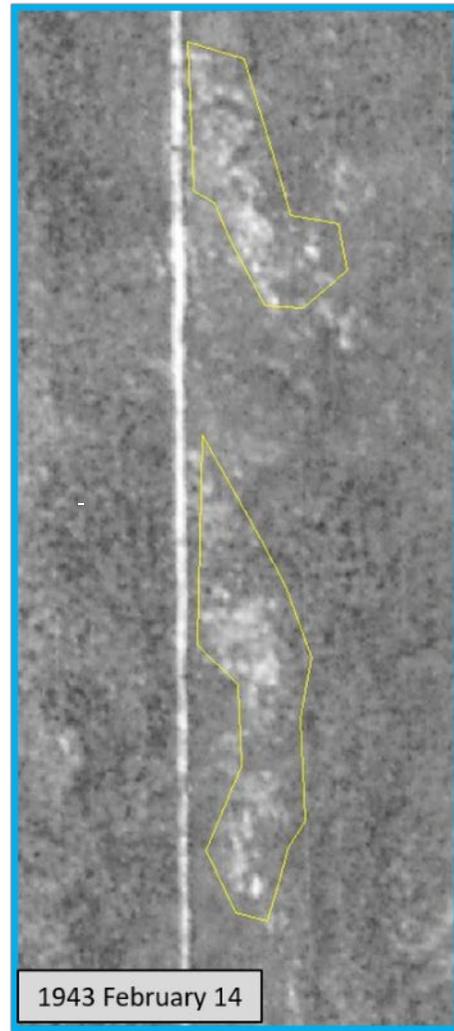


Active burning with visible smoke plume in the disposal area in the 19 June 1943 oblique image.



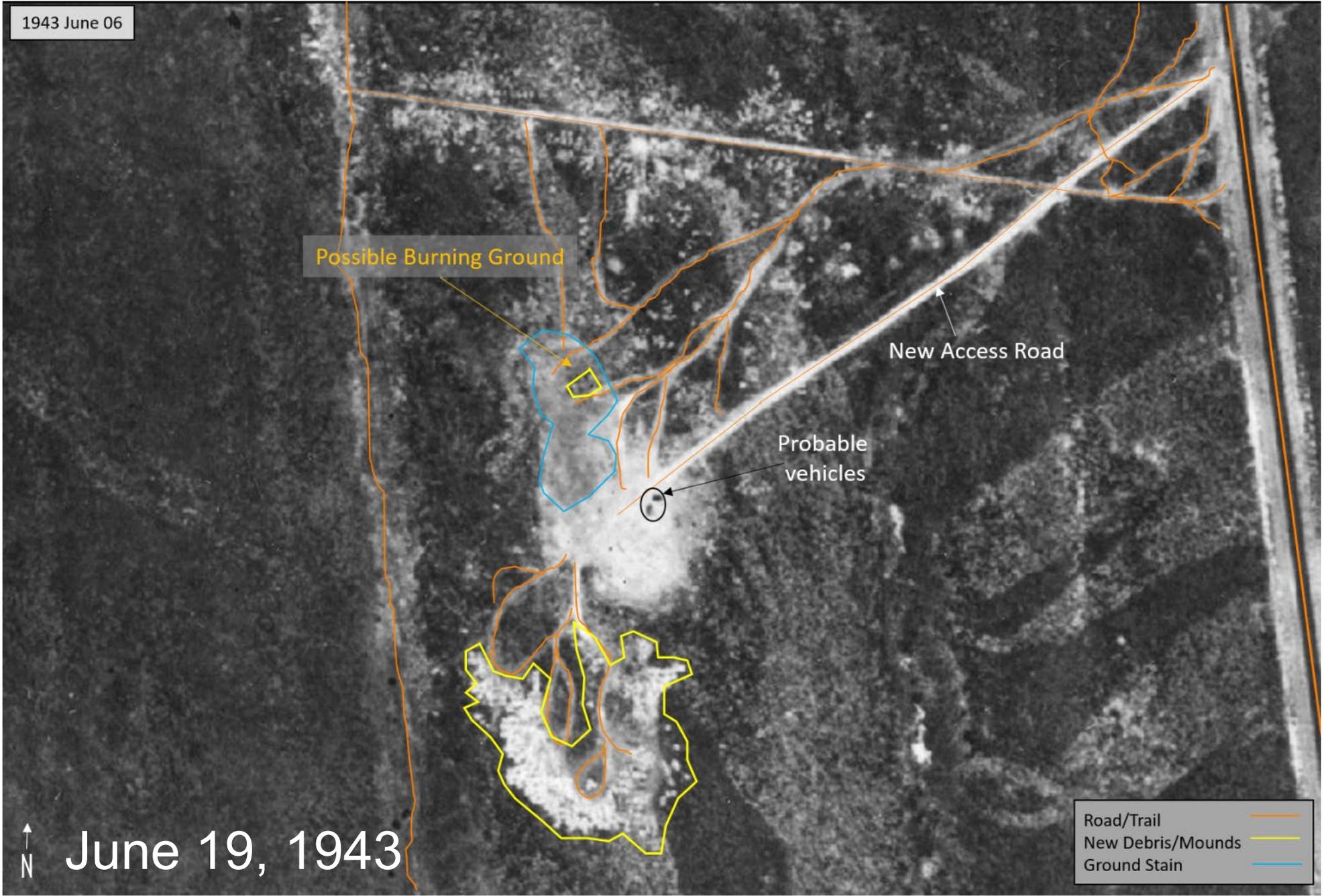


June 19, 1943





1943 June 06



Possible Burning Ground

New Access Road

Probable vehicles



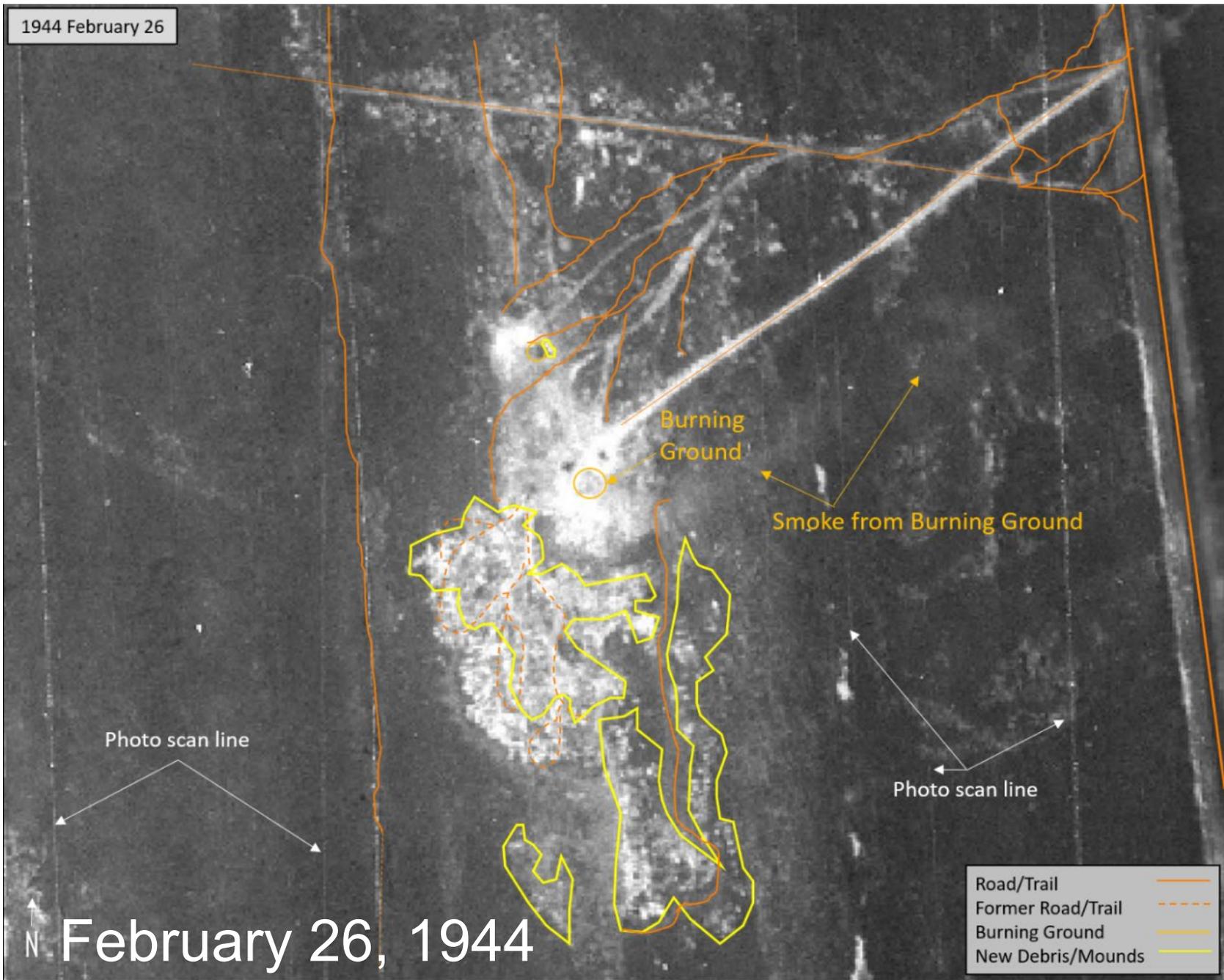
June 19, 1943

- Road/Trail — orange line
- New Debris/Mounds — yellow line
- Ground Stain — blue line





1944 February 26



Burning Ground

Smoke from Burning Ground

Photo scan line

Photo scan line

N February 26, 1944

- Road/Trail ————
- Former Road/Trail - - - -
- Burning Ground ————
- New Debris/Mounds ————



1945 October 10

Photo defect

New Access Roads

Warp from georectification method

- Road/Trail ———
- Former Road/Trail - - - -
- New Debris/Mounds ———
- Berm ———

↑ N October 10, 1945

Negative (color inversion)

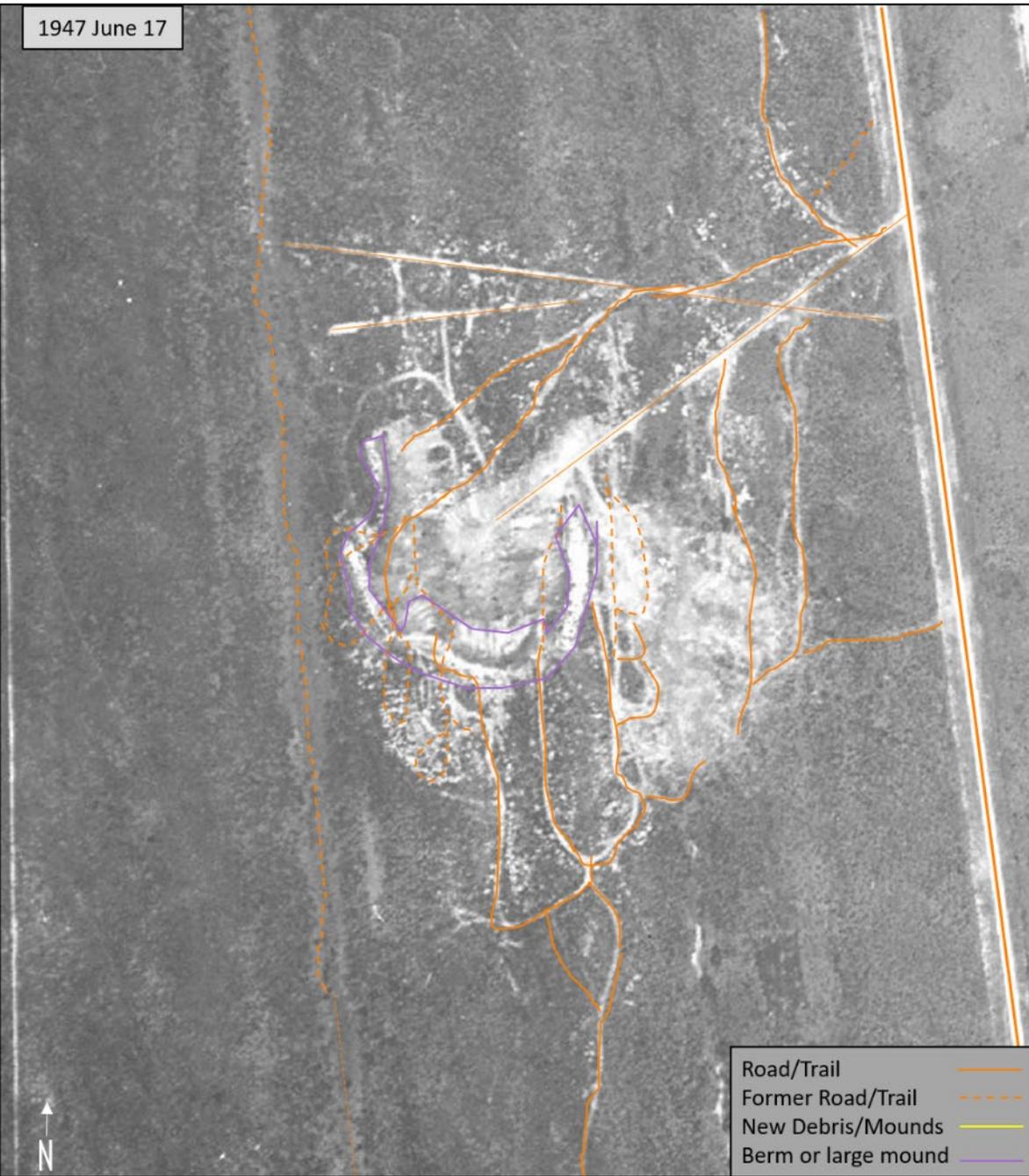




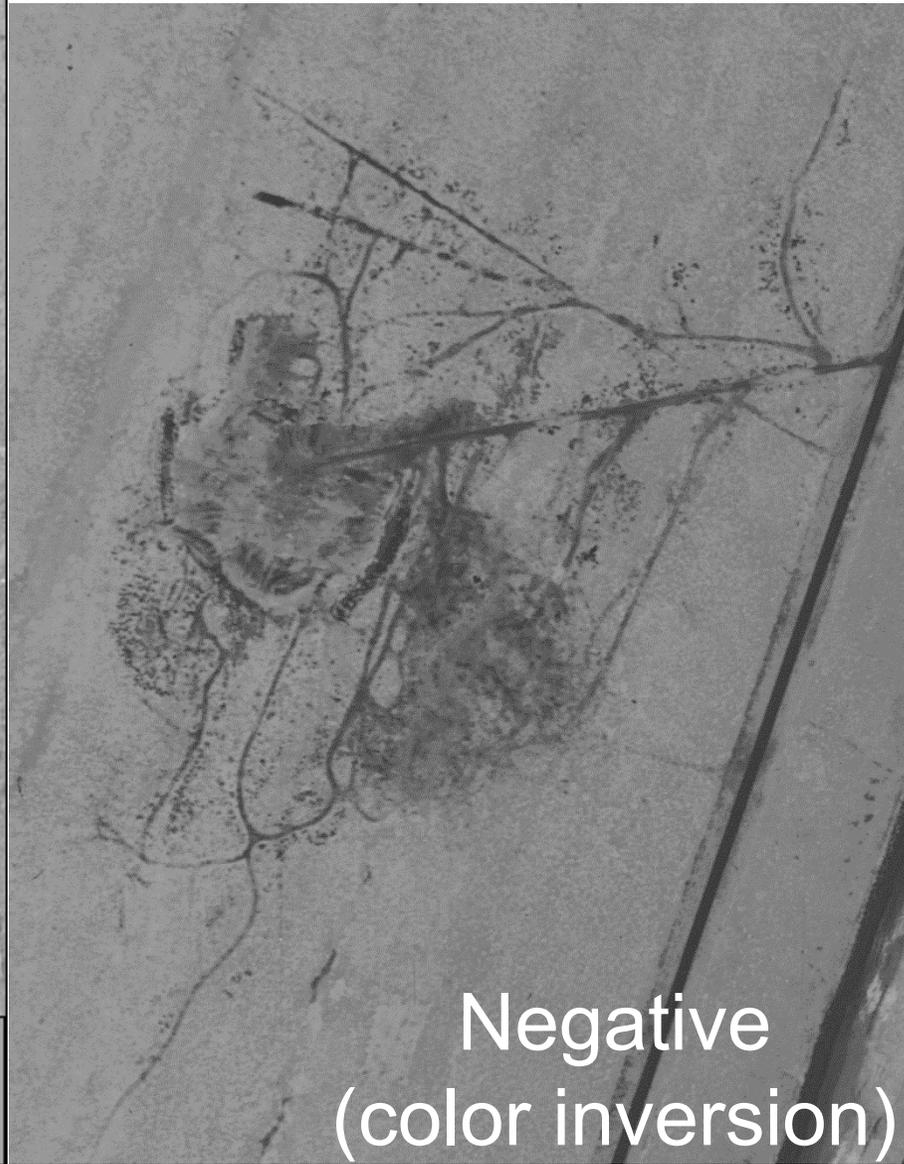
November 6, 1945



1947 June 17

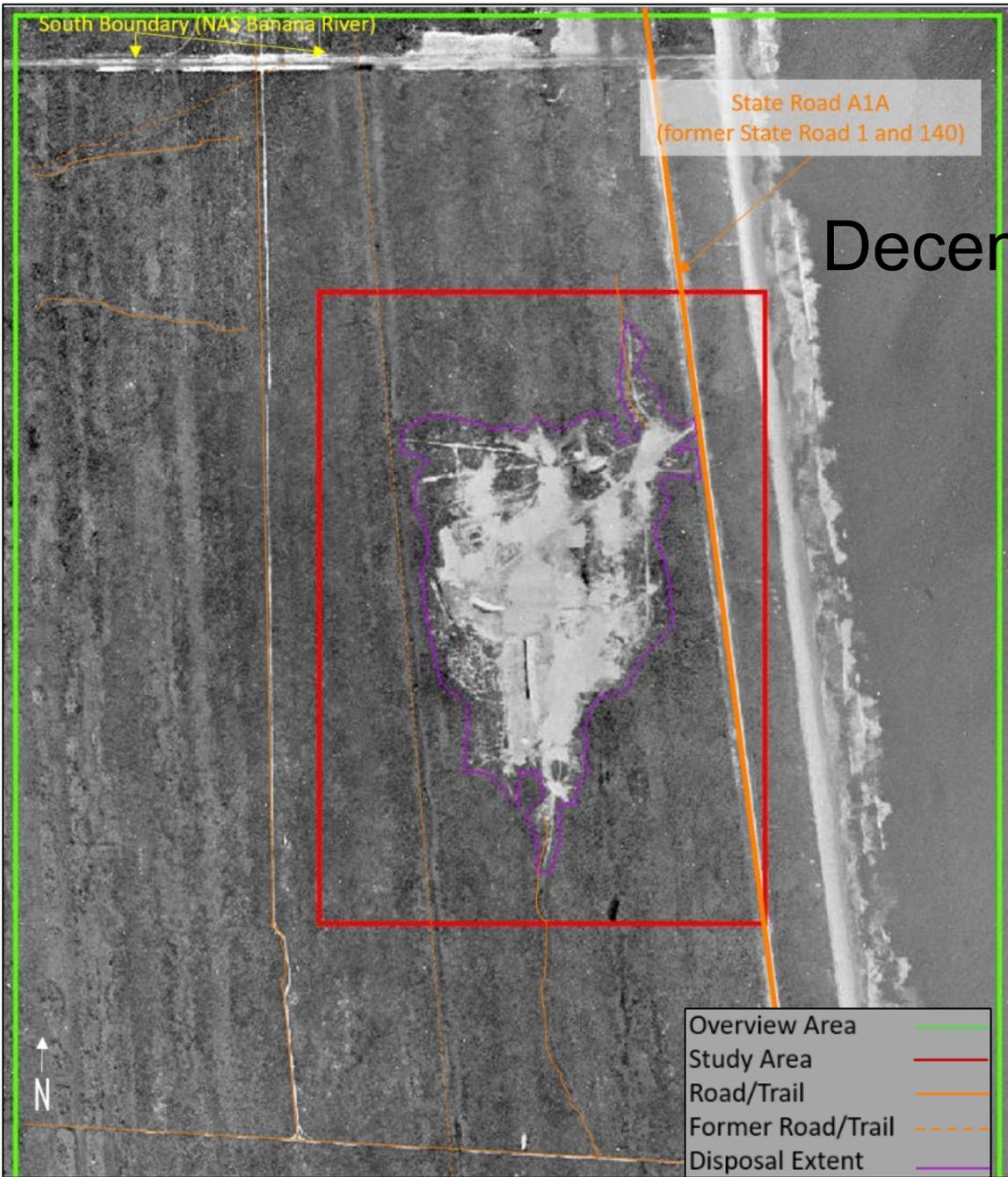


June 17, 1947



Negative
(color inversion)





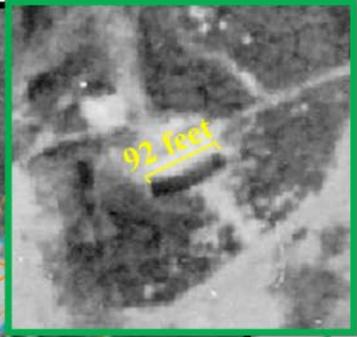


1947 December 08

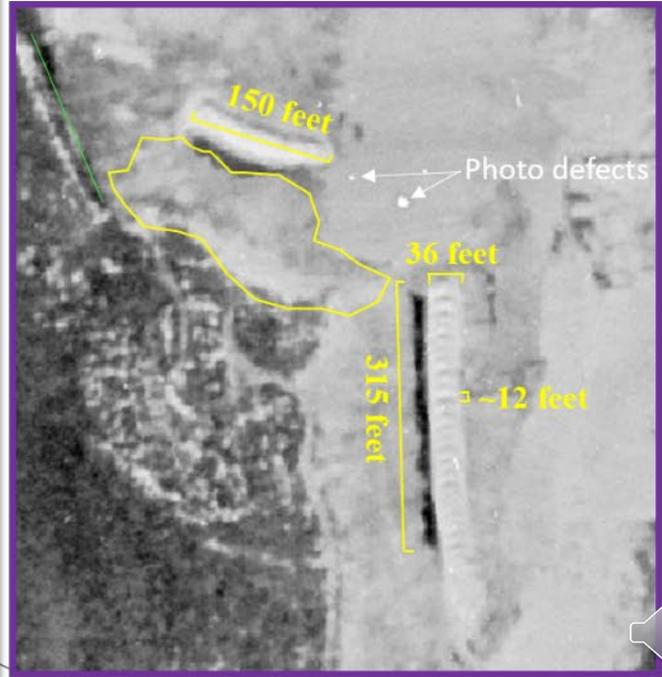


Negative
(color inversion)

Road/Trail	— (solid orange line)
Former Road/Trail	- - - (dashed orange line)
New Debris/Mounds	— (solid yellow line)
Former berm or large mound	- - - (dashed purple line)
Trench	— (solid green line)
Graded/Filled land	— (solid blue line)



December 8, 1947

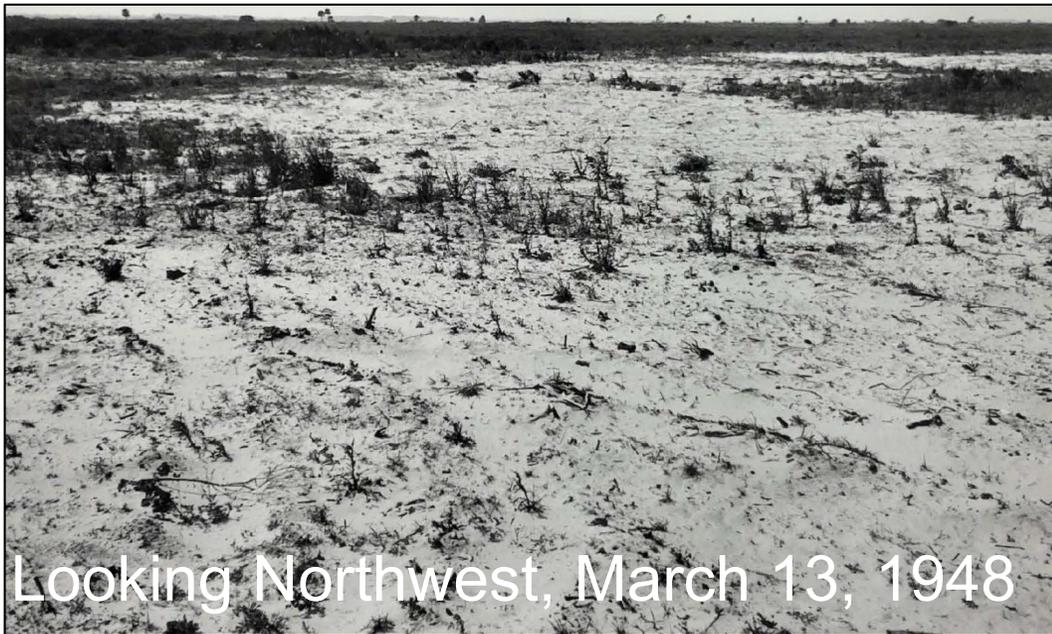




Looking East, March 13, 1948



Looking Southeast, March 13, 1948



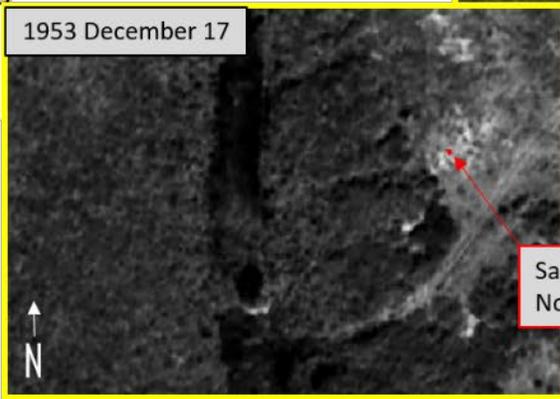
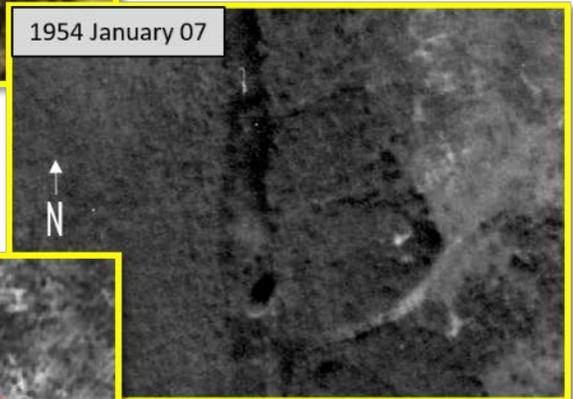
Looking Northwest, March 13, 1948



Looking East, March 13, 1948



November 7, 1954

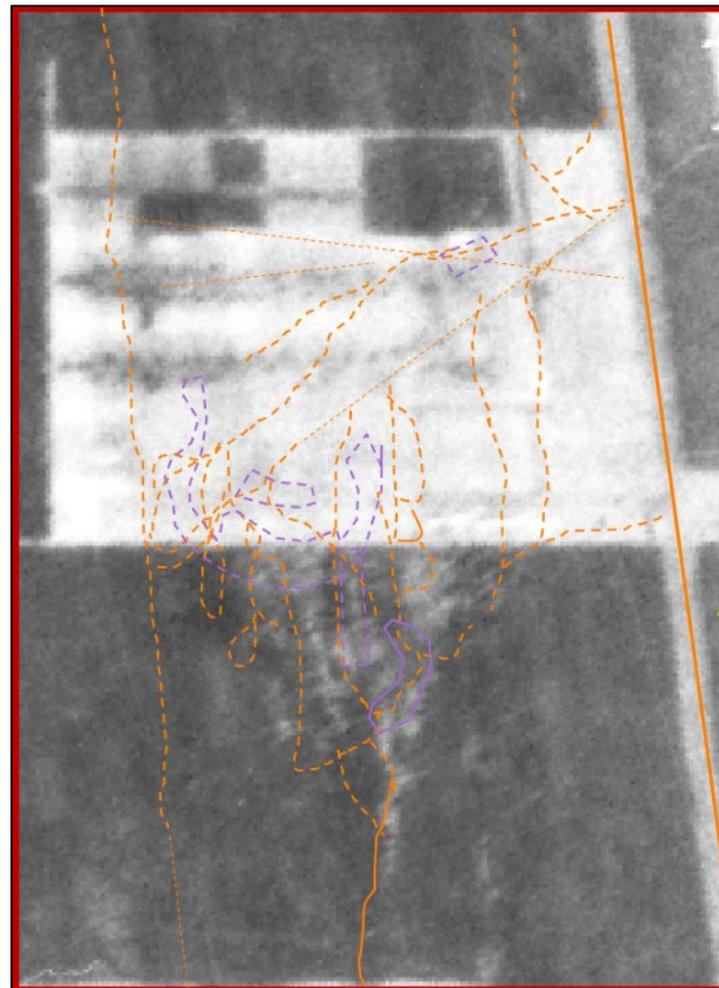


Sample 55 gallon drum (drawn to scale).
Not an actual drum in photograph.

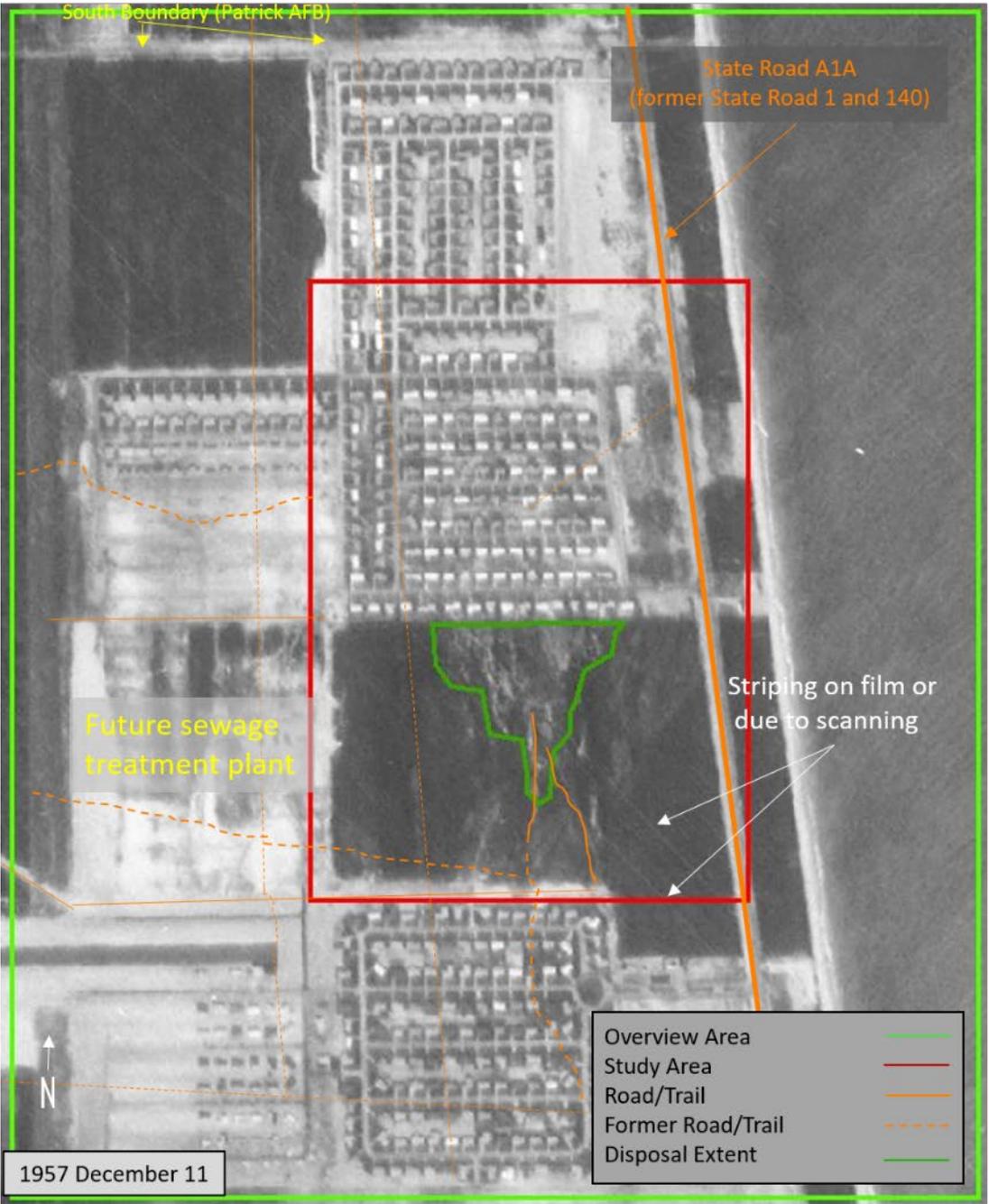
Note: This photo was not rectified for this report, so orientation is approximate.



February 11, 1956



December 11, 1957





October 8, 1961





Remedial Investigation/Feasibility Study Process



- Prepare documents to issue Request for Proposal
- Evaluate proposals and select contractor
- Request rights-of-entry from property owners
- Develop Work Plan
- Once Work Plan reviews are complete, begin fieldwork
- Analyze data and prepare report
- Present the Proposed Plan
- Sign the Decision Document





What We Need

Permission to Investigate Properties within Study Area –Signed Right-of-Entry Form

DEPARTMENT OF THE ARMY RIGHT-OF-ENTRY FOR ENVIRONMENTAL ASSESSMENT AND RESPONSE

Defense Environmental Restoration Program,
Site Number: I04FL0027
Project, Installation or Activity

NAS Banana River Off-Base Disposal Area, Brevard County, Florida
Tract Number or Other Property Identification

The undersigned, herein called the "Owner," in consideration for the mutual benefits of the work described below and in Exhibit A attached hereto and incorporated herein by reference ("Premises"), hereby grants the UNITED STATES OF AMERICA, hereinafter called the "Government," a right-of-entry upon the following terms and conditions:

1. The Owner hereby grants to the Government the right to enter in, on, over and across the land described in Paragraph 5, for use by the United States, its representatives, agents, and contractors, and assigns, at no cost, liability or expense to Owner, as a work area for environmental investigation and response. The work to be performed by the Government may include, but is not limited to, surveying with a metal detector or other instrument for evidence of the presence of military-related debris, removal of selected anomalies/objects, and obtaining environmental samples. Said right-of-entry shall remain in effect until the completion of this work or by December 31, 2022, whichever is first, at which time this Right-of-Entry Agreement will expire automatically.
2. All tools, equipment, and other property taken upon or placed upon the land by the Government shall remain the property of the Government and will be removed by the Government upon completion of the work or prior to the expiration of this Agreement, whichever is earlier. The Government will coordinate with the property owner at least two weeks prior to fieldwork mobilization.





What to Expect

- Search property with a variety of tools
 - Digital Geophysical Mapping equipment
 - Ground Penetrating Radar
- Collect soil and groundwater samples
- Will minimize impact to property and residents
 - Notify community before teams begin fieldwork
 - Door hanger prior to work on individual property
 - Fill in holes and repair any damage to landscaping





What to Expect

- Close coordination among agencies
 - Florida Department of Environmental Protection
 - Brevard County
- Specific details about schedule and fieldwork process after contract is awarded and rights-of-entry received
- Communication throughout
 - Letters
 - Email
 - Meetings
 - Website



Timeline

- Findings and Determination of Eligibility (signed August 24, 2019)
- Preliminary Assessment (finalized April 23, 2020)
- Inventory Project Report (signed July 25, 2020)
- Scoping Remedial Investigation/Feasibility Study (now)



**US Army Corps
of Engineers**

Defense Environmental Restoration Program
For
Formerly Used Defense Sites

PRELIMINARY ASSESSMENT

Naval Air Station Banana River
Off-Base Disposal Area



DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION
60 FORSYTH STREET SW, ROOM 10M15
ATLANTA, GA 30303-8801

CESAD-PDM

25 July 2020

MEMORANDUM FOR COMMANDER, JACKSONVILLE DISTRICT (CESAJ-PM-M /
Michael A. Ornella)

SUBJECT: Approval of Defense Environmental Restoration Program - Formerly Used
Defense Sites (DERP-FUDS) Inventory Project Report (INPR) for Naval Air Station
Banana River Off-Base Disposal Area, South Patrick Shores, Brevard County, Florida,
FUDS Property No. I04FL0027

1. Reference memorandum, CESAJ-PM-M, received 02 July 2020; and associated
eligibility and project inventory enclosures. SUBJECT: Defense Environmental
Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory
Project Report (INPR) for Naval Air Station Banana River Off-Site Disposal Area, South
Patrick Shores, Brevard County, Florida, Property No. I04FL0027.

2. South Atlantic Division (SAD) approves the submitted INPR to create one (1) new



Timeline*

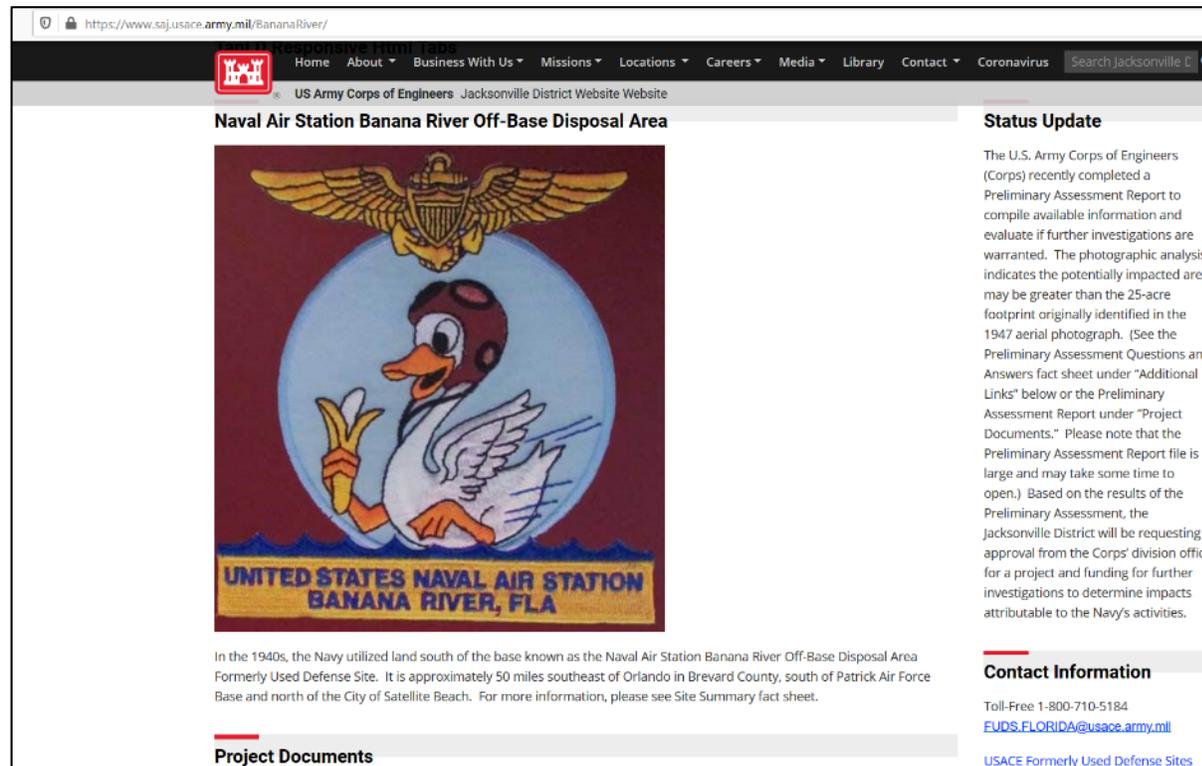
- Once Corps' headquarters approves funding, will issue Request for Proposals and contract award
- Request rights-of-entry and prepare/coordinate Work Plan
- Conduct fieldwork
- Send results letters
- Prepare report
- Proposed Plan
- Decision Document(s)

** We cannot establish a schedule with dates prior receiving funding and awarding a contract.*



For More Information

- Visit: www.saj.usace.army.mil/BananaRiver
- Call: 800.710.5184 
- Email: FUDS.Florida@usace.army.mil 



Responsive HTML Ads

Home About Business With Us Missions Locations Careers Media Library Contact Coronavirus Search Jacksonville FL

US Army Corps of Engineers Jacksonville District Website Website

Naval Air Station Banana River Off-Base Disposal Area



Status Update

The U.S. Army Corps of Engineers (Corps) recently completed a Preliminary Assessment Report to compile available information and evaluate if further investigations are warranted. The photographic analysis indicates the potentially impacted area may be greater than the 25-acre footprint originally identified in the 1947 aerial photograph. (See the Preliminary Assessment Questions and Answers fact sheet under "Additional Links" below or the Preliminary Assessment Report under "Project Documents." Please note that the Preliminary Assessment Report file is large and may take some time to open.) Based on the results of the Preliminary Assessment, the Jacksonville District will be requesting approval from the Corps' division office for a project and funding for further investigations to determine impacts attributable to the Navy's activities.

Contact Information

Toll-Free 1-800-710-5184
FUDS.FLORIDA@usace.army.mil
 USACE Formerly Used Defense Sites

Project Documents



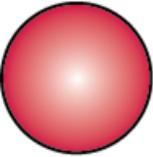
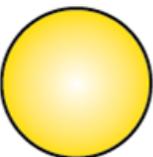
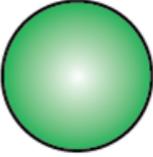


Remember the 3Rs

Recognize – The item you found may be dangerous

Retreat – Leave it where it is, do not touch it and leave the area

Report – Call 911 and report what you found

 **R**ecognize  **R**etreat  **R**eport

