



Northeast Florida Regional Council
Military Installation Readiness Review

Technical Advisory Committee

January 22, 2026

Jacobs

Technical Advisory Committee Mission

- To discuss relevant topics, provide expert opinion, follow up questions on assessment and adaptation, review preliminary findings and foster the identified outcomes toward implementation.



Agenda

- 2:00 pm** Welcome and Introductions/Project Status
- 2:15 pm** Methodology Overview
- 2:40 pm** Overview of Preliminary Vulnerability Assessment Results
- Vulnerability Results by Asset Class
 - NS Mayport Risk to Mission Results
 - MCSF Blount Island Risk to Mission Results
 - Camp Blanding JTF Risk to Mission Results
 - NAS Jacksonville Risk to Mission Results
- 3:50 pm** Next Steps & Questions

Today's Objectives:

- Review vulnerability assessment methodology
- Review and confirm preliminary results of vulnerability assessment

Welcome & Introductions



Introductions

Project Status





The purpose of the MIRR is to identify the risks, hazards, and vulnerabilities of concern as it relates to the ability of the military to carry out its missions on the installation that could be mitigated through investments and solutions ***outside the fence line in the community.***



Project Timeline

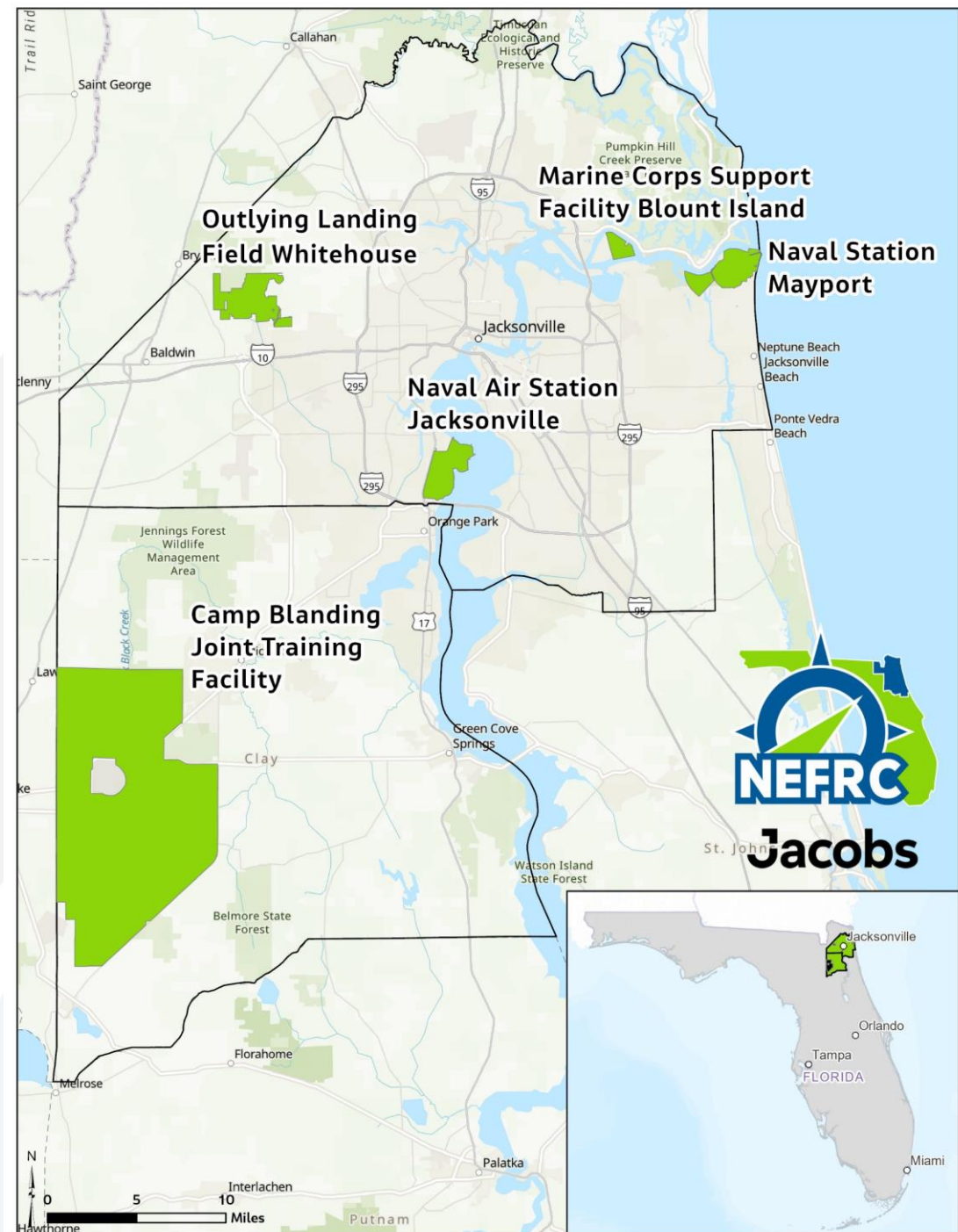


Methodology Overview

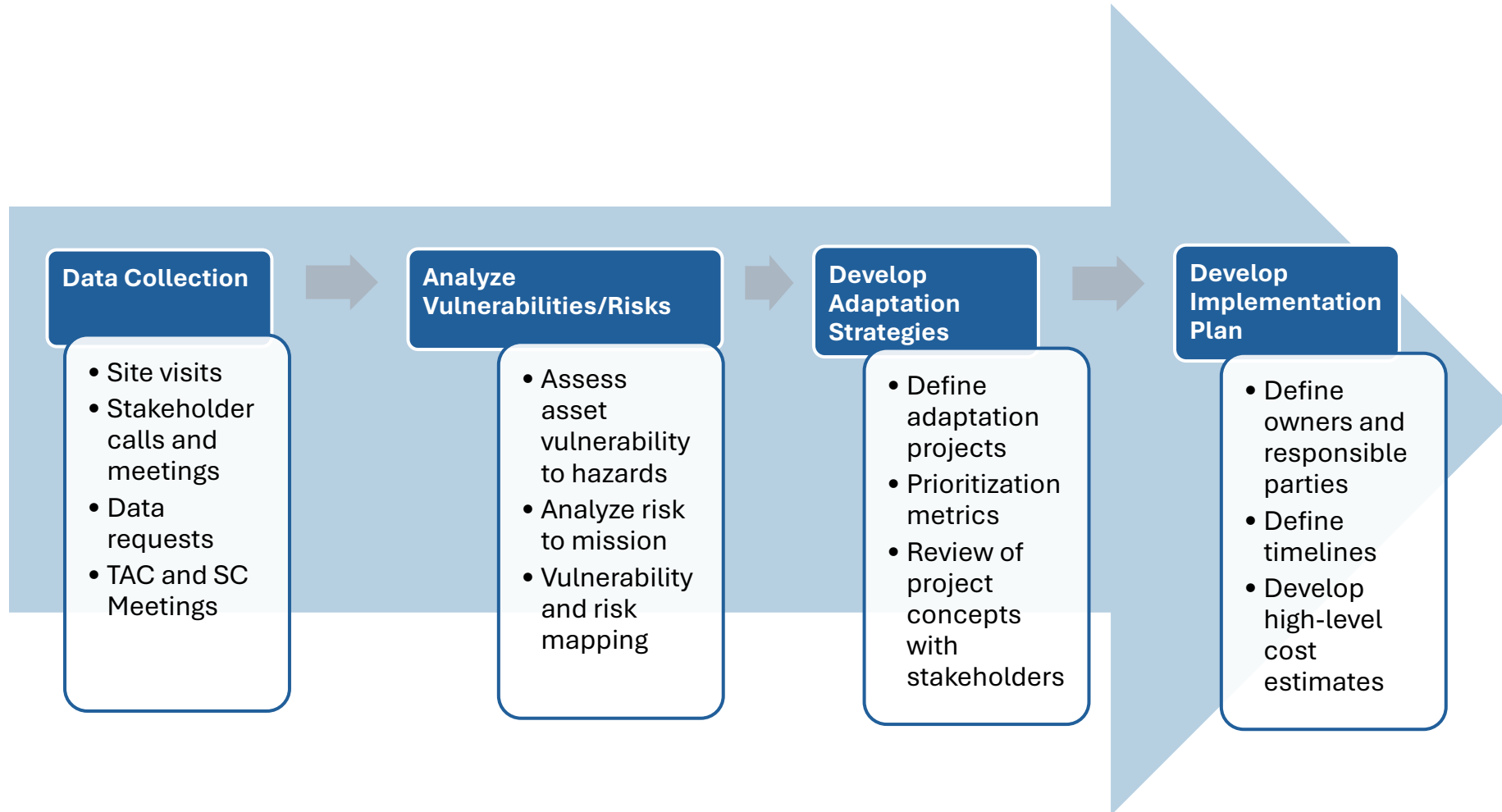


Study Area Boundary

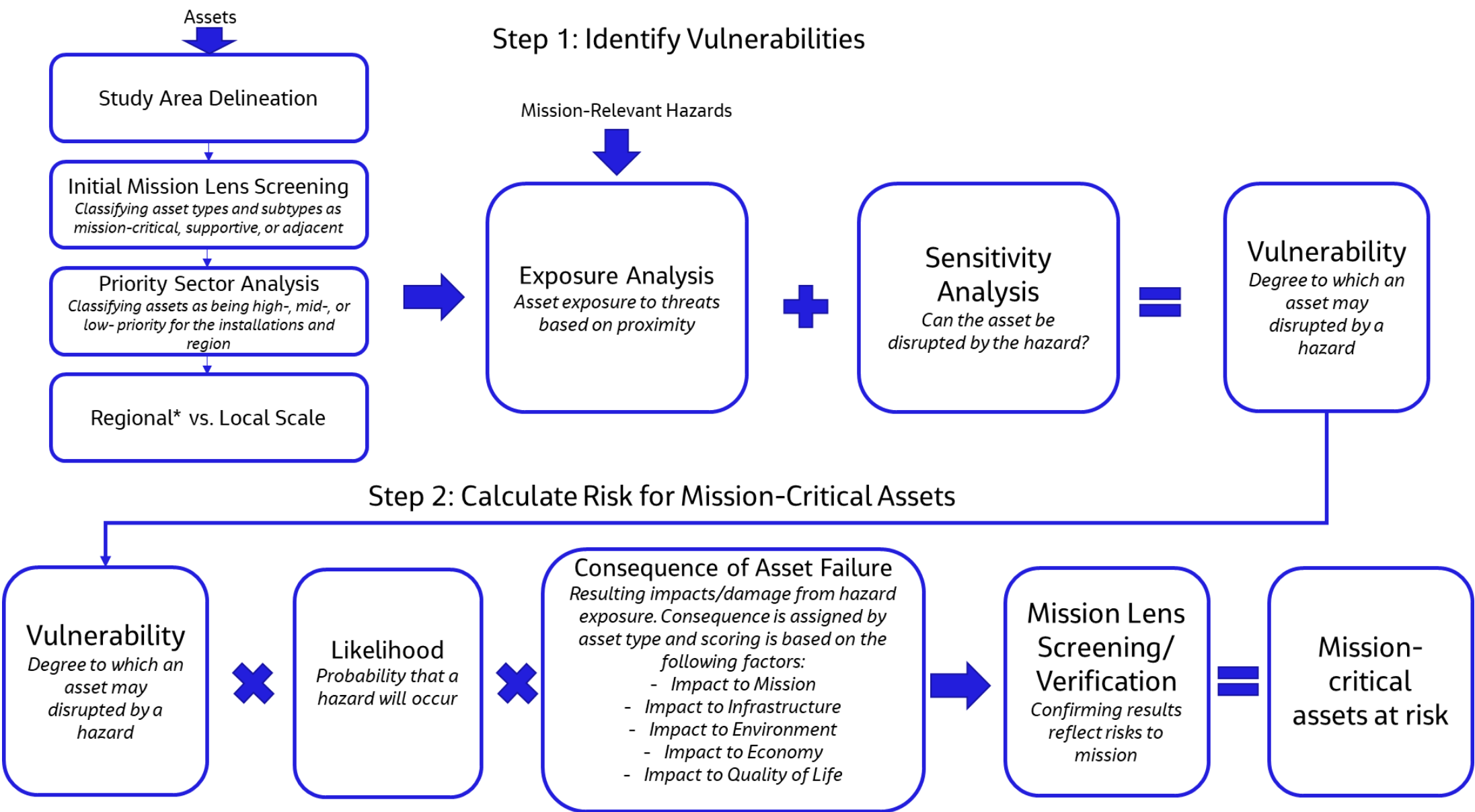
The study area boundary defines the area that will be reviewed by the MIRR vulnerability assessment and subsequent adaptation strategies and projects. It includes hazards and mission-critical assets



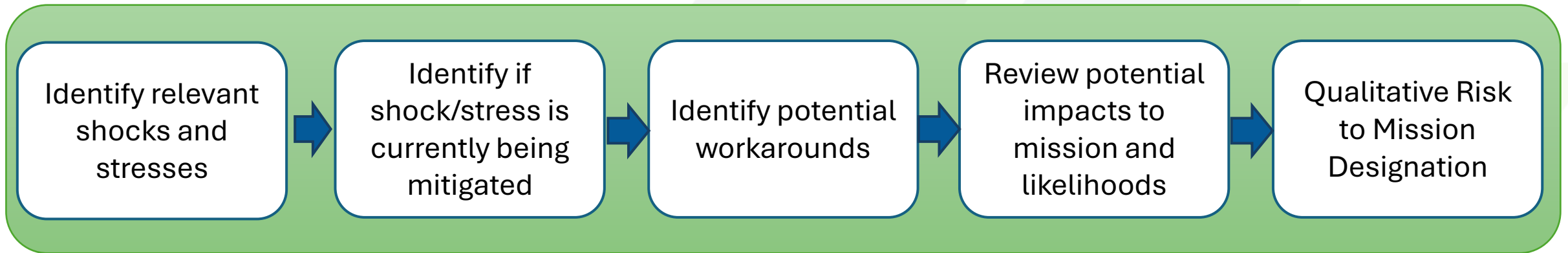
Project Methodology



MIRR Vulnerability Assessment Methodology – Physical Infrastructure/ Assets



MIRR Vulnerability Assessment Methodology – Qualitative Review



Mission-Critical Lens – Assets - Definitions

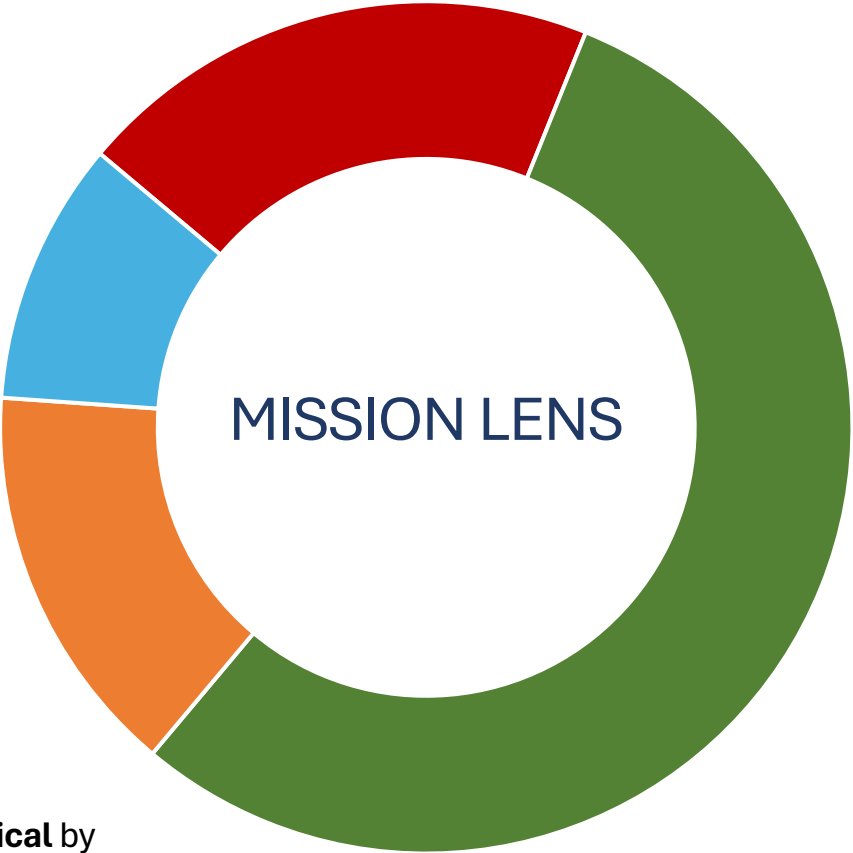


PRIMARY MISSION-CRITICAL ASSETS

- **Directly support the installation’s primary mission**
(failure/outage/disruption causes unacceptable disruption to mission operations)
- Specifically identified as **mission-critical** by installation
- Custom to each installation
- Local scale

SECONDARY MISSION-CRITICAL ASSETS

- **Directly support the installation’s secondary mission**
(failure/outage/disruption causes unacceptable disruption to mission operations)
- Specifically identified as **mission-critical** by installation
- Custom to each installation
- Local scale



MISSION-SUPPORTIVE ASSETS

- **Indirectly support the installation’s missions** (failure/outage/disruption causes inconvenience to mission operations, but short-term workarounds keep operations going)
- Identified as supportive for high-performing operations by installation and community stakeholders
- Local or regional scale



ADDITIONAL VULNERABILITIES

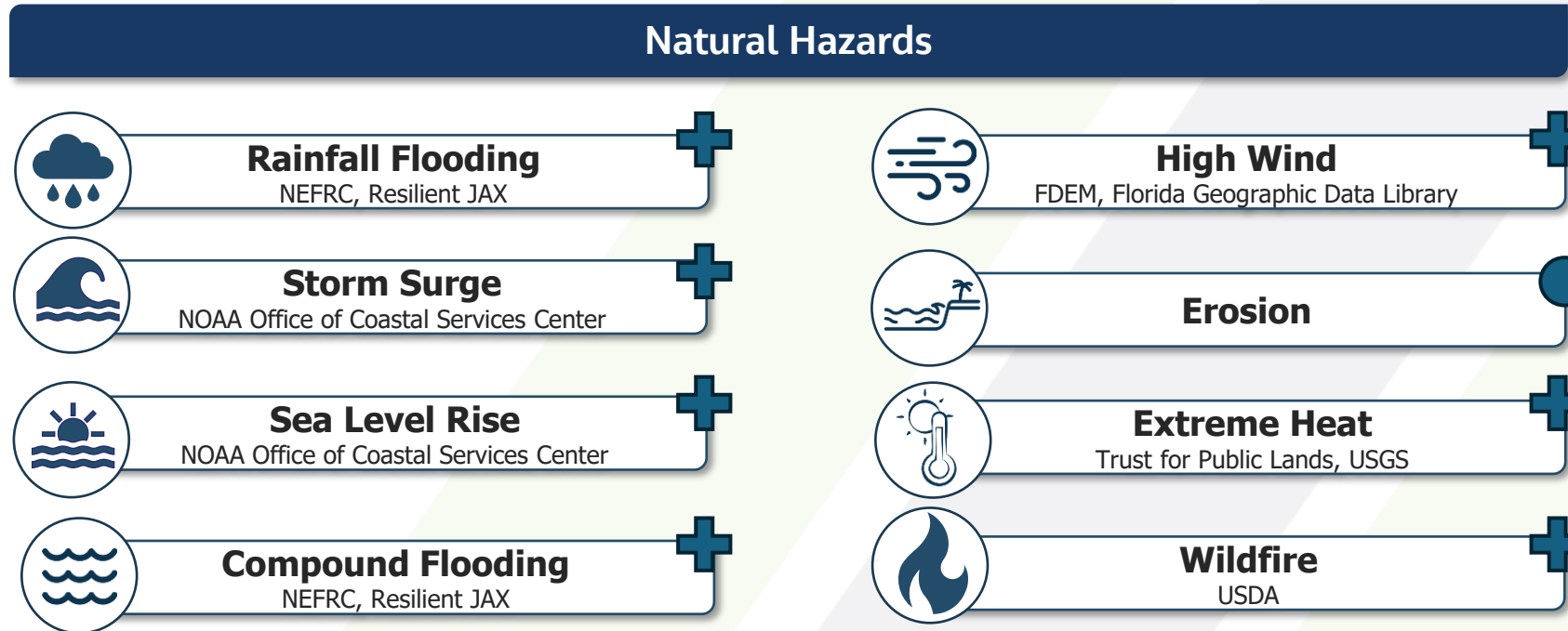
- Any additional vulnerabilities noted by stakeholders to natural, social, and economic infrastructure, or inside the fenceline

ADJACENT INFRASTRUCTURE

- Not relevant to installation but within study area



Threats and Hazards – Natural Hazards



-  Quantitatively assessed
-  Qualitatively reviewed
-  Not analyzed or reviewed in MIRR VA

Threats and Hazards – Other Shocks and Stresses

Physical Infrastructure & Services

-  Increasing Demands on Infrastructure (Capacity) ●
-  Infrastructure Age ●
-  Lack of Redundancy ●
-  Transportation Congestion ●

Encroachment

-  Light Pollution ●
-  Land Development ●
-  Airspace Congestion ⓧ
-  T&E Species ●

Personnel Stresses*

-  Lack of Attainable Housing** ●
-  Lack of Childcare** ⓧ
-  Regulatory Requirements ●
-  Drones (UAVs) ⓧ
-  Lack of Funding for School Buses ⓧ

✚ Quantitatively assessed

● Qualitatively reviewed

ⓧ Not assessed or reviewed in MIRR VA

**Per stakeholder feedback.*

***Acknowledged but not analyzed - solutions will be reviewed and discussed in adaptation phase.*

Data Gaps

There were select datasets/items that were not obtained by the team:

Data Item	Status
Small diameter natural gas lines	Not assessed; however, natural gas transmission lines were evaluated.
Local Communication Lines (AT&T fiber lines)	Not assessed; cell towers were evaluated.
Detailed FPL electrical system data	Utilized regional data from Resilient FL database and U.S. Dept. of Energy

Vulnerability Assessment Results



Bottom Line Up Front

At the asset systems level there is *no immediate risk to mission* other than to address select single points of failure at each installation. This allows community service providers the ability to begin to integrate resilience risk reduction planning and incremental adaptation over time through the capital planning and budget process.

At the more granular scale (at the base level) the VA results indicate several critical assets with moderate to high risk to mission:

Asset Type	Assets	Shocks/Stresses	Risk to Mission	Level of Urgency
Roadways/Bridges and Approaches	A1A, Heckscher Drive, Roosevelt Blvd (US-17)	Storm surge, aging infrastructure	Moderate to High	Immediate to Mid-term
Railways	Railways at/near Camp Blanding and Blount Island	Extreme heat, storm surge, lack of redundancy	Moderate	Near-term
Electric Production and Supply Facilities	NAS JAX substation, Camp Blanding JTF substation, MCSF Blount Island electrical supply	rainfall flooding, storm surge, SLR, wildfire, lack of redundancy	Moderate to High	Immediate
Wastewater Systems	Camp Blanding JTF, NAS JAX	Lack of redundancy, regulatory requirements	Moderate	Near-term
Shorelines	MCSF Blount Island shorelines, shorelines around A1A and east of Mayport	Erosion, storm surge, SLR	Moderate to High	Immediate to near-term

These will be the prioritized for the next phase of developing adaptation strategies and projects.



VA – Broad Results Across Asset Classes and Types

	Rainfall Flooding	Coastal Flood - Storm Surge	Coastal Flood – SLR	Compound Flooding	Wildfire	Extreme Heat	High Wind	Erosion
Airports	X	X		X	X	X	X	
Roads and Bridges	X	X		X	X			X
Potable Water Systems	X	X		X	X		X	
Wastewater Treatment and Conveyance Facilities	X	X	X	X	X		X	
Electric Production Supply, Transmission, & Distribution	X	X		X	X		X	
Natural Gas								
Conservation Lands		X	X	X	X			
Shorelines		X	X	X				X
Wetlands			X			X		X
Maritime Support Facilities	X	X	X	X			X	X
Hospitals	X	X		X		X	X	
Fire Stations	X	X		X	X		X	
Police Stations	X			X	X		X	
Railways	X	X		X	X	X		

North

Categories of VA Results or VA Definitions



Vulnerability:

the combination of exposure and sensitivity that provides an understanding of the extent to which a hazard can disrupt an asset

Low = 1

Moderately Low = 2

Moderate = 3

Moderately High = 4

High = 5

Risk to mission:

The potential of an asset or system to impact the mission of an installation

Low = Asset failure/disruption has little to no impact on mission.

Moderate = Asset failure/disruption has moderate potential to inhibit mission.

High = Asset failure/ disruption has high potential to prevent execution of mission.

Level of Urgency:

Describes how soon the risk must be addressed

Category	Duration	Years
Immediate	Present Day (0-5 years)	2026-2030
Near-Term	> 5 to < 10 years	2030-2035
Mid-Term	<10 to >25 years	2035 - 2050
Long-Term	>25 years	2050 and beyond

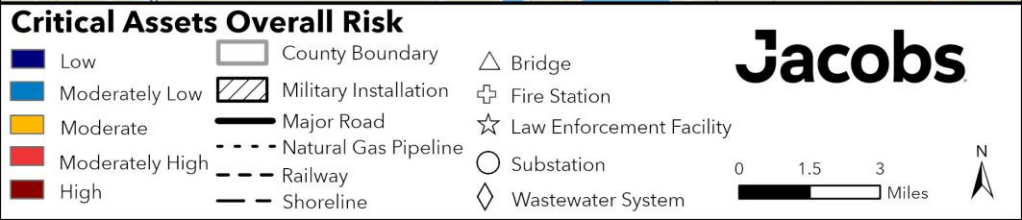
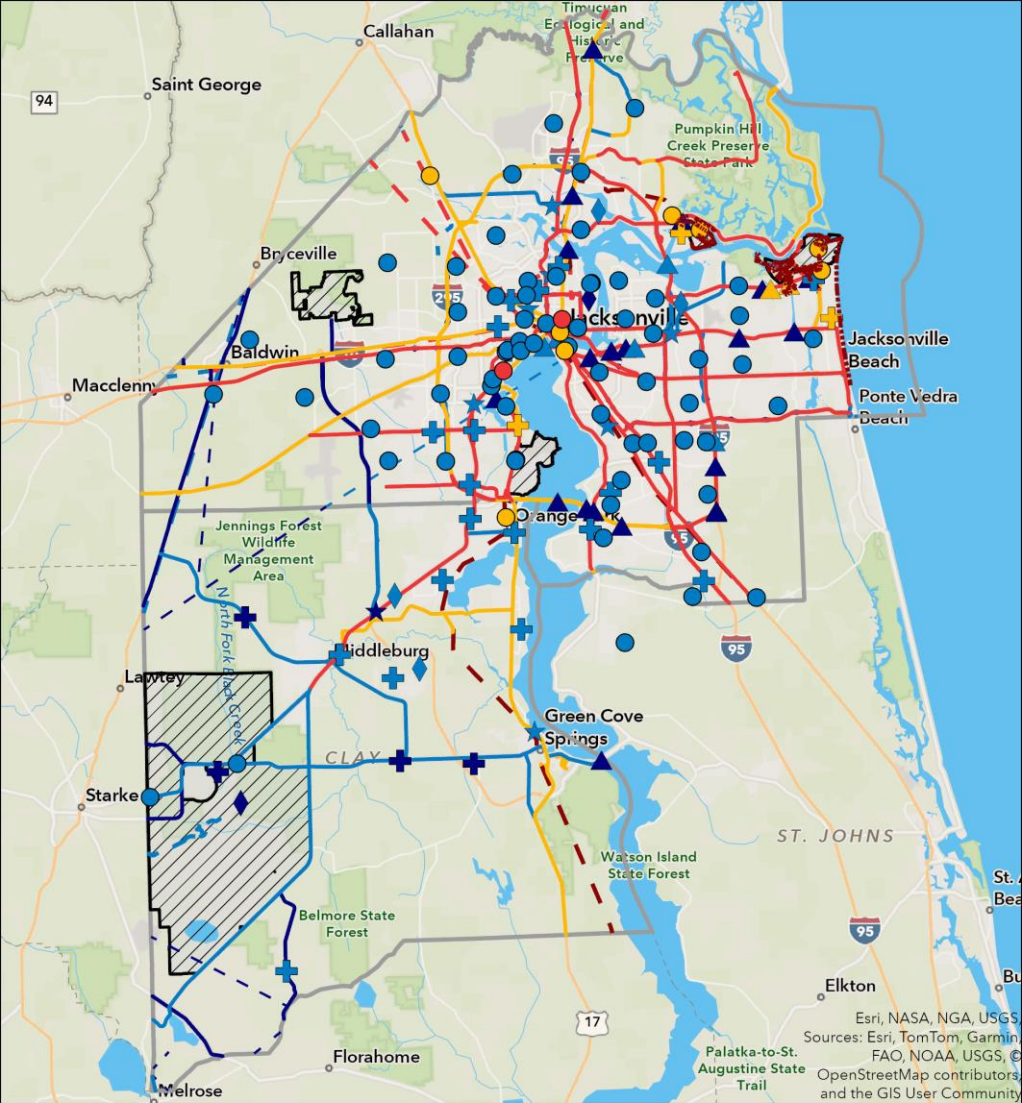
VA Results – Vulnerability by Asset Type

Asset Type	Vulnerability	Description
Bridges and Approaches	Low – Moderate	Vulnerability to flooding from extreme rain, surge, and/or SLR.
Roads	Low – Moderately High	Vulnerability to extreme flood events. Transportation congestion and lack of redundancy is a significant stressor.
Electric Production and Supply Facilities	Low – Moderately High	Varying vulnerability to flood hazards and/or wildfire. Lack of redundancy is another stressor.
Natural Gas	Low – Moderately Low	Minimal risk for large diameter natural gas transmission lines.
Potable Water Systems	Low – Moderately Low	
Wastewater Systems	Low – Moderately Low	Lack of redundancy and external regulatory pressures are future stresses for wastewater systems.

VA Results – Vulnerability by Asset Type

Asset Class	Vulnerability	Description
Railways	Moderately Low – High	Railways are vulnerable to flooding and fire. Select railways are also old and/or lack redundancy.
Shorelines	Moderately Low – Moderately High	Select shorelines are vulnerable to extreme rainfall/surge/compound flood events.
Conservation lands	Moderately Low – Moderately High	Conservation lands have varying degrees of vulnerability to flooding and wildfire.
Wetlands	Low – Moderately Low	Coastal wetlands are vulnerable to SLR.
Hospitals	Low – Moderate	Select coastal hospitals are vulnerable to multiple flood hazards.
Fire Stations	Low – Moderate	
Law Enforcement Facilities	Low – Moderate	Select facilities are vulnerable to multiple coastal flood hazards.

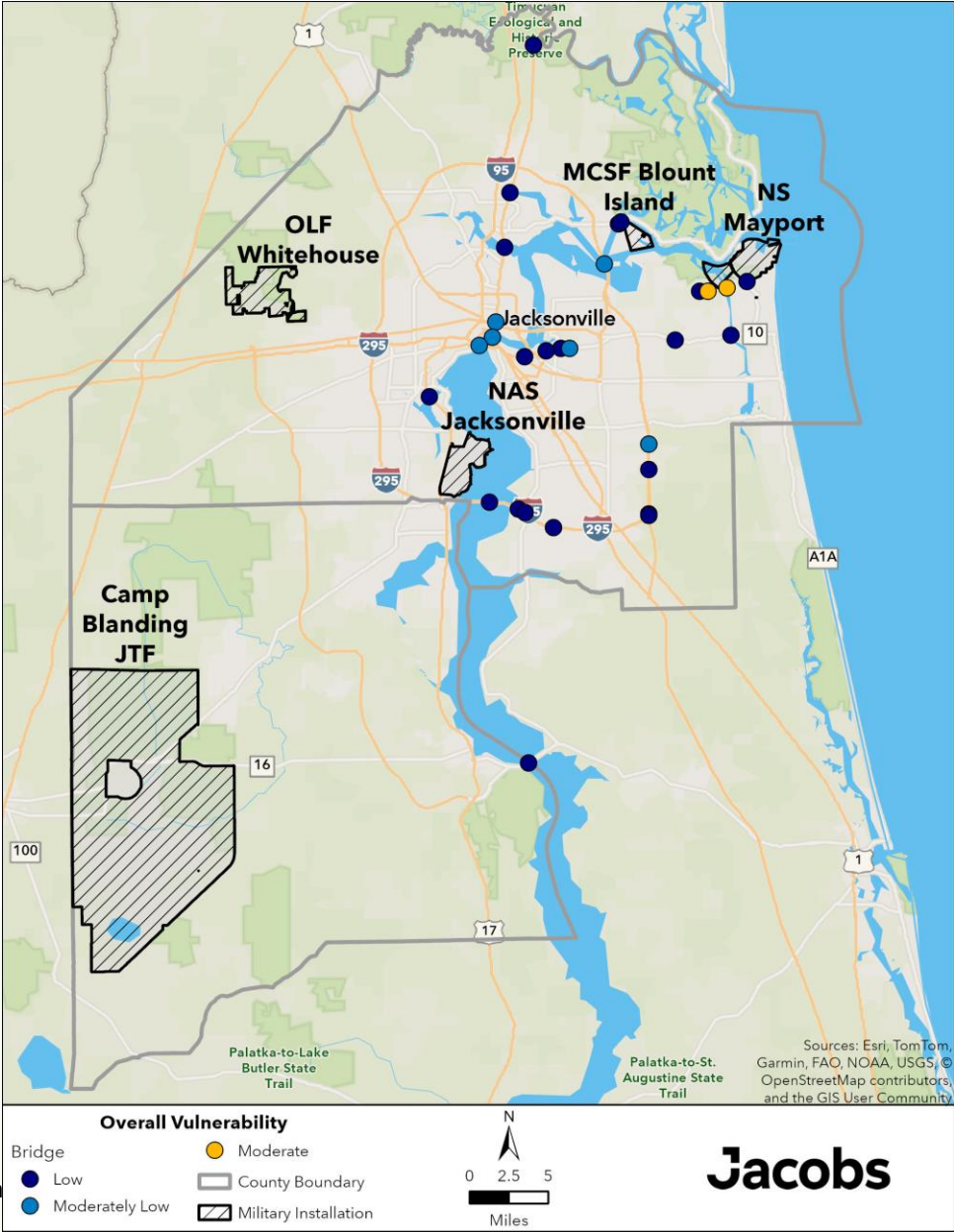
VA Results – Overall Vulnerability of All Asset Types



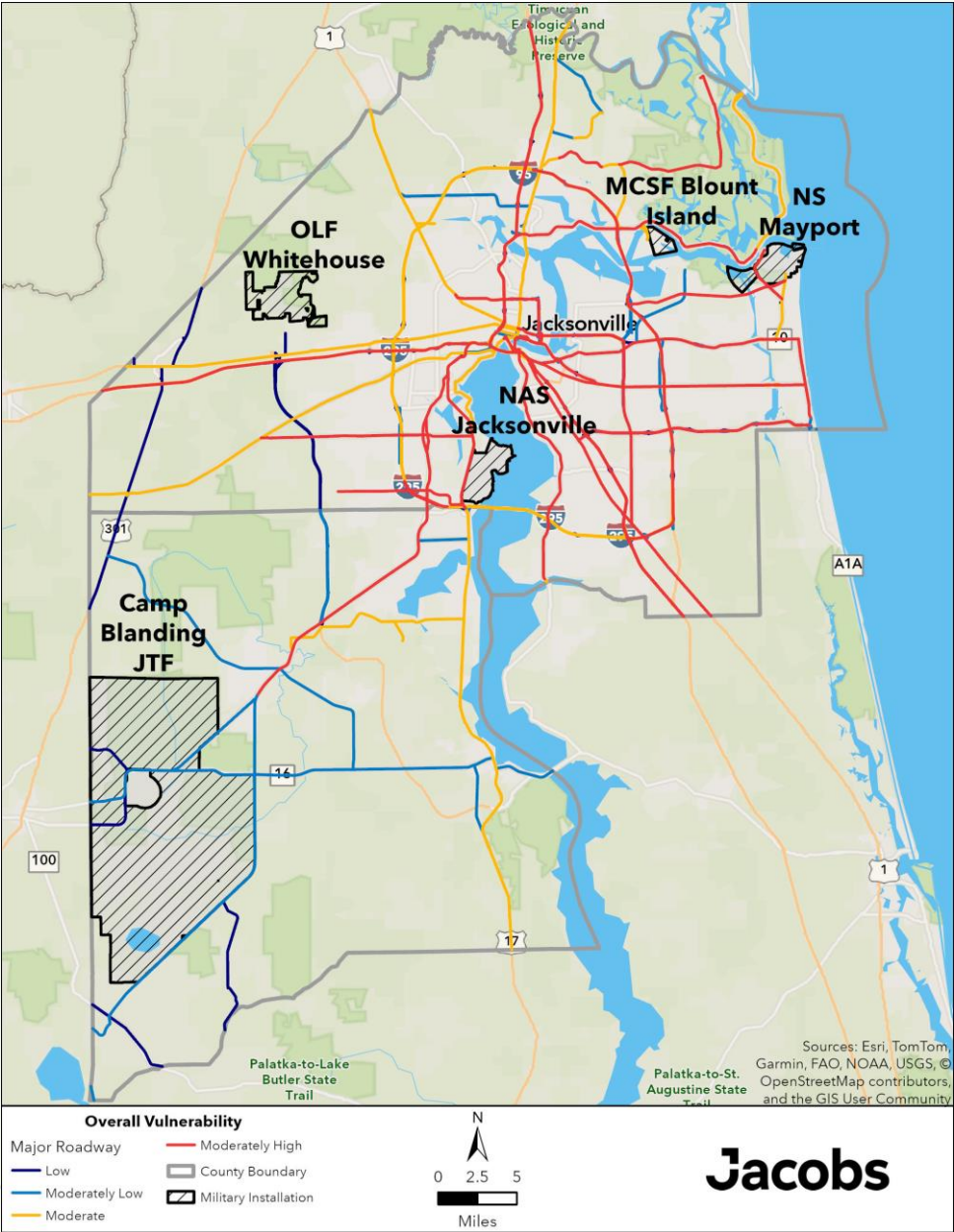
Northeast Florida Regional Council Military Installation



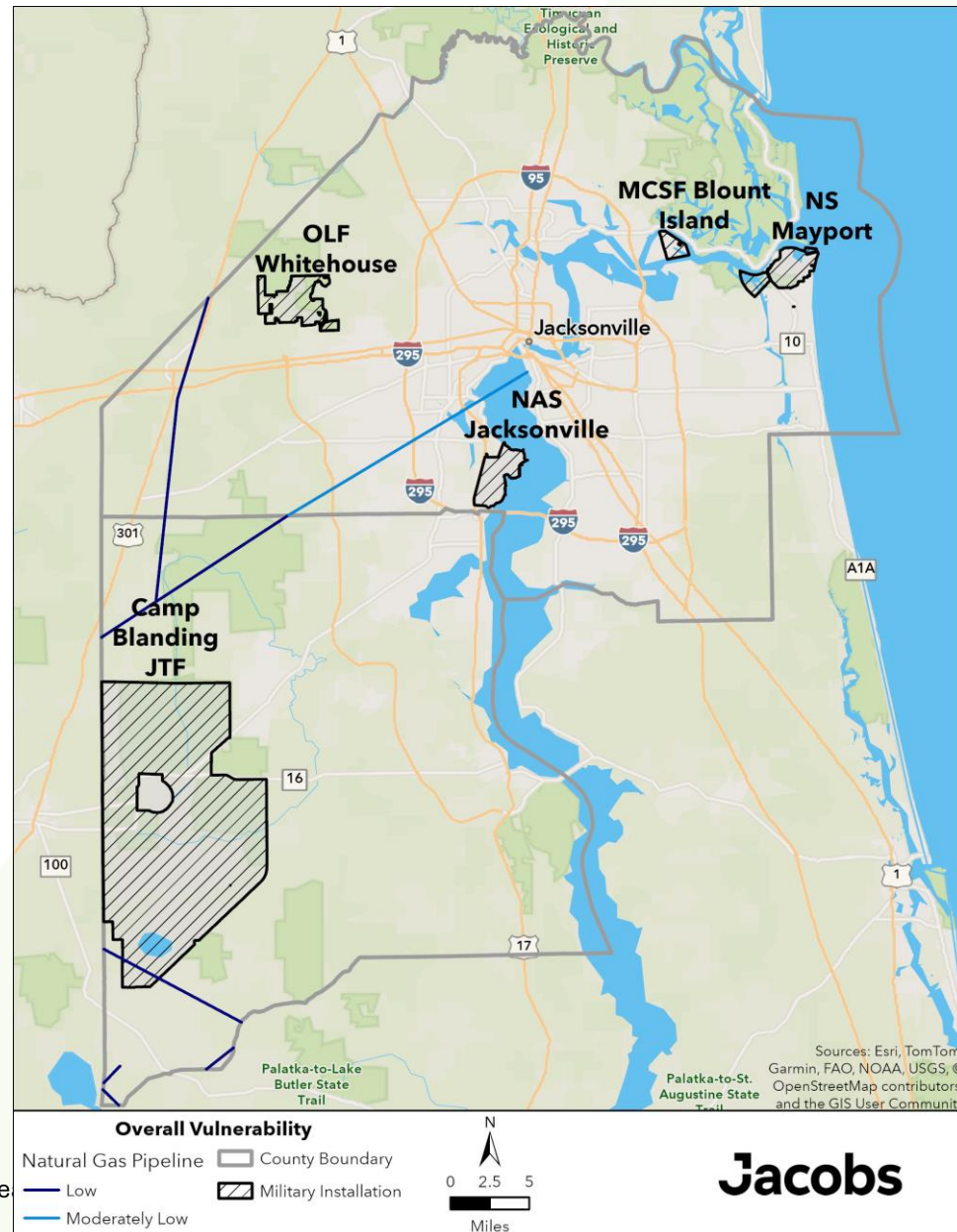
VA Results – Asset Type Vulnerability - Bridges



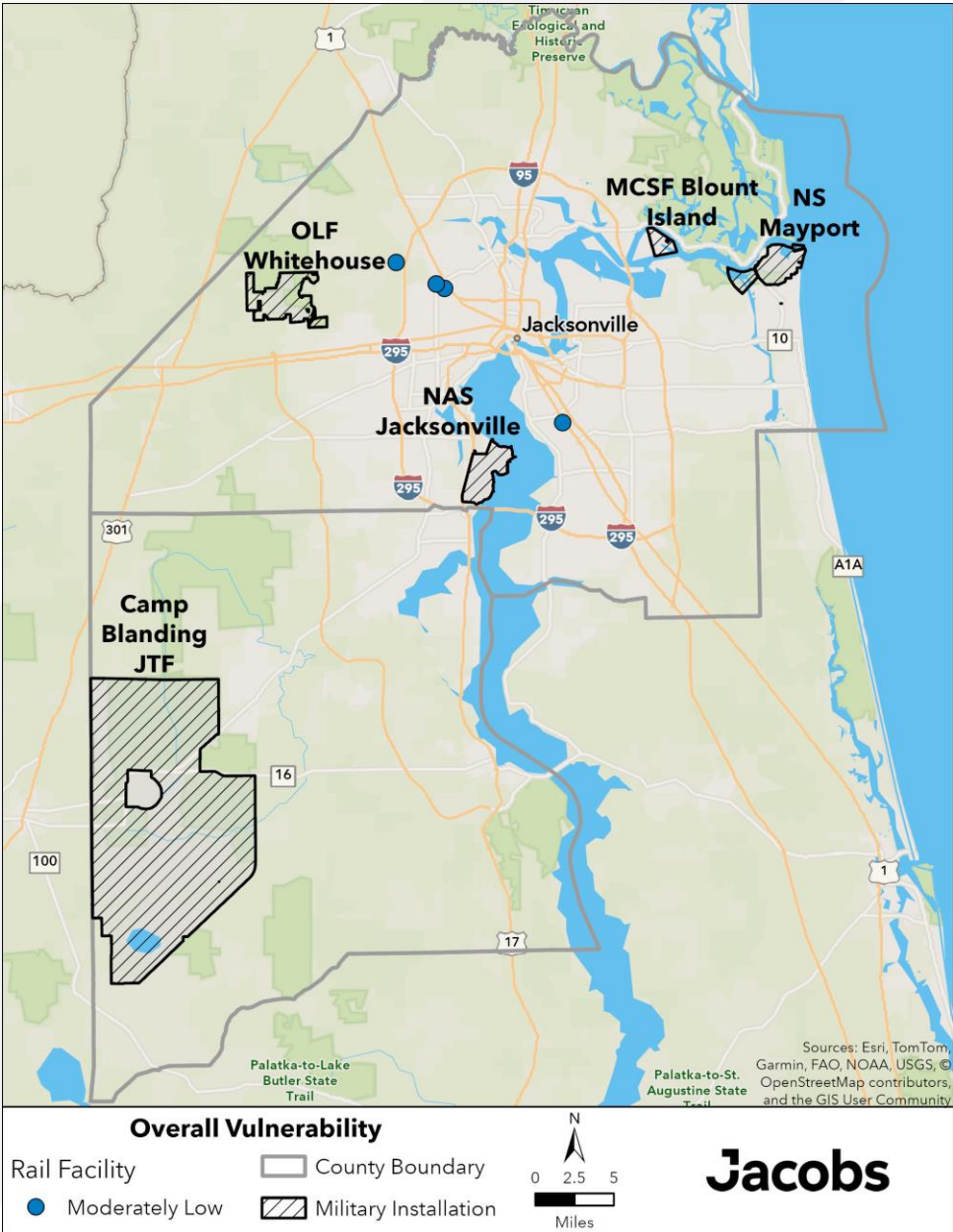
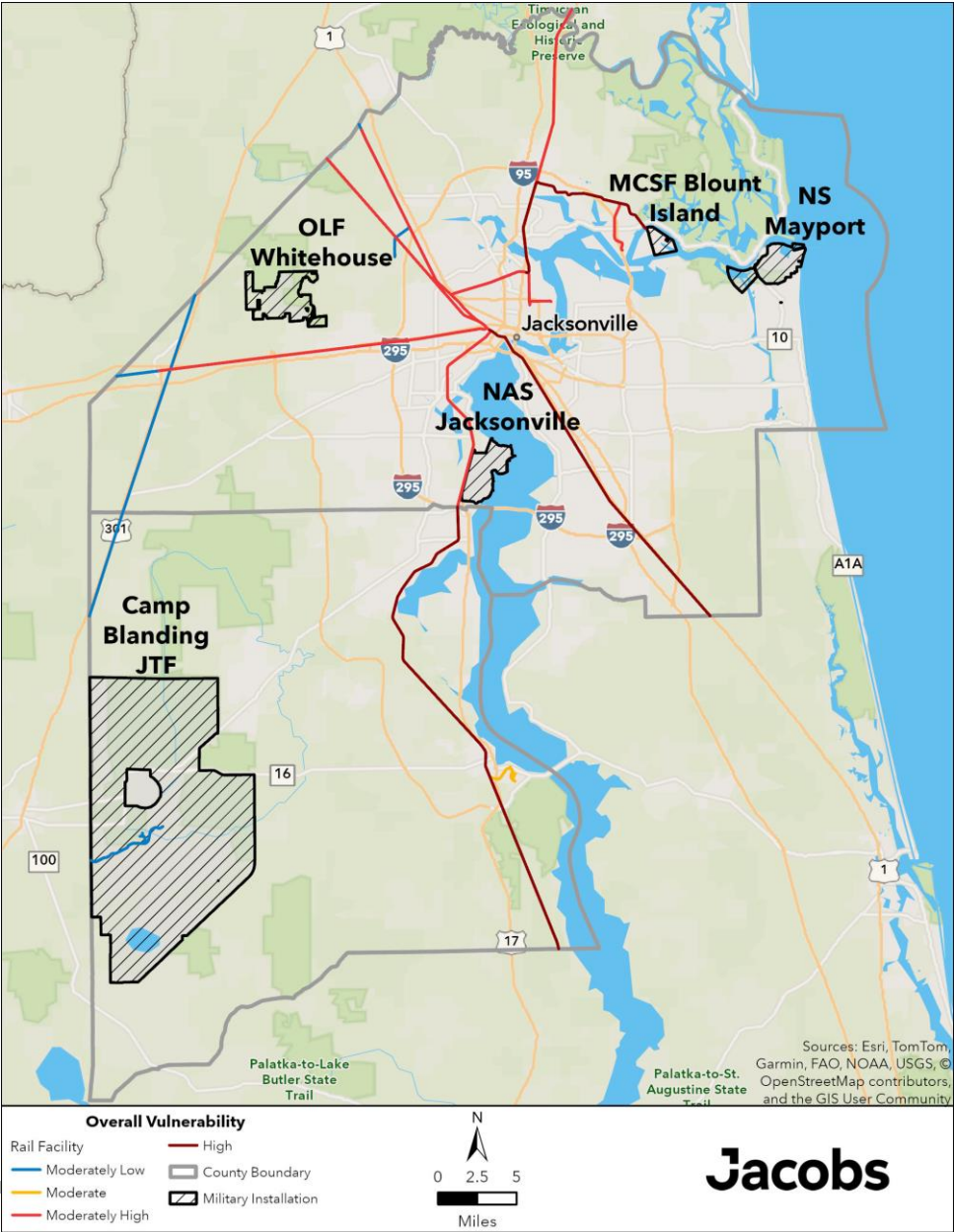
VA Results – Asset Type Vulnerability – Major Roads



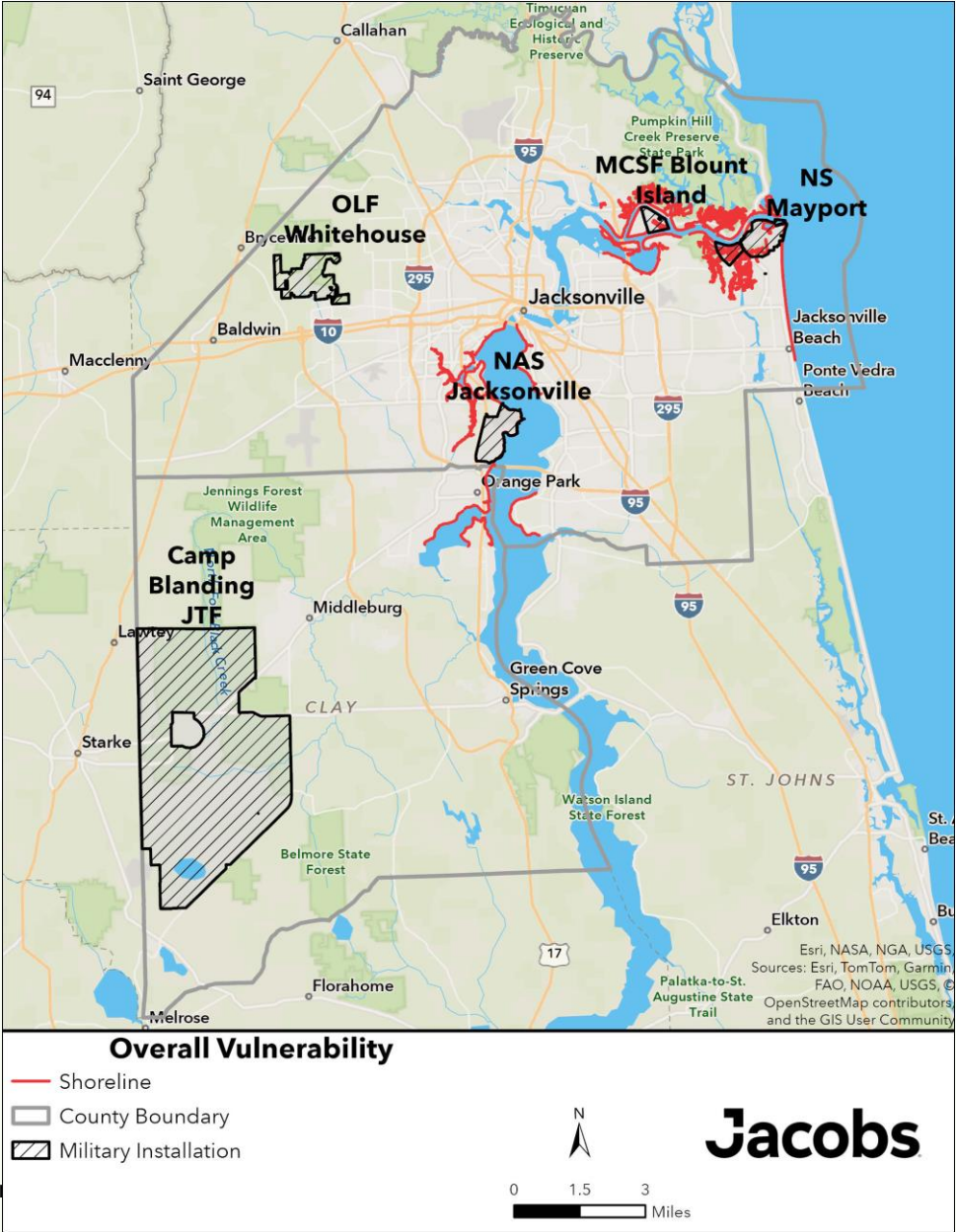
VA Results – Asset Type Vulnerability – Natural Gas



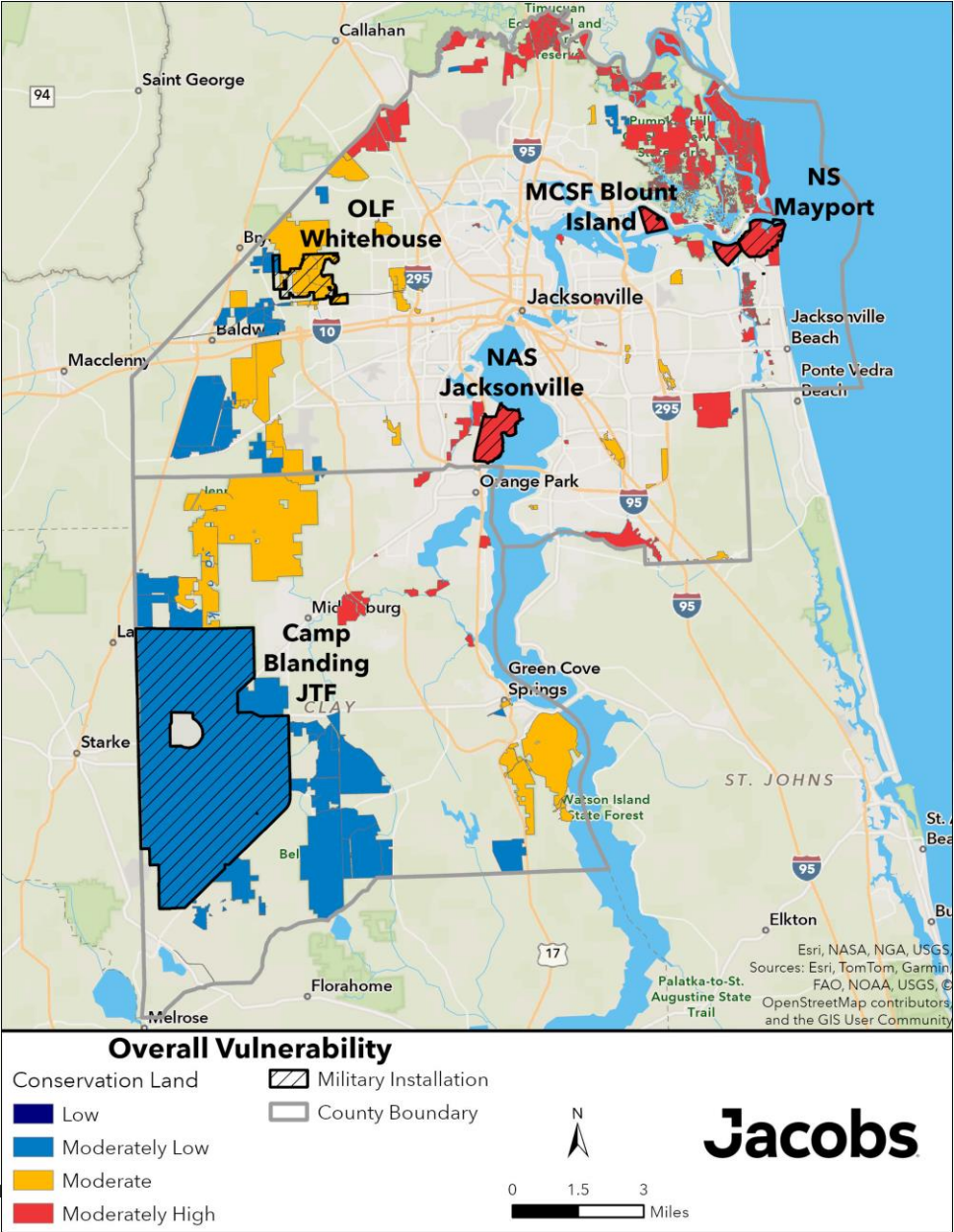
VA Results – Asset Type Vulnerability – Railways



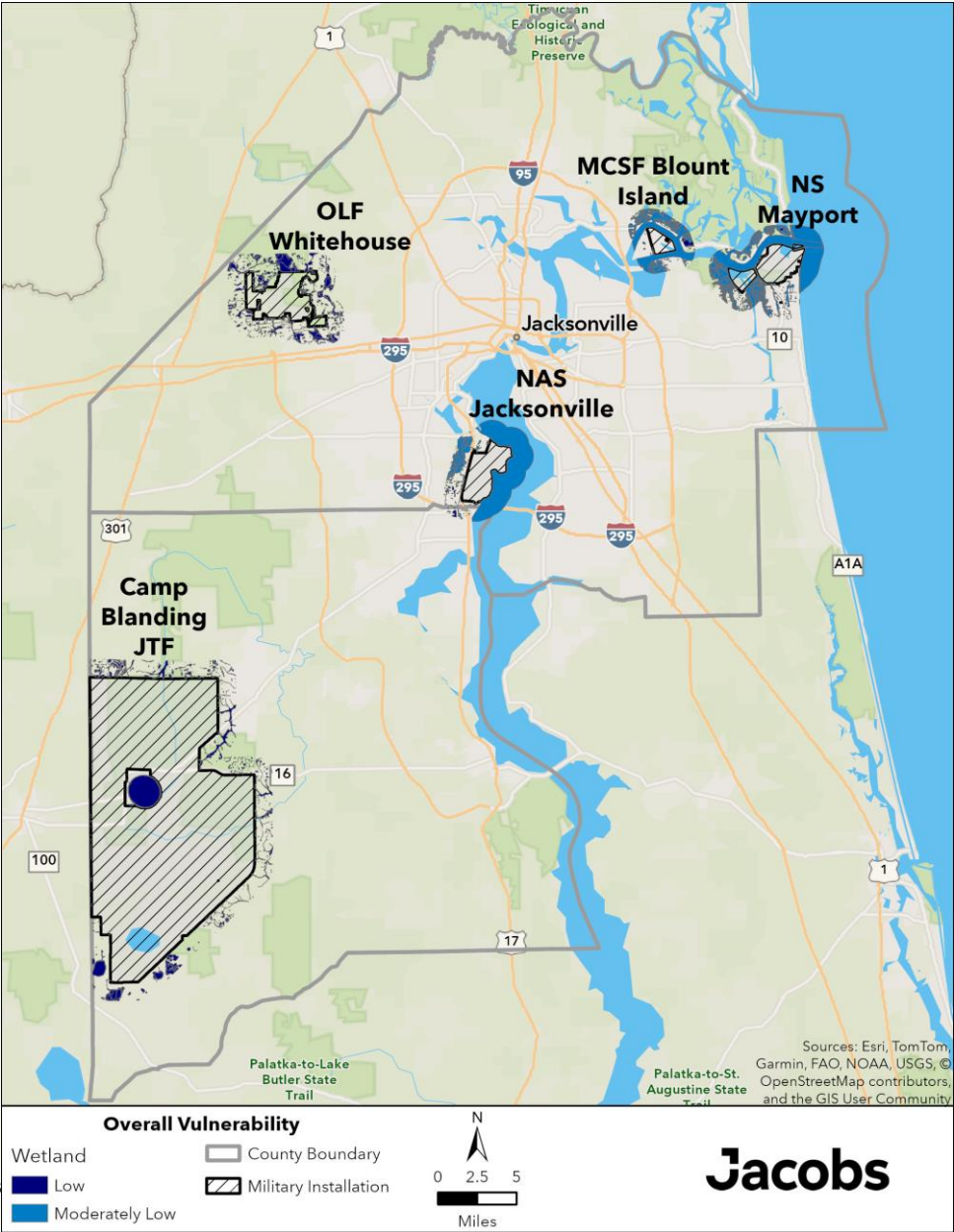
VA Results – Asset Type Vulnerability – Shorelines



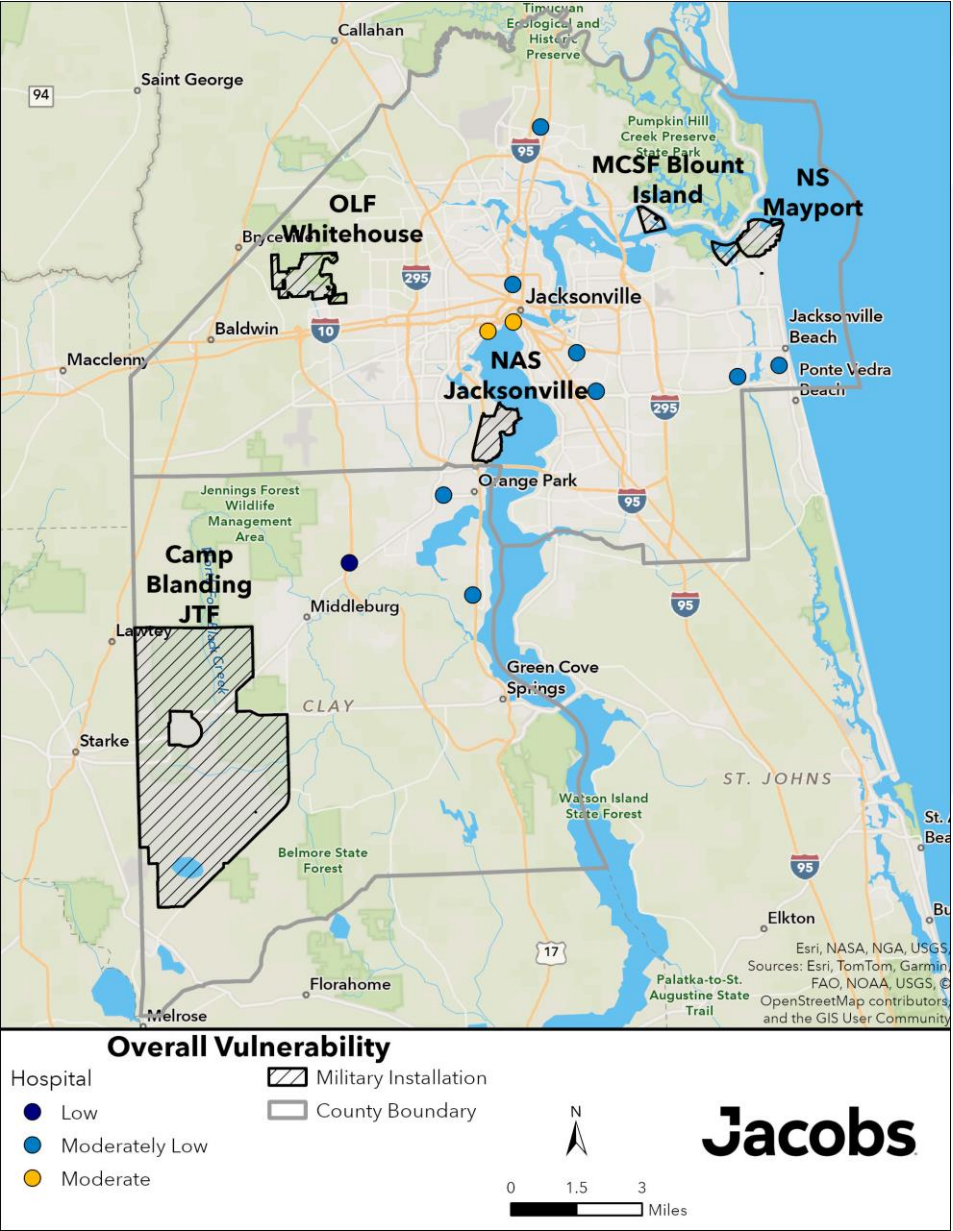
VA Results – Asset Type Vulnerability – Conservation Lands



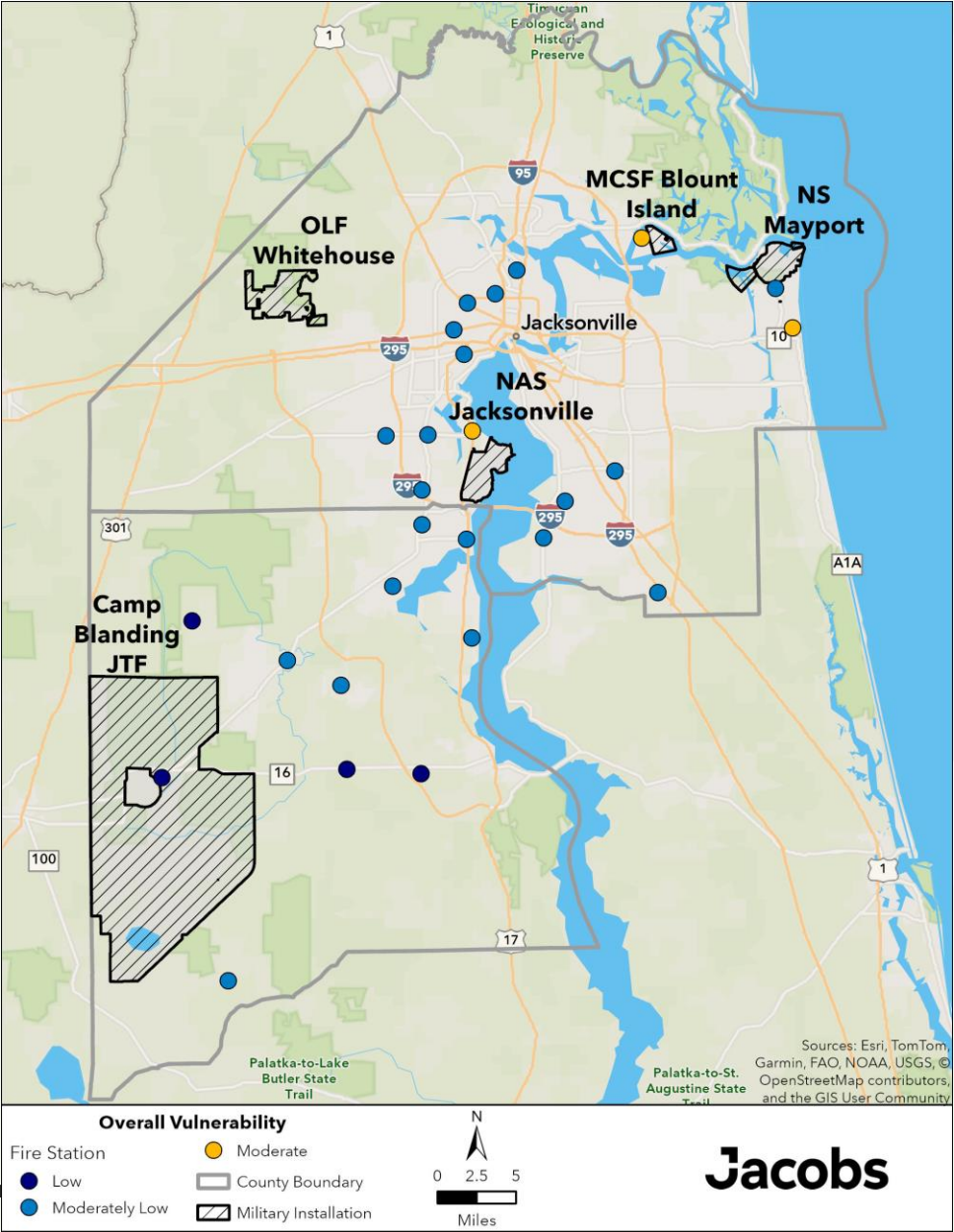
VA Results – Asset Type Vulnerability – Wetlands



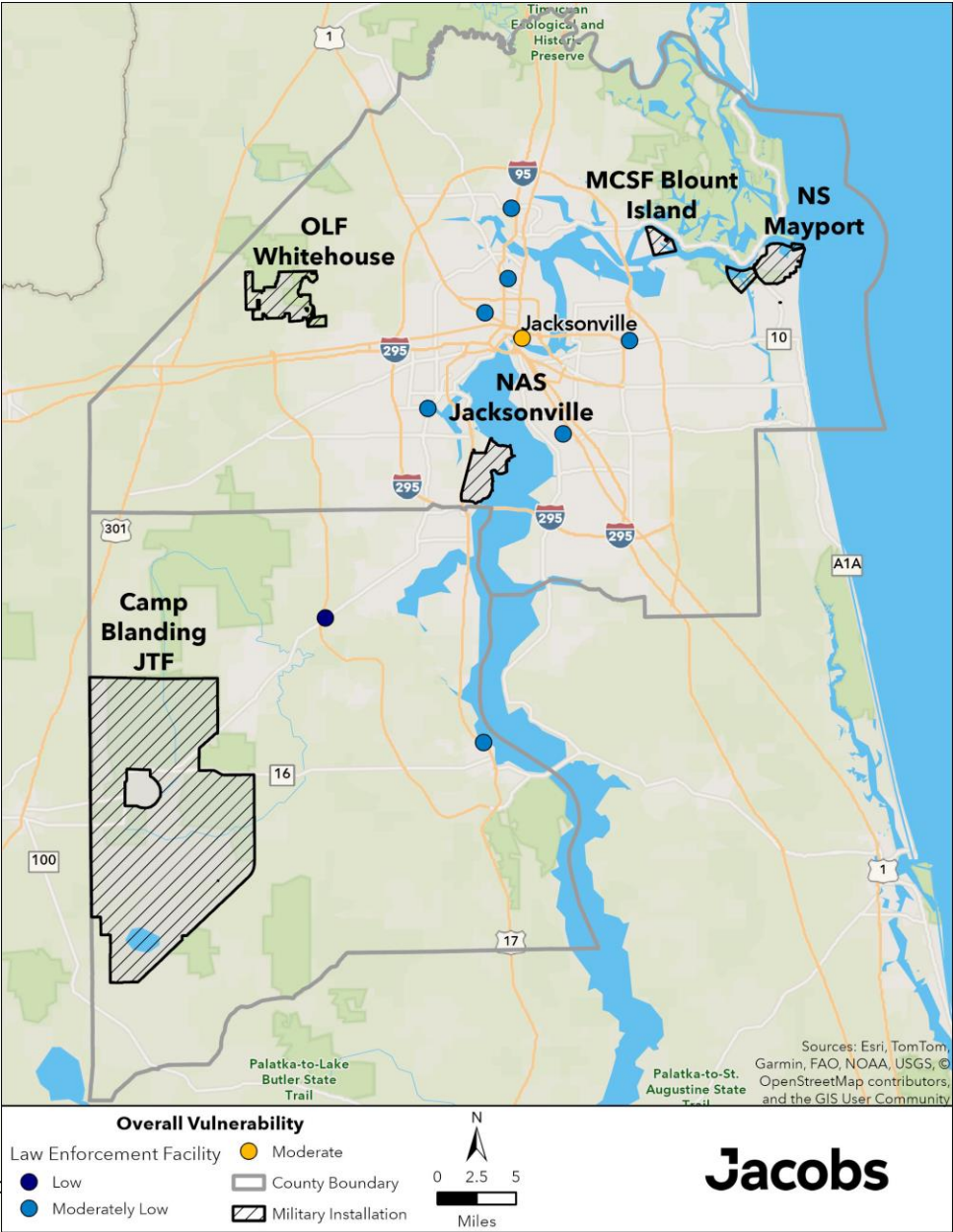
VA Results – Asset Type Vulnerability – Hospitals



VA Results – Asset Type Vulnerability – Fire Stations



VA Results – Asset Type Vulnerability – Law Enforcement Facilities



Naval Station Mayport



Naval Station Mayport: Missions

Primary Mission

- Surface fleet homeporting
- Aviation basing
- Fleet readiness & sustainment

Secondary Missions

- Enable carrier/amphibious operations
- Enable Joint/Coalition operations & exercises
- Support humanitarian & disaster response
- Support major tenant commands



Naval Station Mayport: Mission-Critical Assets

Primary

House and support the 4th Fleet, maintain and house UAVs, manages fuel depots, homeland defense, repair major ships.

Location-Specific Positioning

- St. John's River
- Wetlands and Marshes
- Shorelines
- Fuel Depot

Assets Providing Direct Support

- Electric Production and Supply Facilities
- Roads and Bridges
- Communications Facilities (e.g., cell towers, fiberoptic lines)
- Water utility supply facilities
- Wastewater conveyance and treatment facilities
- Safe Harbor Facilities (JAXPort)
- Offsite dry dock facilities (BAE)

Secondary

Offer regional fueling depot.

Assets Providing Direct Support

- Emergency Response Facilities
- Shorelines (Atlantic Coast shorelines)
- Fire Stations

Mission-Supportive

Assets that support the livelihood and health of installation personnel, indirect support to primary and secondary missions.

Personnel Support

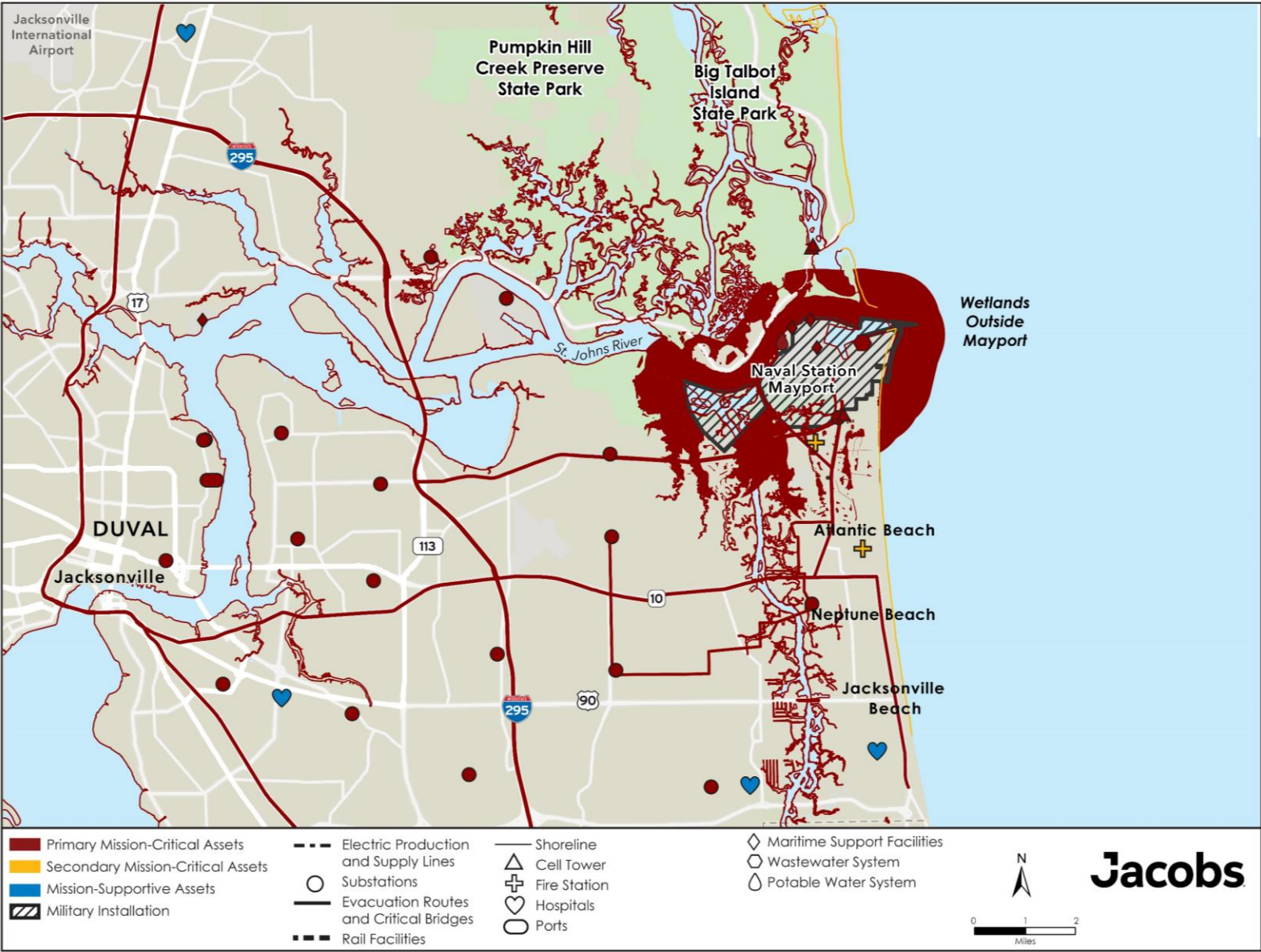
- Affordable Housing
- Childcare Facilities
- Emergency Response Facilities (Hospitals)

Assets Providing Indirect Support

- Solid and Hazardous Waste Facilities



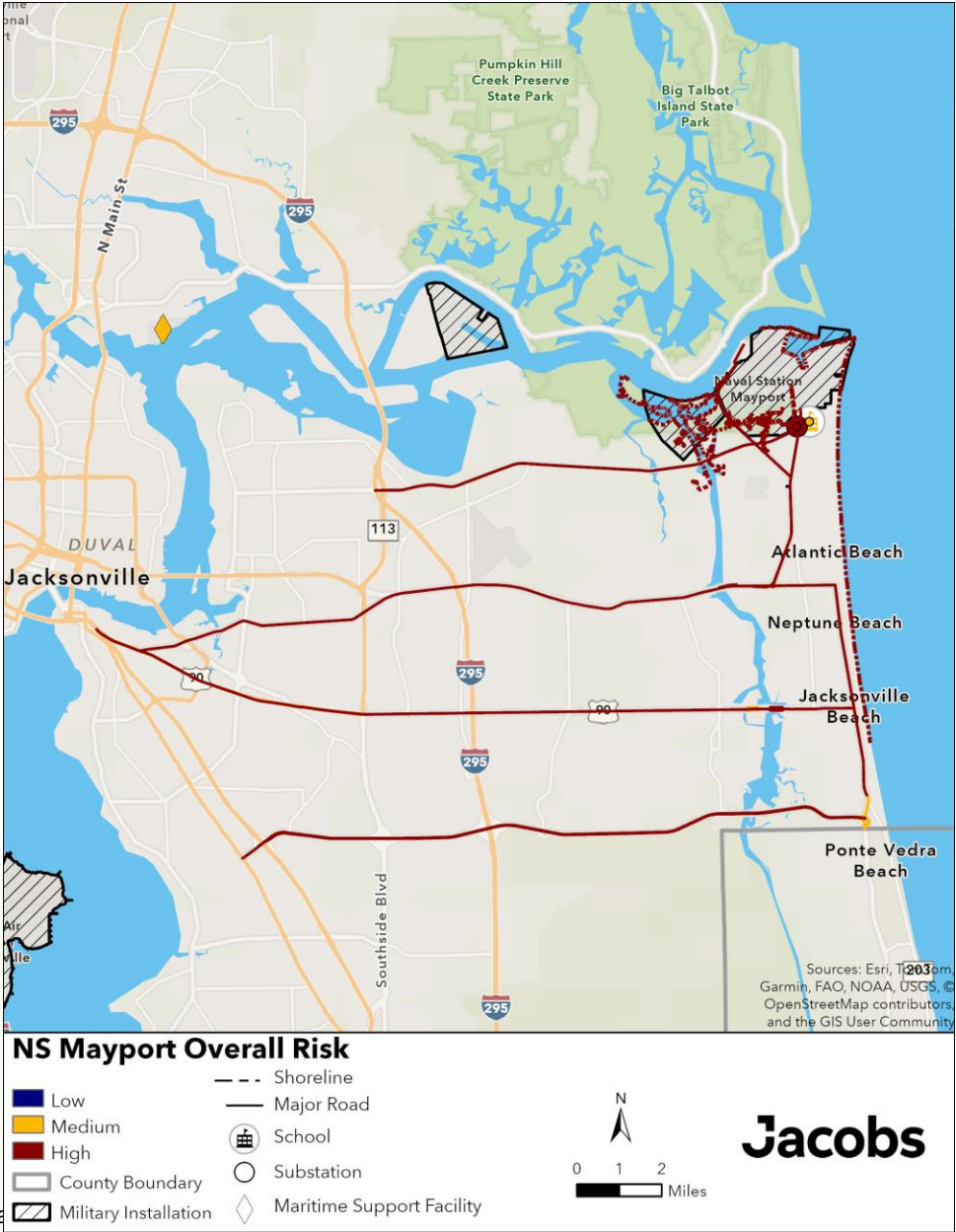
NS Mayport: Mission Critical Assets



NS Mayport: Risks to Mission

Asset Type and Name	Asset Owner	Extent	Mission-Criticality	Relevant Shocks/Stresses	Risk to Mission	Level of Urgency
A1A	FDOT	Wonderwood Dr to Village of Mayport	Primary	SLR, Erosion, Surge	High	Immediate
Shorelines	Various	East of installation, Atlantic shorelines	Primary	SLR, erosion, storm surge	High	Immediate
Electric Supply Facility	JEA	Mayport Substation; South of base	Primary	Storm surge, Rainfall flooding	High	Near-term
Mayport Rd	FDOT / Atlantic Beach	Wonderwood Dr to installation gate	Primary	Rainfall flooding	Medium	Mid-term
McCormick Rd / Wonderwood	FDOT	Bridge approach at Greenfield Creek	Primary	Storm surge	Medium	Near-Term
Regional Roadways	Various	State Rd 10, Atlantic Blvd, US-90, JT Butler Blvd, 3 rd St S, Beach Blvd, Dune Ave	Primary	Storm surge, Rainfall flooding, SLR, Compound flooding	Medium	Near-Term
School: Anchor Academy Elementary	Duval County Public Schools	Anchor Academy school grounds	Supportive	School closure, storm surge	Medium	Immediate
Northside Fuel Depot	Naval Supply Logistics Command	West of installation in industrial park	Primary	Storm surge, Rainfall, Compound	Medium	Mid-Term
Conservation Lands	DOI	Timuquana Preserve	Primary	SLR	Medium	Mid-Term

NS Mayport: Risks to Mission



Marine Corp Support Facility Blount Island



MCSF Blount Island: Missions



Primary Mission

- Support readiness of Marine global pre-positioning (Maritime Prepositioning Force)
- Support crisis response through rapid loading and deployment of ships

Secondary Mission

- 841st Transportation Battalion
- Support Army and Navy sealift logistics
- Exercise & deployment support
- Vessel maintenance



MCSF Blount Island: Mission-Critical Assets

Primary

Maritime Prepositioning Force, Logistics & Sustainment, and Sealift Integration

Location-Specific Positioning

- Rivers (St. John's River)
- Shorelines

Assets Providing Direct Support

- Electric Production and Supply Facilities
- Roads and Bridges
- Railway systems
- Communications systems
- Ports (JAXPort)
- Fire Stations
- Tugboats and harbor pilots
- Fuel Depot
- Offsite dry dock facilities - The local dry dock facilities are private contracting companies

Secondary

Joint Logistics Hub, Exercise & Deployment Support, and Vessel Maintenance

Assets Providing Direct Support

- Water systems
- Wastewater systems

Mission-Supportive

Assets that support the livelihood and health of installation personnel, indirect support to primary and secondary missions.

Personnel Support

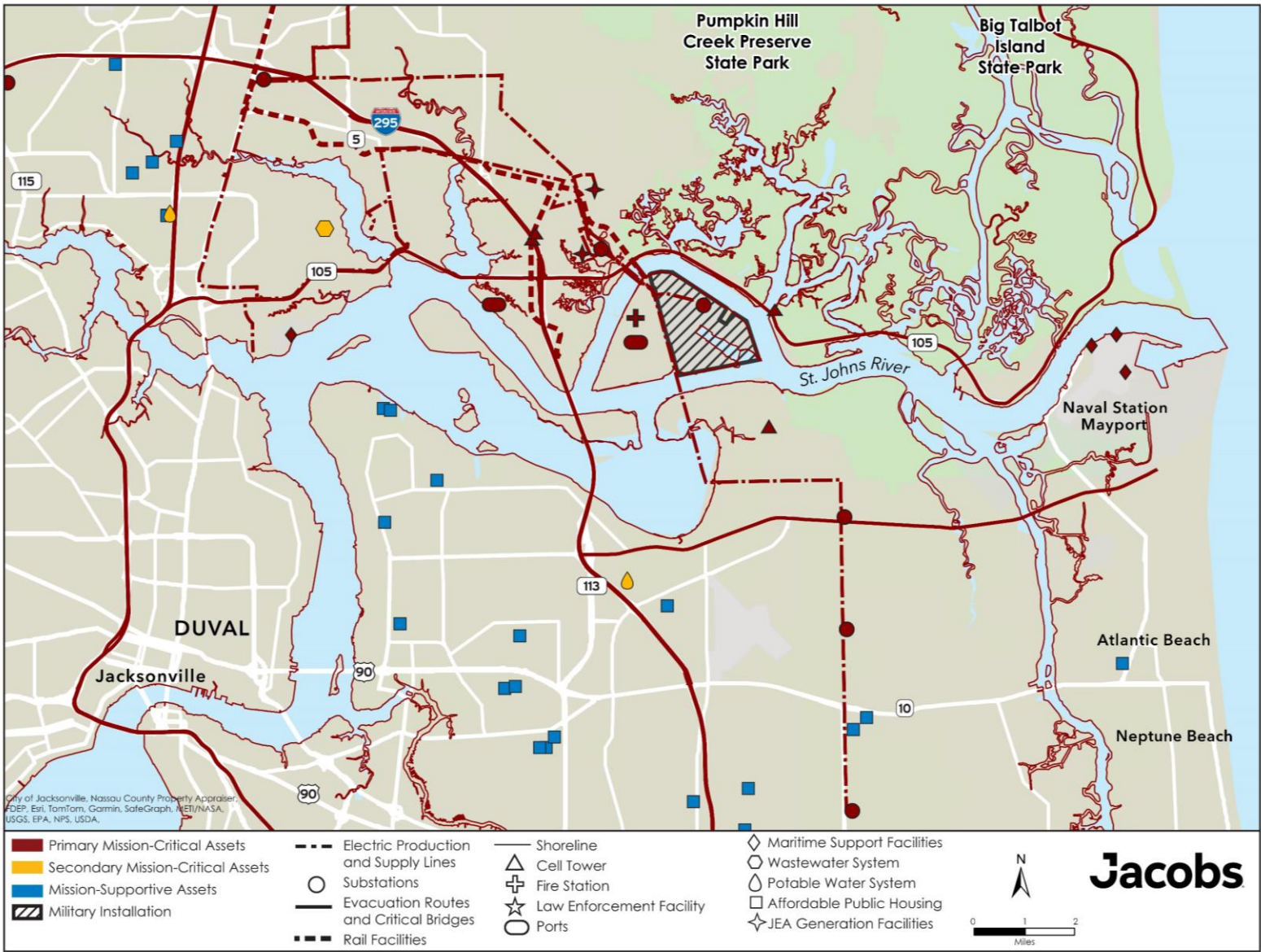
- Affordable Housing
- Childcare Facilities

Assets Providing Indirect Support

- Solid and Hazardous Waste Facilities



MCSF Blount Island: Mission Critical Assets



MCSF Blount Island: Risks to Mission (Quantitative)*

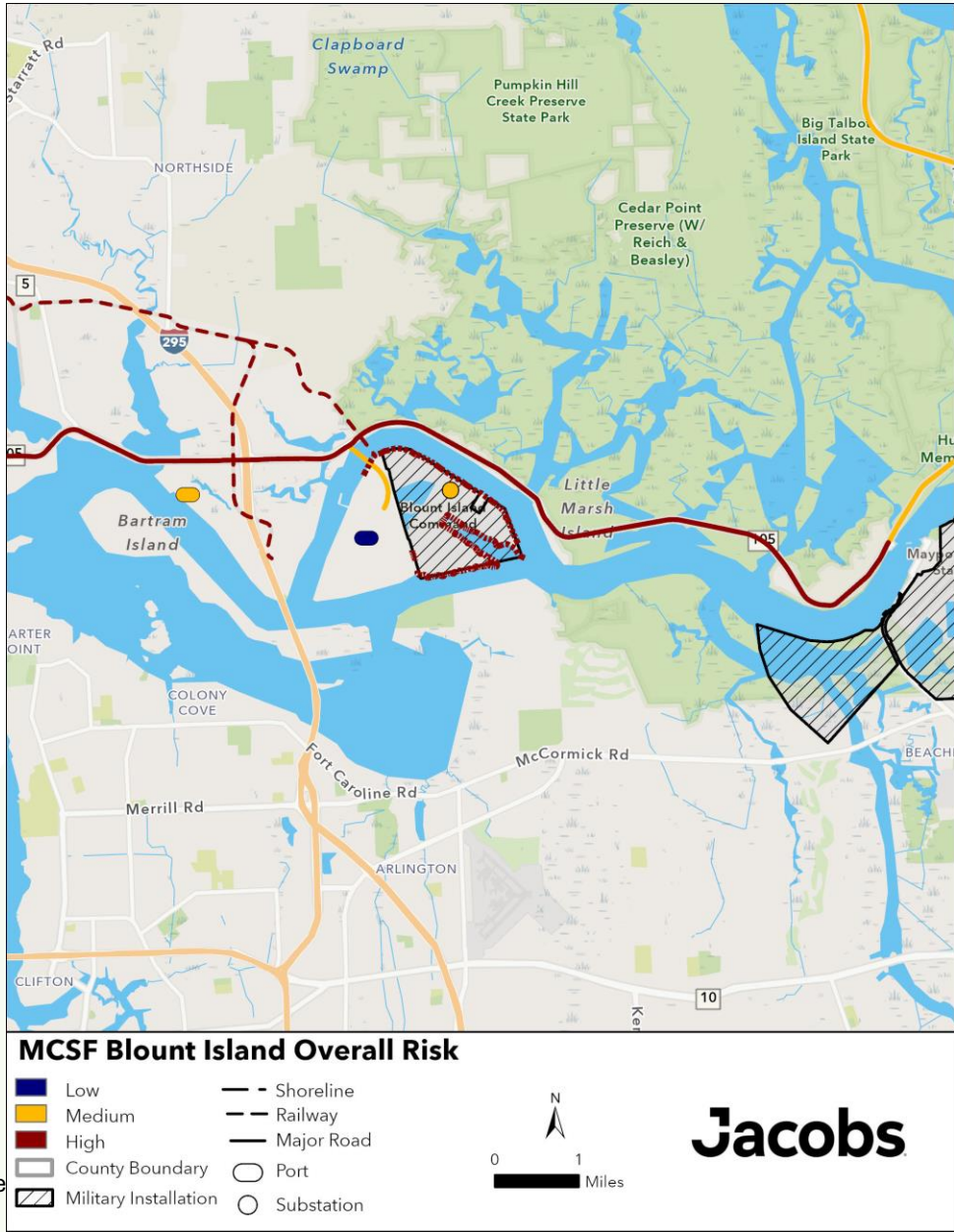
Asset Type and Name	Asset Owner	Extent	Mission-Criticality	Relevant Shocks/Stresses	Risk to Mission	Level of Urgency
Shorelines	Various	East of installation	Primary	SLR, Erosion, Storm surge	High	Immediate
Hecksher Drive	Duval County	I-295 to Blount Island Blvd	Primary	Surge, SLR, Congestion, Lack of redundancy	High	Near-term
Dave Rawls Blvd	Duval County	Heckscher Dr to Blount Island	Primary	Storm surge, Aging infrastructure	High	Near-term
Electric supply	JEA	Substation	Primary	Storm surge, Lack of redundancy	Medium	Immediate
Jax Port	Jax Port	West of installation	Primary		Low	Long-term

*AT&T Fiber lines were not analyzed due to data gaps but may have a level of vulnerability.

MCSF Blount Island: Risks to Mission (Qualitative)

Asset Type and Name	Asset Owner	Extent	Mission-Criticality	Relevant Shocks/Stresses	Risk to Mission	Level of Urgency
Railways	CSX	Railways supplying the base.	Primary	Lack of redundancy	High	Near-term
Potable Water Systems	JEA	Water supply line from mainland to base	Secondary	Lack of redundancy	Medium	Near-term

MCSF Blount Island: Risks to Mission



Camp Blanding Joint Training Facility



Camp Blanding Joint Training Facility: Missions



Primary Mission

- Support live weapons and maneuver training ranges for combat arms training and exercise (Level 2 Garrison Training and Impact Area)
- Serve as the Florida National Guard Training Center

Secondary Mission

- Support state and federal activities
 - Provide a training ground for various federal and state agencies
 - Reserve, Law Enforcement, and ROTC support
 - Multi-jurisdictional counterdrug task force training
 - House Florida's backup EOC
 - Provide a staging area for emergency response



Camp Blanding JTF: Mission-Critical Assets

Primary

Support live weapons and maneuver training ranges and house the FL National Guard Training Center.

Location-Specific Positioning

- Conservation lands

Assets Providing Direct Support

- Electric Production and Supply Facilities
- Roads and Bridges
- Railway systems
- Communications systems
- Fire stations
- Police stations
- Stormwater systems
- Clay County EOC

Secondary

Support various state and federal activities, including disaster response and various trainings.

Assets Providing Direct Support

- Water systems
- Wastewater systems

Mission-Supportive

Assets that support the livelihood and health of installation personnel, indirect support to primary and secondary missions.

Personnel Support

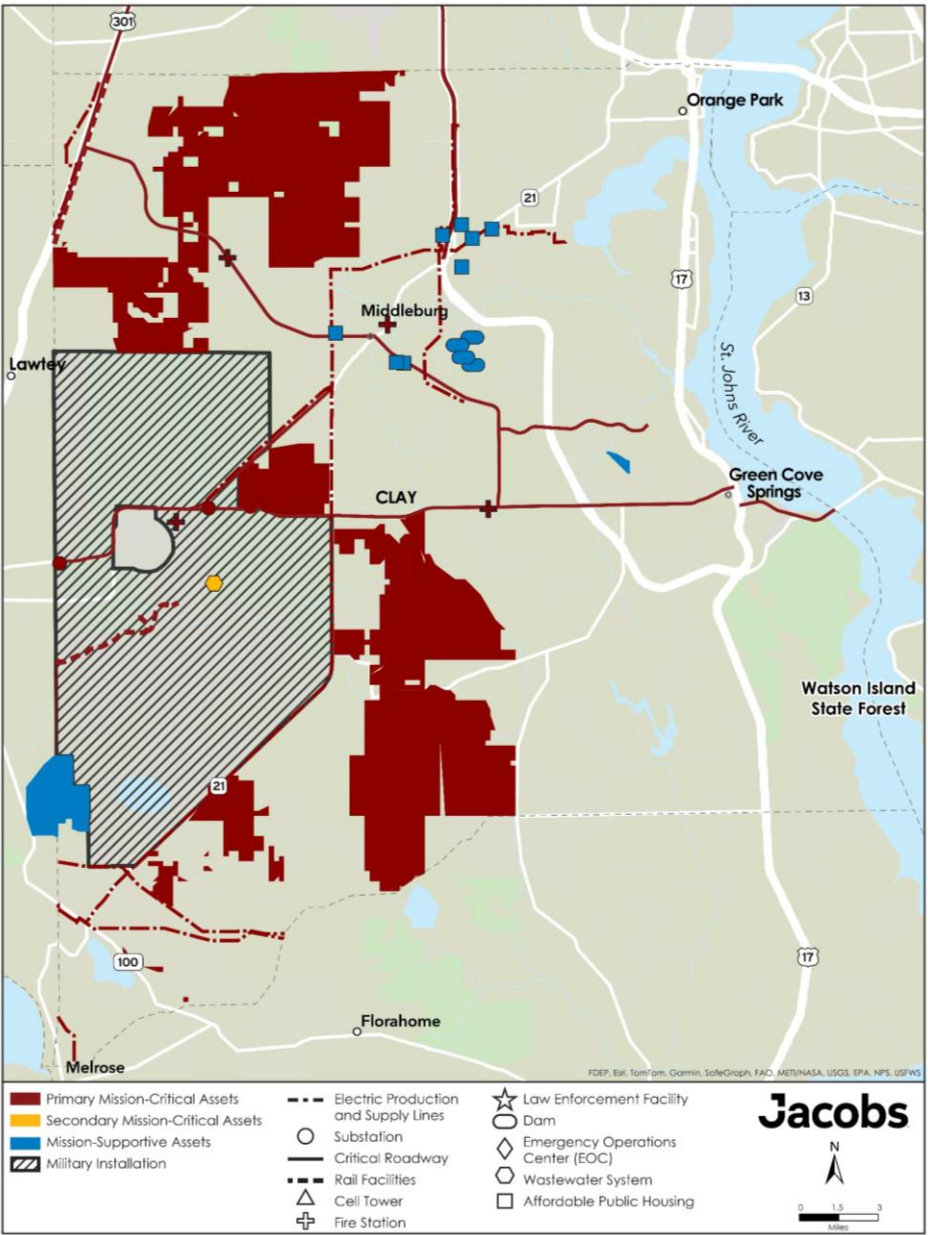
- Affordable Housing
- Childcare Facilities

Assets Providing Indirect Support

- Solid and Hazardous Waste Facilities



Camp Blanding JTF: Mission Critical Assets



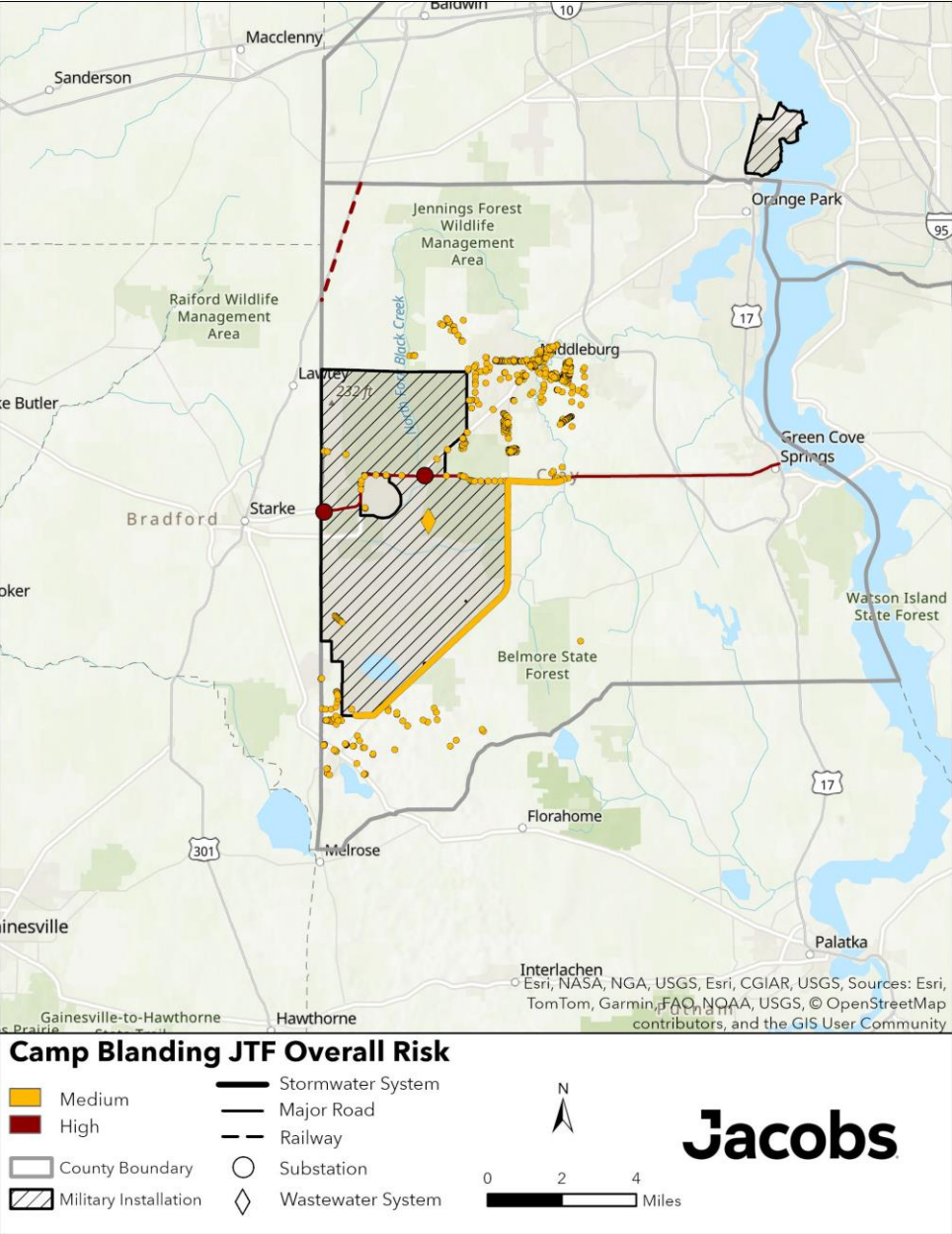
Camp Blanding JTF: Risks to Mission (Quantitative)

Asset Type and Name	Asset Owner	Extent	Mission-Criticality	Relevant Shocks/Stresses	Risk to Mission	Level of Urgency
Electric Facilities: Substation	FPL	North of base	Primary	Lack of redundancy, wildfire	High	Near-term
Railways	CSX	Surrounding Installation	Primary	Rainfall flooding, extreme heat, aging infrastructure	High	Near-term
State Road16	FDOT	Between 225 and 215 near entrance gate	Primary	Single point of failure, Rainfall flooding	Medium*	Near-term
Stormwater Systems	County	Areas around base	Primary	Rainfall flooding	Medium*	Near to Mid-term

Camp Blanding JTF: Risks to Mission (Qualitative)

Asset Type and Name	Asset Owner	Extent	Mission-Criticality	Relevant Shocks/Stresses	Risk to Mission	Level of Urgency
Conservation Lands/ Parcels Surrounding Installation Boundary	Various	Near Installation Boundary	Primary	Encroachment (development pressures), Wildfire	High	Near to long-term
Wastewater System	N/A	N/A	Secondary	Lack of redundancy/ interconnection with other systems, regulatory requirements	Medium	Near-term

Camp Blanding JTF: Risks to Mission



Naval Air Station Jacksonville



Naval Air Station Jacksonville: Missions



Primary Missions

- Naval Aviation hub
- Training and Readiness
- Logistical + Maintenance Support

Secondary Missions

- Naval Hospital
- Community & Homeland Defense (Customs / Border Patrol)
- Support regional commands
- FEMA staging site



NAS Jacksonville: Mission-Critical Assets

Primary

Conduct training and operations
Logistical and maintenance support

Location-Specific Positioning

- Conservation lands
- Shorelines

Assets Providing Direct Support

- Electric Production and Supply Facilities
- Roads and Bridges
- Railway systems
- Cecil Airfield
- Airspace
- Natural gas supply systems
- Regional fire stations

Secondary

Drone operations, Naval Hospital, Support
regional commands, community and homeland
defense

Assets Providing Direct Support

- Water systems
- Wastewater systems
- Communications systems
- Regional hospitals

Mission-Supportive

Assets that support the livelihood and health
of installation personnel, indirect support to
primary and secondary missions.

Personnel Support

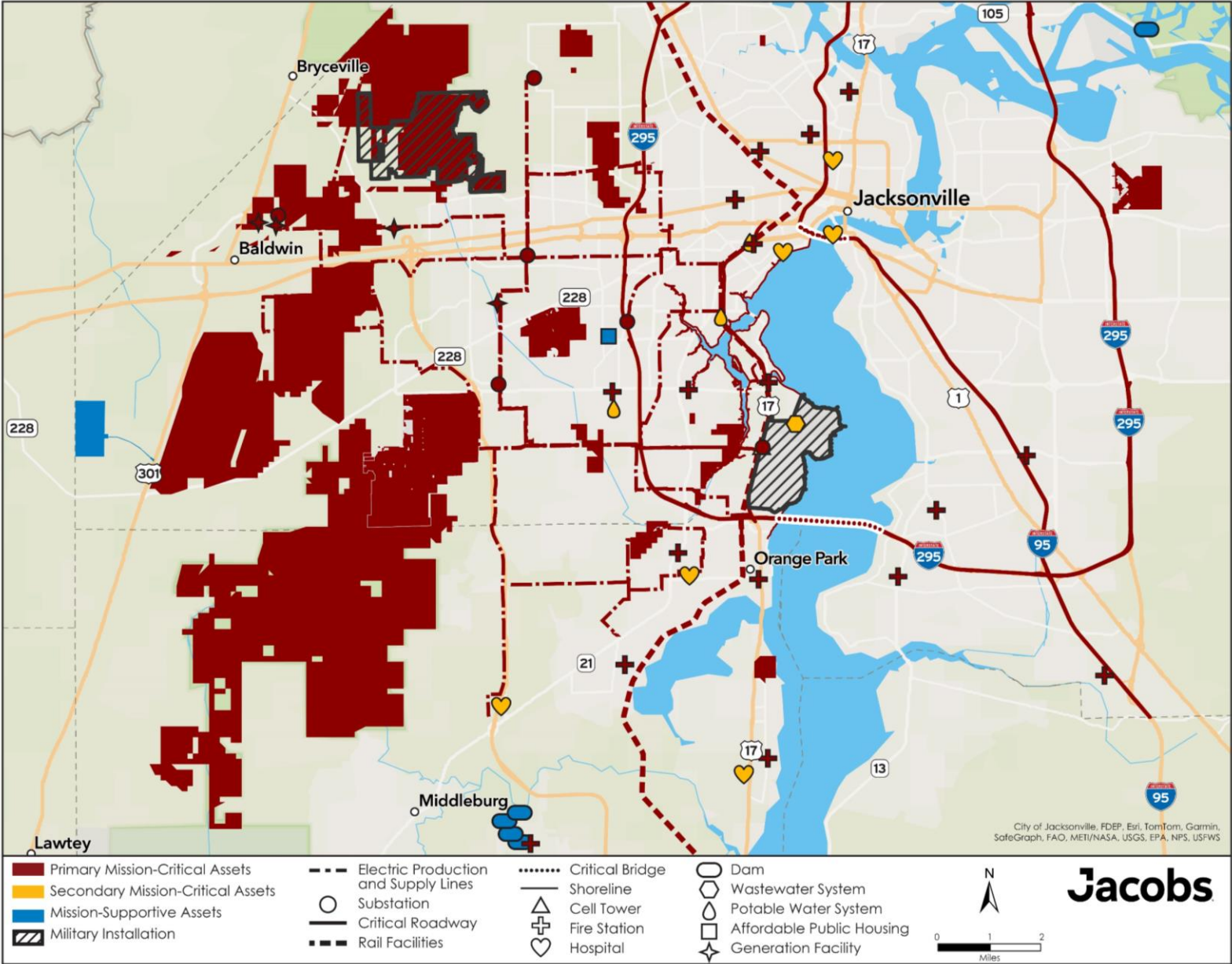
- Affordable housing
- Childcare facilities

Assets Providing Indirect Support

- Solid and Hazardous Waste Facilities
- Stormwater systems



NAS JAX: Mission Critical Assets



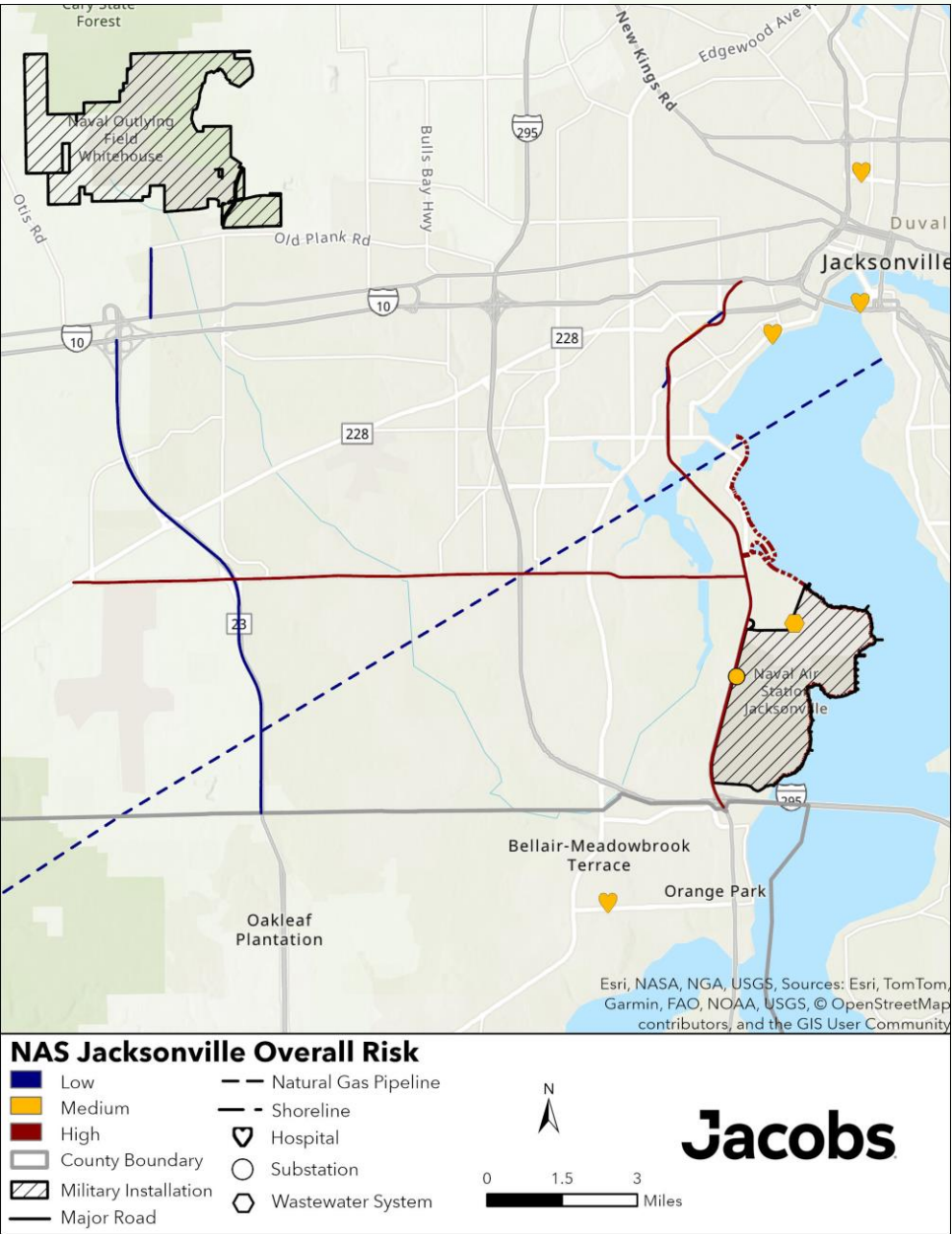
NAS JAX: Risks to Mission (Quantitative)

Asset Type and Name	Asset Owner	Extent	Mission-Criticality	Relevant Shocks/Stresses	Risk to Mission	Level of Urgency
Roosevelt Blvd	FDOT	West of base	Primary	Congestion, Lack of redundancy	High	Immediate
103 rd St / Timuquana Rd	FDOT	Access to Whitehouse	Primary	Rainfall flooding, SLR	Medium	Near-term
Regional Hospitals	Various	Regional	Secondary	Rainfall flooding, Storm surge, Compound flooding, Wildfire	Low- Medium	Near - Long-term
Halsema Rd	County	Access to Whitehouse front gate	Primary	N/A	Low	Long-term
Natural Gas	Florida Gas, Southern Natural Gas	Regional	Primary	N/A	Low	Long-term

NAS JAX: Risks to Mission (Qualitative)

Asset Type and Name	Asset Owner	Extent	Mission-Criticality	Relevant Shocks/Stresses	Risk to Mission	Level of Urgency
NOLF Whitehouse	Various	Installation Boundary	Primary	Encroachment (development pressures, dark skies impacts), Wildfire	High	Immediate
Electric Substation	JEA	West of base	Primary	Lack of redundancy	High	Immediate
Wastewater System	N/A	N/A	Secondary	Lack of redundancy, Regulatory requirements	Medium	Near-term

NAS JAX: Risks to Mission



Next Steps & Questions



Next Steps & Questions

- Feedback and Comments
- Mutual Support Agreements
- Adaptation Strategy Kickoff
- Next TAC Meeting – February
- Emergency Management Exercise – May 2026





Northeast Florida Regional Council
Military Installation Readiness Review

Thank You



Comments / Feedback please email:
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Jacobs