

FLORIDA DEFENSE INFRASTRUCTURE PRIORITY:

Cape Canaveral Space Force Station Wastewater Treatment

Brian Baluta
VP Communications & Partner Relations
Economic Development Commission of
Florida's Space Coast

January 20, 2022

Credit: U.S. Air Force photo by James Rainier





CHALLENGE & OPPORTUNITY

CHALLENGE:

21st century multi-user spaceport served by 1950s-era wastewater collection system and 25-year-old treatment plant owned and operated by U.S. Space Force.

New Florida **advanced wastewater treatment (AWT)** standards to protect **Indian River Lagoon** will require significant capital investment by federal, state and local stakeholders to comply.

OPPORTUNITY:

\$200K for feasibility study is **key to unlocking substantial federal and state grants** intended to address such challenges, including helping defense communities support military installations with **resilient and sustainable infrastructure.**



RISE OF MULTI-USER SPACEPORT

Eastern Range Launch Manifest

Record-setting pace in 2020 and 2021

- 62 total launches from Cape Canaveral Space Force Station (CCSFS) and Kennedy Space Center (KSC).

Driven by convergence of defense, civil and commercial space

- Annual launch rate is projected to increase to **nearly 100 by 2030.**

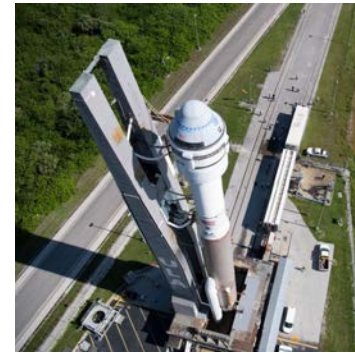


**FUTURE
IS HERE**

Entering Unprecedented Era in Space Access



SpaceX Starship



Boeing Starliner



Astra



Blue Origin New Glenn



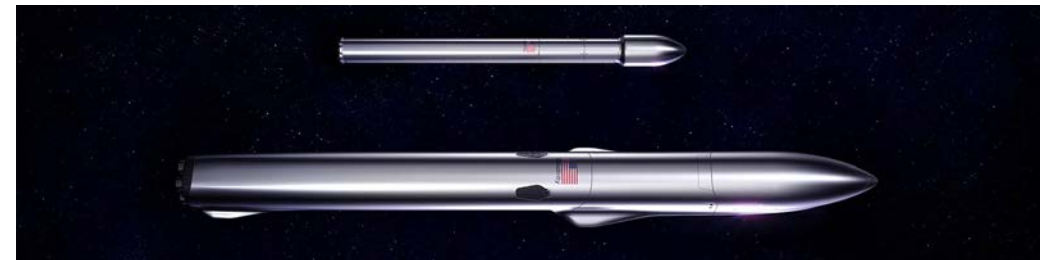
SLS & Artemis



ULA Vulcan Centaur



Sierra Space Dream Chaser



Relativity Space



**CENTER OF
PRODUCTION**

Paradigm Shift: Make 'Em and Launch 'Em

KSC now home to fast-growing space manufacturing operations.

BLUE ORIGIN

OneWeb  Satellites

LOCKHEED MARTIN



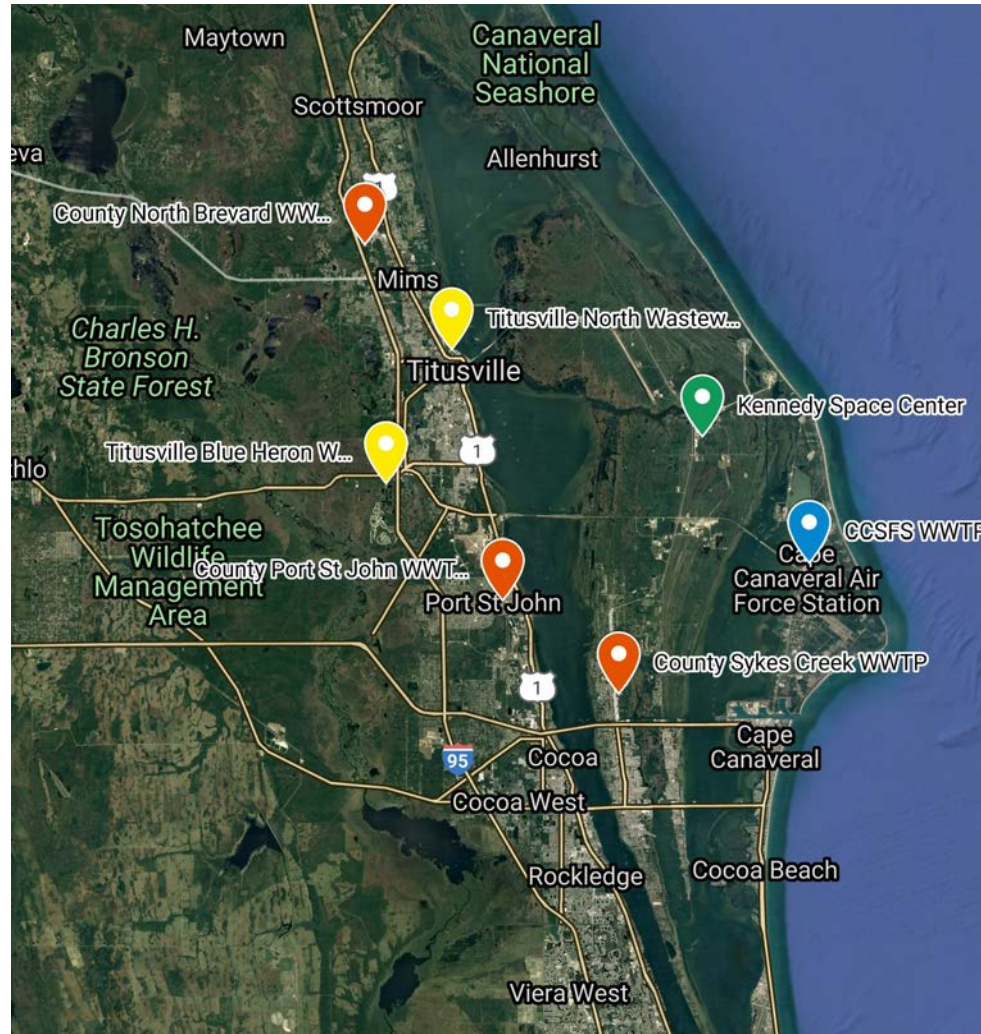
Jacobs





**OPPORTUNITY
TO BE MORE
STRATEGIC**

Surrounding Area Presents Optimal Case for Regional Planning Approach Favored by Florida Department of Environmental Protection (DEP)



In proximity to CCSFS, at least five WWTPs (three owned and operated by Brevard County and two by City of Titusville) need upgrades to meet AWT standards.



CLEAR PATH FORWARD

Feasibility Study to Catalyze:

- **Basis of design for WWT project fundable by:**
 - **Office of Local Defense Community Cooperation Grants** prioritizing infrastructure, resiliency, sustainability and mission growth (for ex. STARCOM).
 - **Florida Department of Environmental Protection Grants** (boosted by federal ARPA and BIF funds) prioritizing regional, resilient and innovative approach.
- **Adoption by local champion who will own and operate rather than USSF.**



THANK YOU & QUESTIONS



Florida Defense Industry Economic Impact Analysis 2022 Update

Matt Schwalb, MS
Senior Research Analyst
Matrix Design Group, Inc.



in association with





Agenda

- How We Define the Defense Economy
- Trends in Florida Defense Spending
- State and Regional Impacts
- Key Takeaways



How We Define the Defense Economy

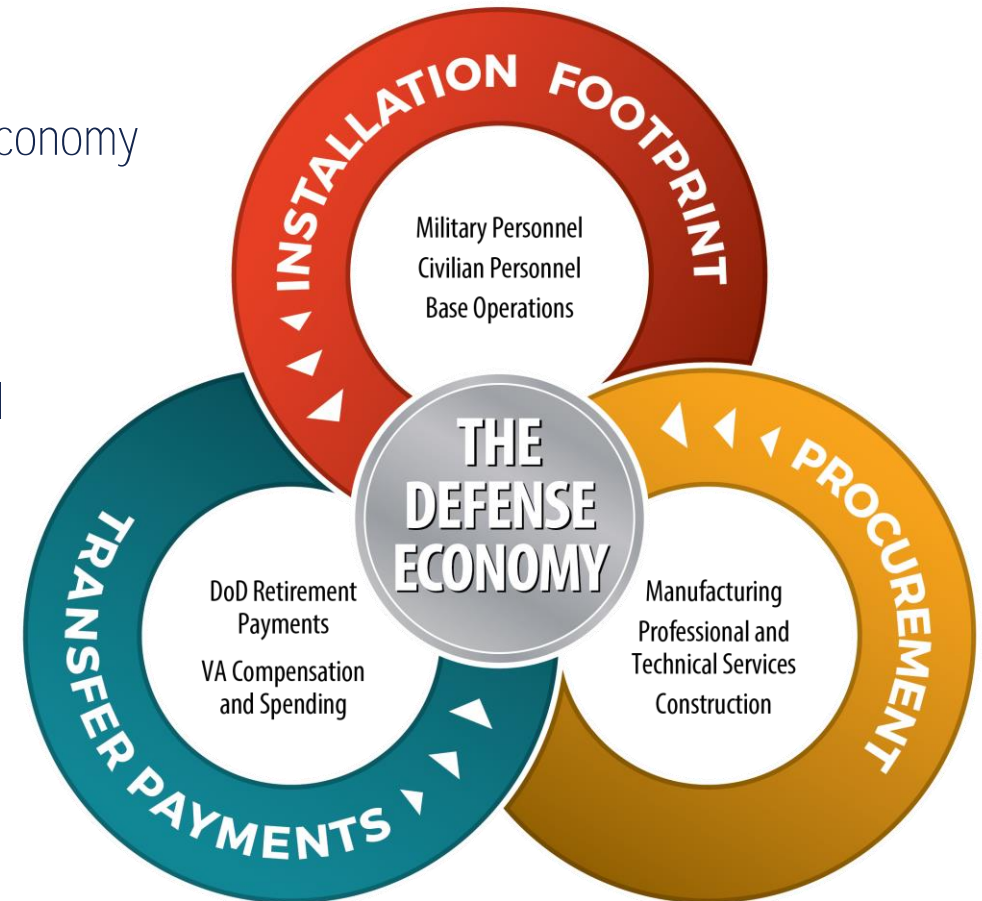
Defense Industry Economic Impact Analysis


➤ Economic Impact Analysis

- Estimates how defense spending ripples through the Florida economy
- Captures direct, indirect, and induced spending
- Each economy is different, leading to varying impacts
- Utilizes the industry standard REMI PI+ socio-economic model

➤ Spending Types

- Installation Footprint
- Procurement
- Transfer Payments

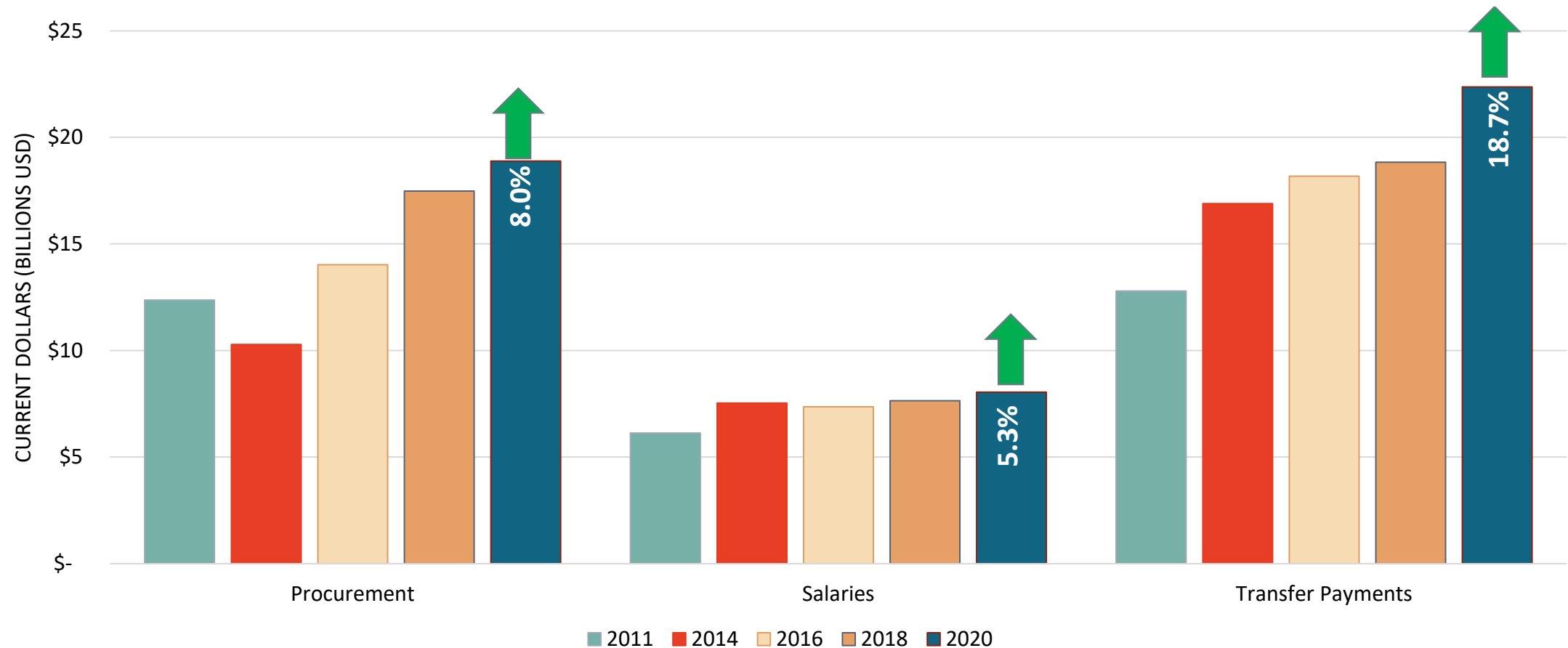




Florida Trends in Defense Spending

Historical Defense-related Spending

Total Direct Spending was \$49.3 billion in 2020 – up 12% from 2018 (\$44.0B)



Source: US Dept. of Veterans Affairs; DOD Office of the Actuary; US Dept. of Treasury; US Bureau of Economic Analysis

How Florida Ranks in Defense-related Contracting

Florida consistently ranks in the top 10 for defense contracts and grants

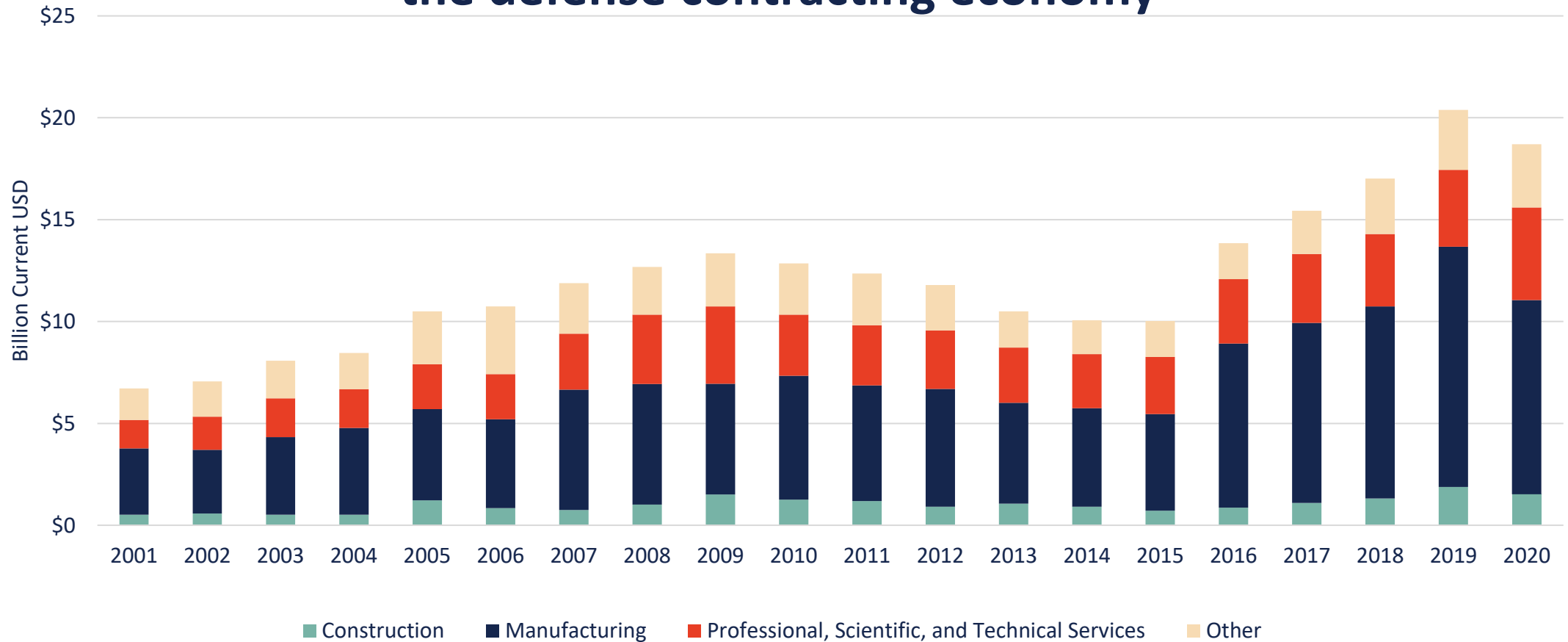
Rank	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1	CA	CA	VA	CA	CA	VA	CA	CA	TX	TX	TX	TX
2	VA	VA	CA	VA	VA	CA	VA	VA	VA	VA	VA	VA
3	TX	TX	TX	TX	TX	TX	TX	TX	CA	CA	CA	CA
4	MA	FL	AZ	MD	MD	CT	MD	CT	FL	FL	FL	CT
5	FL	MA	CT	MO	AZ	MD	CT	FL	MD	MD	CT	MD
6	MD	MD	MD	AZ	MA	PA	PA	MD	PA	CT	MD	FL
7	AZ	PA	FL	CT	FL	FL	FL	PA	CT	MO	PA	AZ
8	PA	CT	PA	PA	CT	AZ	MA	MO	AZ	PA	MA	MA
9	CT	AZ	MA	FL	PA	MA	AL	WA	MA	MA	MO	PA
10	MO	MO	AL	MA	MO	AL	AZ	MA	MO	AZ	AZ	MO

Source: Department of Treasury

Dollar values are current USD

Defense Contracts Performed in Florida

Manufacturing and Professional, Scientific, & Technical Services industries drive the defense contracting economy

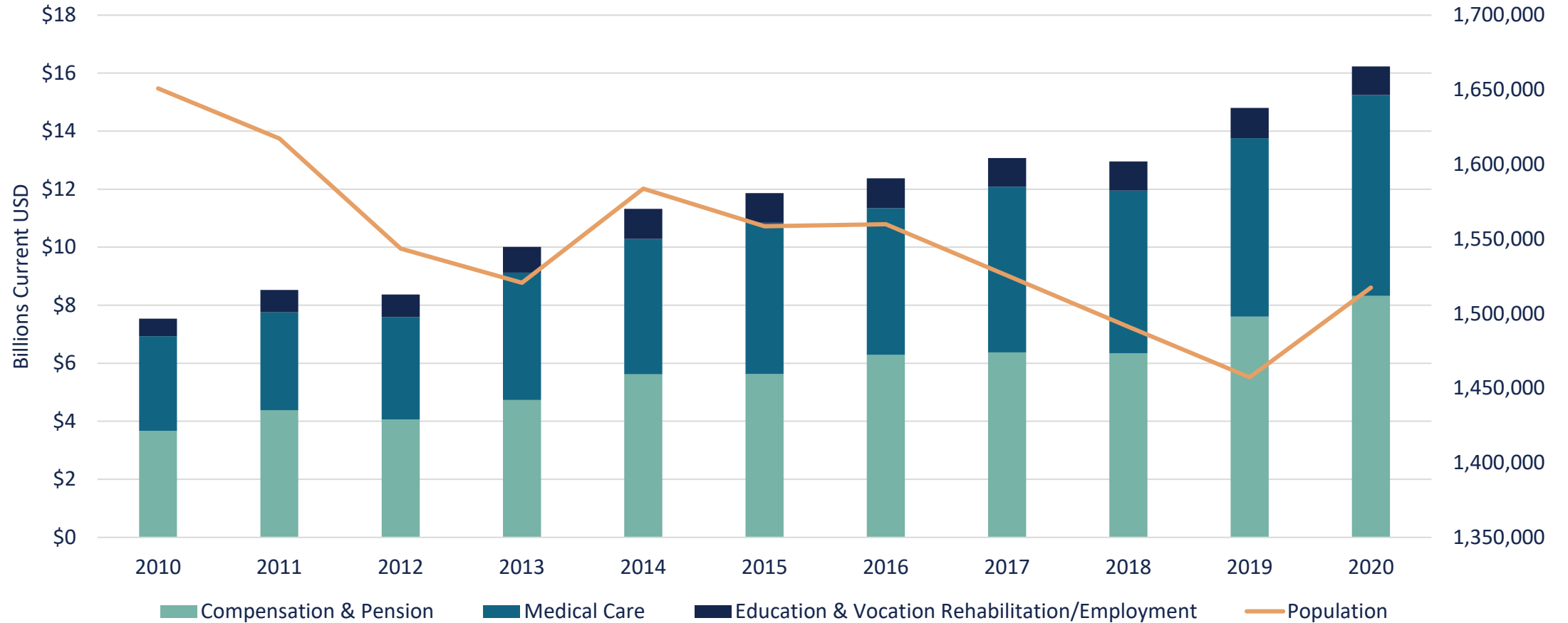


Source: Department of Treasury

Dollar values are current USD

Historical Veterans Population and Benefits

Nationally, veteran population is down 14%, while Florida is only down 8%

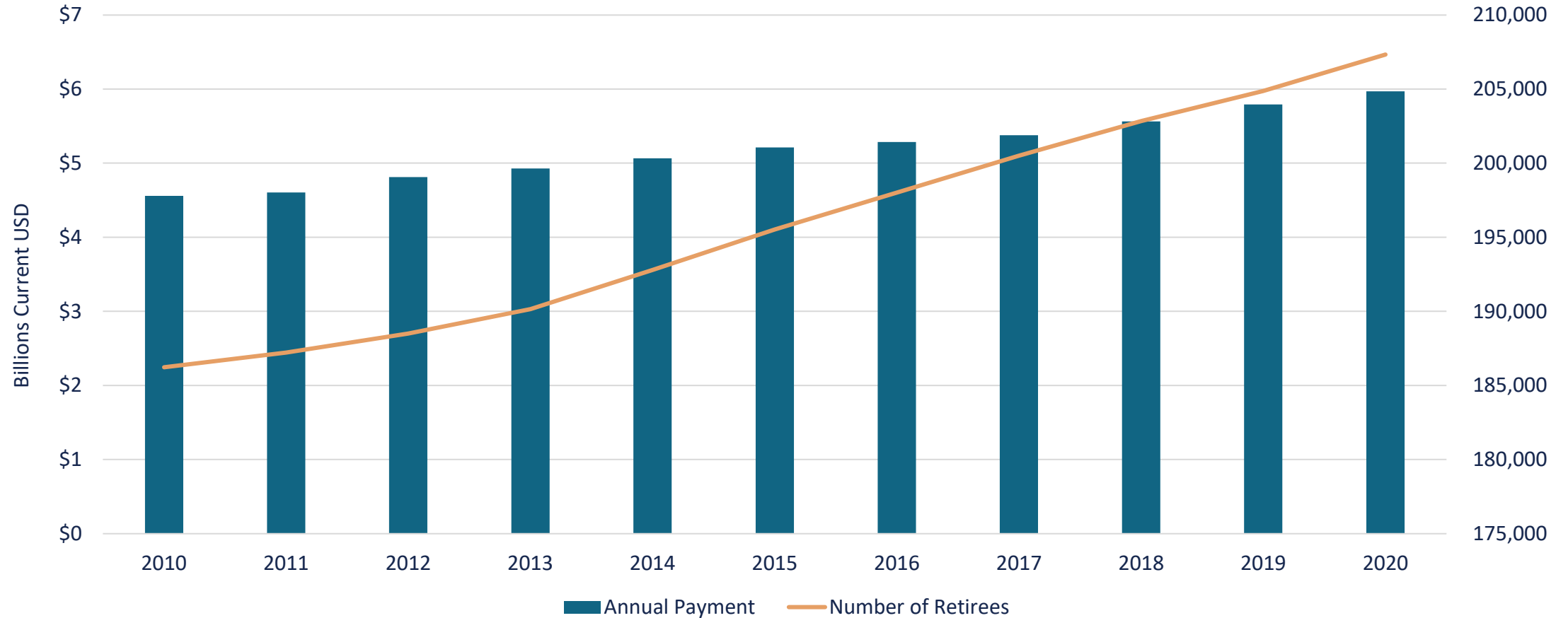


Source: Department of Veterans Affairs

Dollar values are current USD

Historical Military Retiree Population and Pensions

Florida outpaces the nation in retiree population growth – 11% vs 7%



Source: Department of Defense, Office of the Actuary

Dollar values are current USD



State and Regional Impacts

Total Economic Impacts from Defense Spending, 2020

Key Takeaways

- Direct spending up **12%** since 2018
- Total economic impacts increased **1.7%** since 2018 to **≈ \$96.6 billion** in 2020
- Total jobs supported declined by **6%** since 2018 to **≈ 860,221** in 2020
- Household spending (induced impacts) did not generate levels of economic activity consistent with past
 - Result of COVID-19 changing household consumption patterns (Brick & Mortar vs E-commerce)
 - Contributed to **≈ 6%** decrease in number of total jobs supported by defense-related spending
- Defense industry accounts for **≈ 8.5%** of Florida's economy
- Florida defense economy acted as a stabilizing force
 - Outpaced total state growth during pandemic

Total Economic Impact by Year and Type		
Impact Type	Year	Impact
Total Direct Spending	2018	\$44.0
	2020	\$49.3
	% Change	12.2%
Economic Impact Gross State Product (Current USD)	2018	\$94.9
	2020	\$96.6
	% Change	1.7%
Total Jobs Supported	2018	914,787
	2020	860,221
	% Change	-6.0%

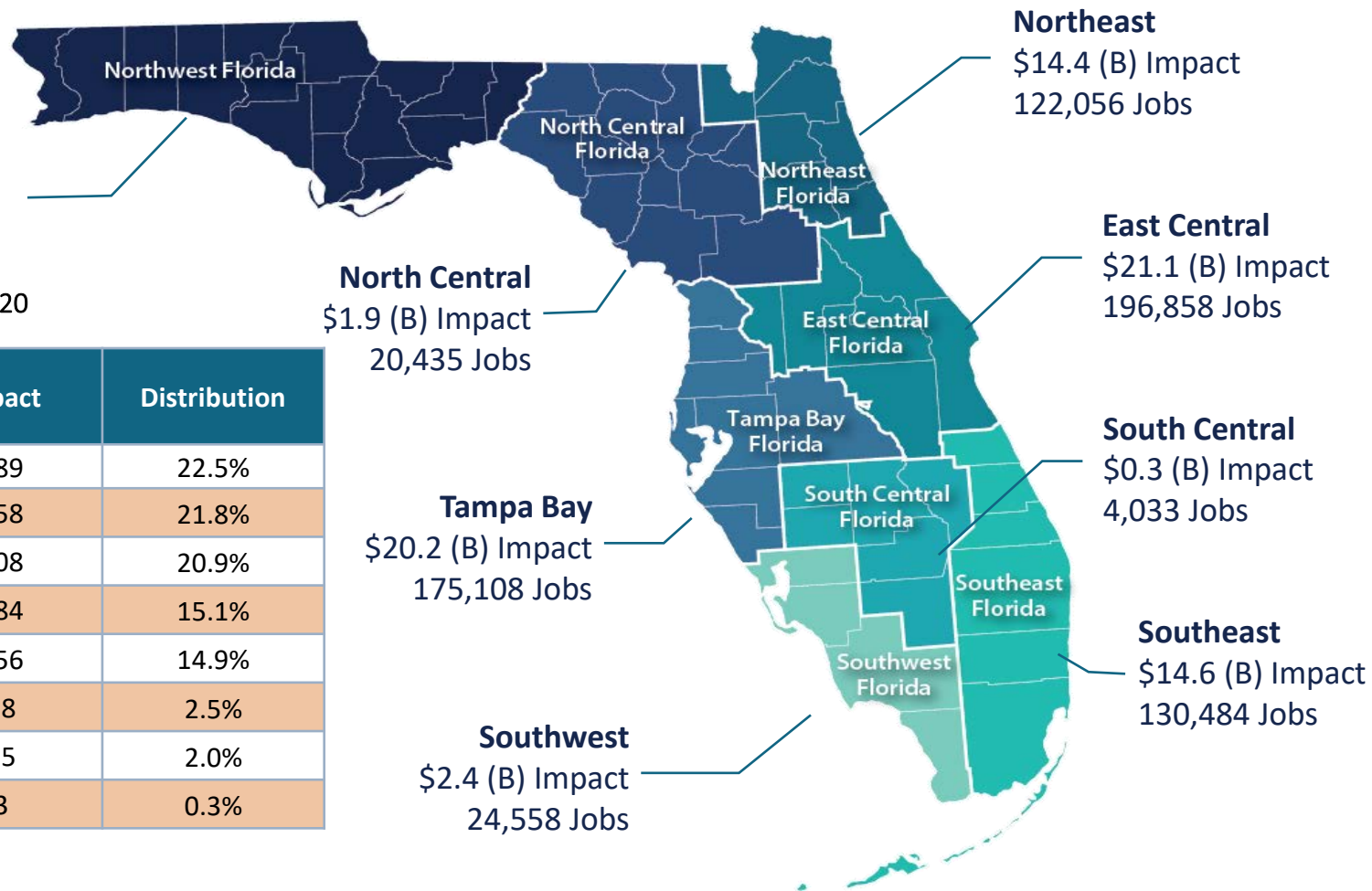
Source: REMI Pi+ Version 2.5.0 (build 5955)

Dollar values are current USD.

Regional Defense-related Impacts, 2020

Regional Impacts as a Percent of Whole, 2020

Region	GRP (Billions USD)	Job Impact	Distribution
Northwest	\$21.8	186,689	22.5%
East Central	\$21.1	196,858	21.8%
Tampa Bay	\$20.2	175,108	20.9%
Southeast	\$14.6	130,484	15.1%
Northeast	\$14.4	122,056	14.9%
Southwest	\$2.4	24,558	2.5%
North Central	\$1.9	20,435	2.0%
South Central	\$0.3	4,033	0.3%



Source: REMI Pi+ Version 2.5.0 (build 5955)

Dollar values are current USD and totals may not sum due to rounding.



 **ENTERPRISE
FLORIDA**SM

Thank you!

**FLORIDA
DEFENSE
SUPPORT**
★ ★ ★
TASK FORCE

 **Matrix** in association with

 **ABLE**
OPERATIONS
ECONOMIC & WORKFORCE ANALYTICS



FLORIDA DEPARTMENT OF VETERANS' AFFAIRS

Honoring those who served U.S.

Department Update

January 20, 2022

Major General James S. "Hammer" Hartsell
U.S. Marine Corps (Retired)

Our Mission & Vision

Mission: To advocate with purpose and passion for Florida Veterans and link them to superior services, benefits & support.

Vision: FDVA is premier point of entry for Florida Veterans to access earned services, benefits & support.

Did you know? Sunshine State projected to have 2nd highest Veteran population by 2032.



Focus: Women Veterans

Demographics: Sunshine State has 2nd largest population of Women Veterans in nation - more than 164,000.

Challenge: Many women veterans don't know they're eligible for full range of earned benefits & services.

Town Hall Meetings: FDVA held four meetings in 2021 to gauge understanding of issues; report to FDVA due March 2022



Focus: Vietnam Veterans

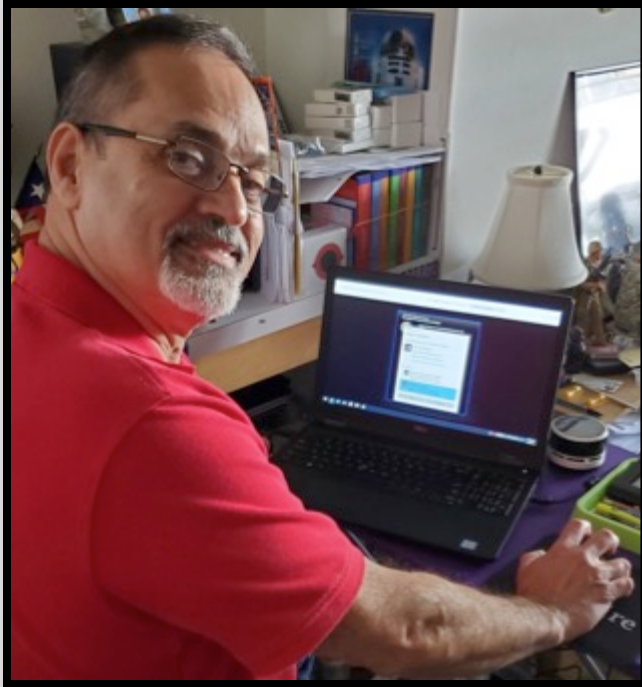
Demographics: Approximately out of every three Veterans in Florida is a Vietnam-era Veteran - more than 484,000; projected tops in nation in 2025.

Challenge: Reluctant to seek help. VA recognizes service may have exposed Veterans to Agent Orange & other herbicides.

Town Hall Meetings: Scheduled following legislative session; report to FDVA due summer 2022



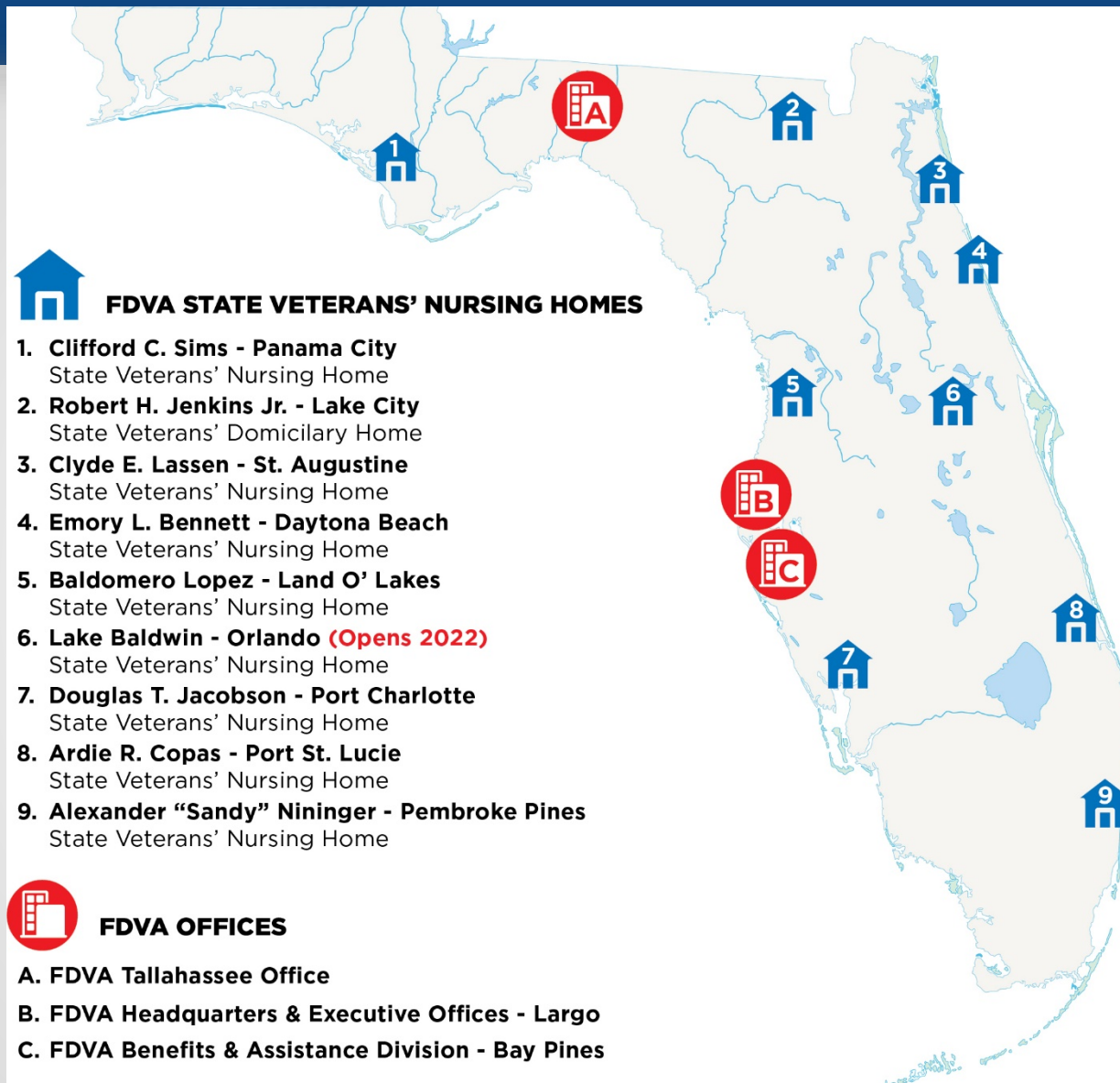
Veterans' Claims Examiners



(727) 319-7440 - Phone Call Returned
(727) 319-7408 - Video Conference Request
VSO@fdva.state.fl.us



State Veterans' Homes



Veteran Suicide Prevention



FLORIDA Governor's Challenge

Preventing Suicide Among Service
Members, Veterans & Their Families

www.SaveFLVets.org

2021 Florida Legislative Session

Major veteran-related bills



- **HB 231 - FDVA establishes *Florida Veterans' Care Coordination Program* to provide and expand behavioral health care referral and care coordination services for veterans and families.**
- **Partners with 14 Florida 2-1-1 Network participants to provide services.**



- **HB 7023 - Veterans Treatment Courts legislation creates uniform standards and procedures for Florida's current and future VTCs.**

2022 Florida Legislative Session January 11 – March 11, 2022

Governor DeSantis' Freedom First Budget Strongly Supports Florida's Veteran Community

- *Funding for completion/staffing of additional state veterans' nursing homes in Port St. Lucie and Orlando*
- *Capital improvements/replacement of equipment & furniture for state's operational veterans' homes*
- *Additional **\$\$\$** for contract services to cover agency staffing, housekeeping, therapy, medical & pharmacy services; upgraded information technology to track facility medical equipment & resident medical needs*

2022 Florida Legislative Session

January 11 – March 11, 2022

Governor DeSantis' Freedom First Budget Strongly Supports Florida's Veteran Community

- *Provides \$350,000 for continuation of veteran suicide prevention outreach program - "Governor's Challenge to Prevent Suicide Among Service Members, Veterans and their Families"*
- *Continues funding for Veterans Florida, the non-profit created by the State of Florida to help military veterans transition to civilian life and promote Florida's status as the nation's most veteran-friendly state.*

2022 Florida Legislative Session Veteran-related bills

Among the highlights:

- **Recognizing Veteran Suicide** - HB 63 (Willhite) & SB 302 (Burgess) - Urges Congress to recognize epidemic of suicide among veterans & fully fund suicide prevention efforts by the VA
- **Educator Certification Pathways for Veterans** - HB 573 (Snyder) & SB 896 (Burgess) - Expands eligibility to seek educator certification to specified servicemembers; authorizes DOE to issue temporary certificate to specified servicemembers & specifies duration of temporary certificate for specified servicemembers.

2022 Florida Legislative Session

Veteran-related bills

Among the highlights:

- **State Park Fee Discounts** - HB 115 (Casello) & SB 232 (Harrell) - Active duty members and veterans who are Florida residents will receive a lifetime family annual pass at no cost.
- **Military Medics and Corpsmen of Florida Program** - HB 131 (Woodson) & SB 466 (Torres) - Requires FDVA & DOH to establish & administer Military Medics and Corpsmen of Florida program; authorizes medically trained veterans participating in program to perform certain medical activities under specified supervision.

2022 Florida Legislative Session

Veteran-related bills

Among the highlights:

- **Alcohol Purchases by Veterans' Service Organizations** - HB 755 (Overdorf) & SB 1082 (Gruters) - Revises limitations on purchases of alcoholic beverages by vendors from vendors to exclude purchases by certain veterans' service organizations
- **United States Space Force** - HB 465 (Sirois) & SB 438 (Burgess) - Revising the definition of the term “uniformed services” to include the United States Space Force.

2022 Florida Legislative Session January 11 – March 11, 2022

For information on veteran-related legislation, please contact:

Colonel Roy Clark, U.S. Army (Ret)

Legislative and Cabinet Affairs Director

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ClarkR@fdva.state.fl.us

Christian Cochran

Public Information and Research Specialist

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Follow Veteran-Related Legislation Online



www.FloridaVets.org/News



FDVA



FLORIDA DEPARTMENT OF VETERANS' AFFAIRS

Honoring those who served U.S.



#FLVets

GI LAW



**GOVERNOR DESANTIS'
GI LAW INITIATIVE**



VETERANS FLORIDA

Your Pursuit • Our Power

Mission and Programs

Florida Defense Support Task Force Update 1/20/22

Purpose

Veterans Florida is a non-profit corporation created by the State of Florida in 2014 to help veterans fully transition to civilian life in the Sunshine State and to promote Florida, the most veteran-friendly state in the country, as the best place to reside upon leaving the military.

Board of Directors

veteransflorida.org



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Jim Sampey



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Lynda Weatherman

VETS Program

Veterans Employment and Training Services, Section 295.22, Florida Statutes

veteransflorida.org

Statute

Promote the state to veterans

Veterans seeking employment

Employers seeking veterans

Workforce grant for employers

Veteran entrepreneur initiative

Florida's principal DOD SkillBridge assistance organization

Services

Marketing with VISIT Florida

Career Services

Workforce Recruiting

Workforce Training Grant

Entrepreneurship Program

Florida SkillBridge Initiative

Marketing

Target

veteransflorida.org

US Servicemembers 12 months prior to, and veterans within 24 months after, separating or retiring from the military

200,000

separate each year across the country

Geographically located at major and minor military installations in Florida and around the country, predominantly in the Southeast US, Texas, California, and East Coast US

Marketing

Branding and Messaging

veteransflorida.org



Veterans Florida

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A high-growth economy, no taxes on income or military retirement, and beautiful weather all year. Create a profile to let us power your pursuit.

HIGH SPEED, LOW DRAG.

Careers. Resumes. Placement.



The approval of U.S. Department of Defense. Official information does not imply or constitute endorsement.



Veterans Florida

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The country's top schools?

Veteran resource centers on every campus?

Booming economy?

Florida's the top state for veterans and it's not even close.

<https://www.veteransflorida.org/veteran-r.../higher-education/>



#1 FOR HIGHER EDUCATION



Career Services

Transition Services

- Inform about Florida industries and opportunities
- Activity checkpoints as retirement or separation approaches

Career Services

- Skills and career preference assessments
- Resume assistance
- Interview preparation

Job Placement

Coach veterans through start date at new job

Available to transitioning service members, veterans, Guard/Reserve, and spouses

Entrepreneurship

Workshops and Networking

- Topical and specific lessons for a group lasting a few hours
- Build their local business and mentorship network

Facilitated Cohorts

- In depth courses over several weeks
- 10-12 veteran businesses in Idea/Startup or Growth
- Pathway for moving business to next stage
- Mentoring provided

Co Working and Incubators

- Reserved memberships for veterans to take advantage of office and meeting space, local resources, and mentoring

Available to transitioning service members, veterans, and Guard/Reserve - spouses may join

SkillBridge

veteransflorida.org

Program

- Servicemembers with less than 180 days until separation or retirement
- Gain workforce training at an employer or industry partner under an apprenticeship or internship in lieu of their military duties
- Retain their full DoD pay and benefits.
- Commander approval

Available to transitioning service members

Industries

- Aerospace, logistics, law enforcement, agriculture, etc.

Agriculture

IFAS Internship

- 6 months paid fellowship at a University of Florida Institute of Food and Agricultural Sciences Research Center
- Learn skills in various Florida agricultural areas from farming to ranching

Job Placement

Place into full time work in agriculture industry

Available to transitioning service members, veterans, and Guard/Reserve. Veterans and Guard/Reserve access program through our USDA funded **AgVets** three year grant. Transitioning servicemembers access program through our DoD **SkillBridge** certification.

FY 2021-22 Priorities

Legislative Budget Request

Operations

\$400,000
(increase of ~ \$55,000)

VETS Program

\$2 million
(increase of \$700,000)

Mission and Programs



veteransflorida.org

Copies of these slides and additional materials may be requested and obtained by emailing marino@veteransflorida.org



FLORIDA VETERANS

— F O U N D A T I O N —

NO FLORIDA VETERAN LEFT BEHIND

Who We Are

Established by the Florida Legislature in 2008

Direct Support Organization of Florida Department of Veterans' Affairs (FDVA)

501(C)(3) Nonprofit - Accountability

Independent Audit ▪ FDVA statutory oversight ▪ 990 forms are on HelpFIVets.org.

FVF is registered with the Florida Department of Agriculture & Consumer Resources.

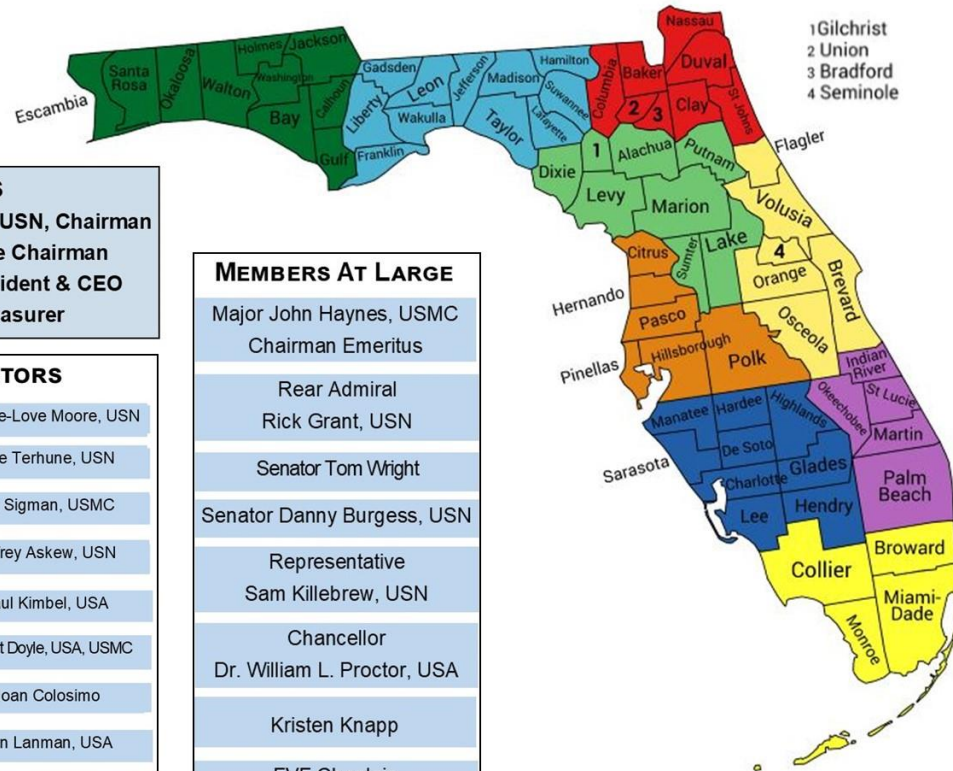


FLORIDA VETERANS FOUNDATION, INC.

Board of Directors

Email - FVF@FDVA.state.fl.us










Phone - 850-488-4181



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2 Union
3 Bradford
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Represents Nearly 1.5 million Veterans PLUS their Survivors &
Families All Branches of Service and All Service Eras
World War II • Korea • Vietnam • Cold War • Global War on Terror

- **28,000 Florida Veterans Monthly**
- **Florida Veteran's Council**
- **375 Florida Veterans Service Organizations (VSO's)**
- **67 Counties - 135 CVSO's**
- **Provides Education & Relief Resources to Florida Veterans**
- **Partnerships (DAV, Project Vet Relief, NAVF, BALS, CCTB)**





Aging Wartime Veterans & Survivors

Pension *Plus* Aid & Attendance (A&A)

20,000 Veterans X \$50,000 (Average Benefit)

= \$1,000,000,000 In Benefits

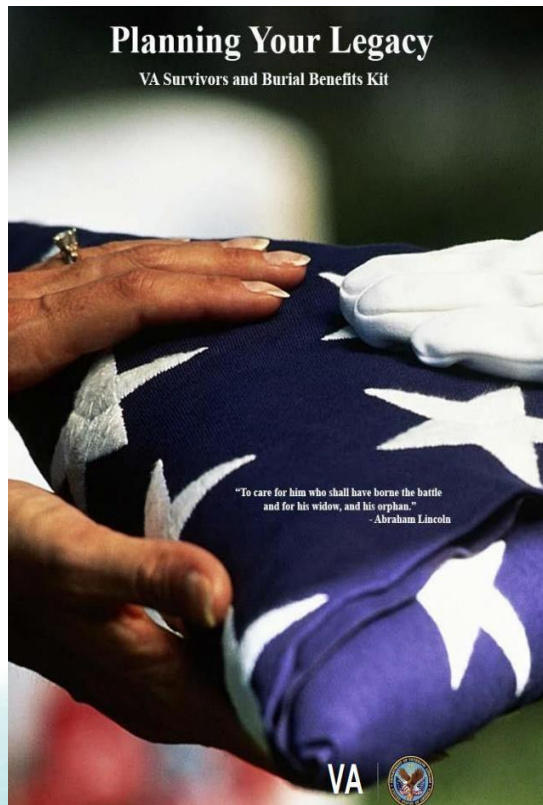
At NO COST TO THE VETERAN!

Claims Partners  Helped Veterans Claim

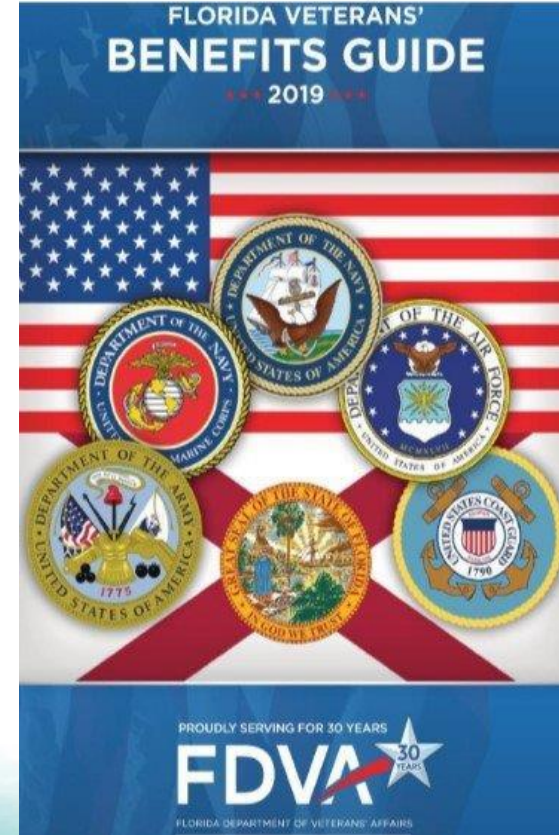
TAX FREE

www.HelpFLVets.org
Resources

VA Survivors & Burial Benefits Kit



Print & Digital



NO FLORIDA VETERAN LEFT BEHIND

Join Our
TEAM



Let us strive...to care for him
who shall have borne the
battle, and for his widow,
and his orphan...

~ Abraham Lincoln

**Volunteer
Donate
Support**

**Lew Wilson
850-488-4181
Extension 1**

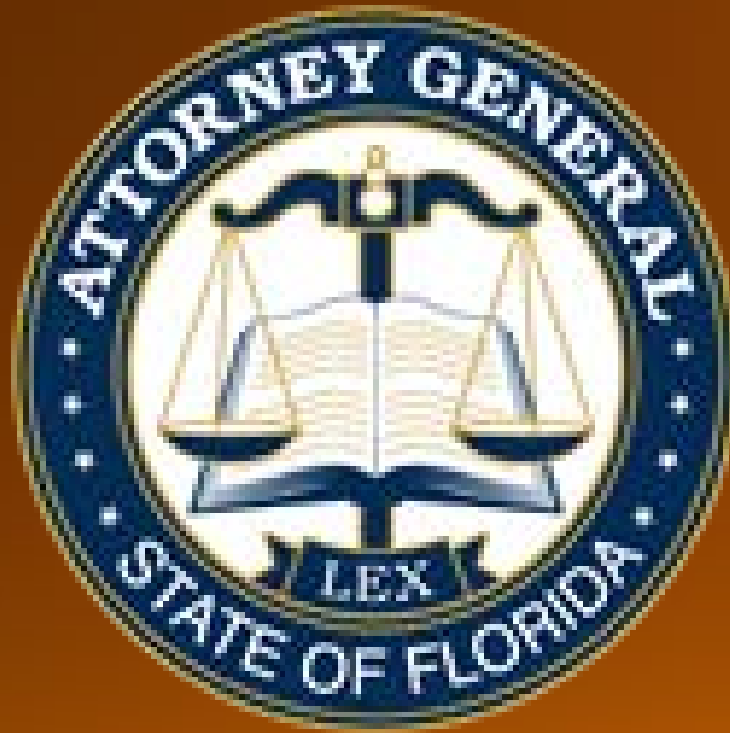


www.HelpFLVets.org

Email

FVF@FDVA.State.FL.Us





Office of the Attorney General
State of Florida

Attorney General Ashley Moody



- Office of the Attorney General
- Department of Legal Affairs
- Consumer Protection Division



Florida's Consumer Protection Statute

- The Florida Deceptive and Unfair Trade Practices Act, Chapter 501, Part II, Florida Statutes (“FDUTPA”).
- To protect the consuming public and legitimate business enterprises from those who engage in unfair methods of competition, or unconscionable, deceptive, or unfair acts or practices in the conduct of any trade or commerce. Florida Statutes § 501.202(2) (2021).



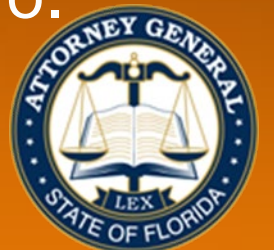
Why Florida Needs the MVAP

- Florida has the third largest population of veterans in the Nation after California and Texas with more than 1.5 million veterans – 12 percent of the Sunshine State’s population 18 and over.
- Florida has one of the largest active duty and selected reserve populations in the nation, with nearly 100,000 as of 2020.
- Florida-based military servicemembers and veterans need access to legal assistance to address consumer protection issues.
- The number of OAG complaints received from Military servicemembers does not accurately reflect the number of Military servicemembers targeted by unscrupulous business practices.
- Complaints received from Military servicemembers are often appropriate for individual remediation.



Outreach & Education

- We partner with military and veteran organization leadership statewide and nationwide to provide education and information regarding emerging scams targeting servicemembers, reservists, and veterans and ways in which our program can assist this community.
- In 2021, we attended numerous events to reach veterans and servicemembers, including the Soldier's Angels Food Drive in Orange County and state senator Tom Wright's annual Veteran's Day benefit concert event in Volusia County, just to name a two.

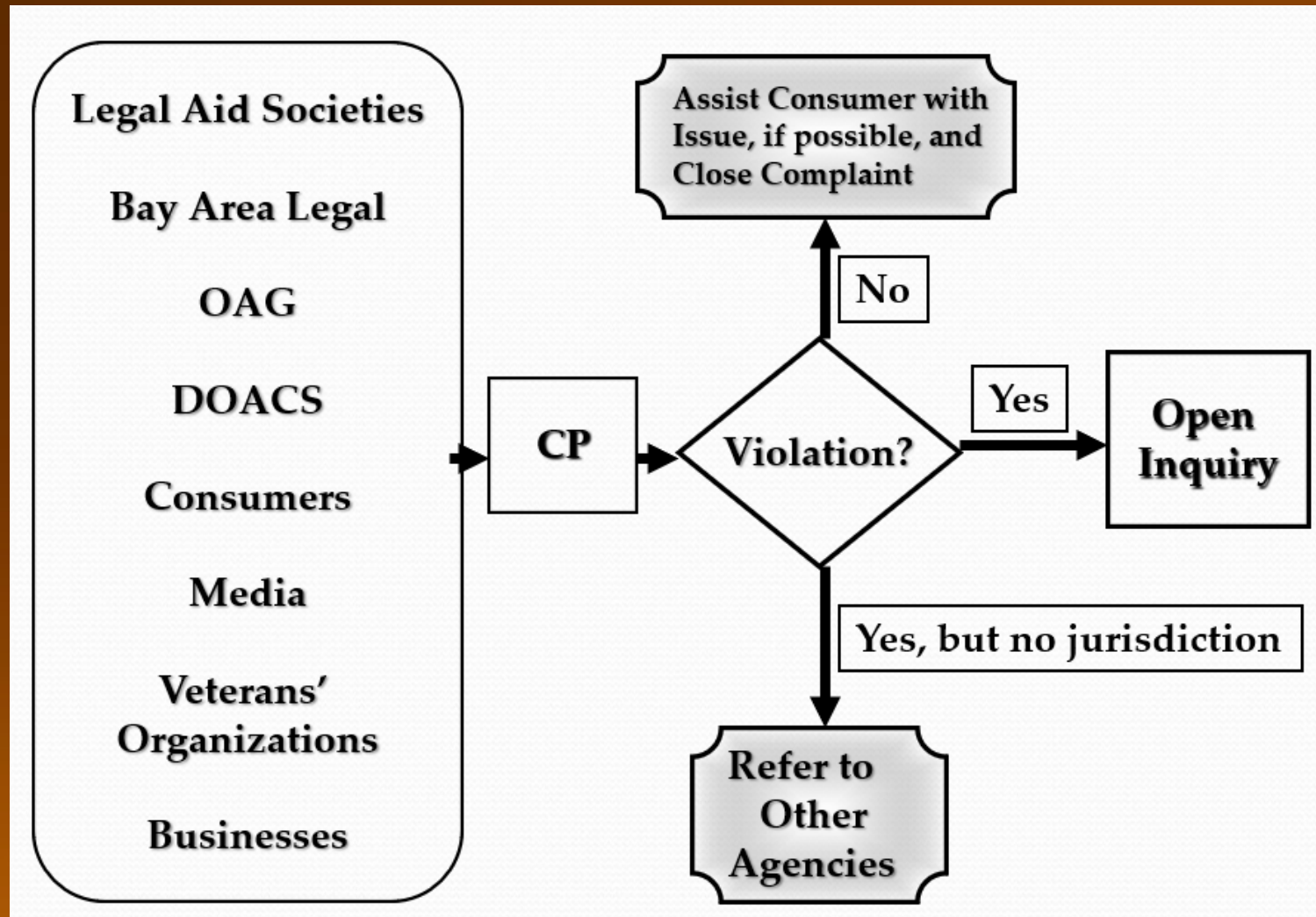


File a MVAP Complaint

- Call the Attorney General at: [1 \(866\) 966-7226](tel:18669667226) or [1 \(866\) 9-NO-SCAM](tel:18669667226)
- Complaint Website: <https://www.myfloridalegal.com/mvap>
- Complaint Web Form:
<http://myfloridalegal.com/Contact.nsf/MVAP3?OpenForm>
- Print and post (English):
[http://myfloridalegal.com/webfiles.nsf/WF/MNOS-B2JFTC/\\$file/2018+MVAP+Compalint+Form+English.pdf](http://myfloridalegal.com/webfiles.nsf/WF/MNOS-B2JFTC/$file/2018+MVAP+Compalint+Form+English.pdf)
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Complaint Lifecycle



Types of Complaints

- **"Pension Poaching"** involves financial salespeople who use deceptive sales tactics to sell veterans financial services which would reduce their income and assist in obtaining aid and attendance benefits.
- **Aid and Attendance Benefit Scams** are a type of benefits scam which involve deceptive tactics to obtain an unlawful, upfront fee in the preparation of the initial Aid and Attendance benefit application.
- **Veteran Charitable Scams**, involve companies soliciting donations promising to provide veterans employment, grants, housing or other financial assistance, but fail to deliver on their promises.
- **Affiliation Scams** involve companies using images (uniformed servicemembers, U.S. flag, armed services logos, etc.) and deceptive language to suggest they are affiliated with military and veterans' organizations to induce purchases and donations. This activity may be on the rise during the approaching holiday season (Veterans Day-Nov. 14).
- **Benefits Buyouts Scams** involve companies offering veterans a lump sum cash payment in exchange for the veterans' future benefits or pension payments.
- **Phishing Scams** involve companies sending emails falsely claiming to be from the VA/military to obtain confidential info. from veterans.
- **Moving Scams** moving brokers making false and misleading advertisements and conducting unfair and unconscionable business practices in the moving industry.
- **Loan Servicing Scams** involve mortgage servicers using unfair servicing practices, which includes loan modification and lending services. The Attorney General has a mediation service to assist veteran consumers with mortgage issues in our Tampa bureau.



Limited Jurisdiction

- For matters not within our consumer protection enforcement jurisdiction, our team will connect eligible servicemembers, reservists, and veterans to our partners-established network statewide.



MVAP Partnerships

Legal Aid



Pro Bono Attorneys



Law School Legal Clinic



Possible Pro Bono Referrals



Veteran Org. Partner



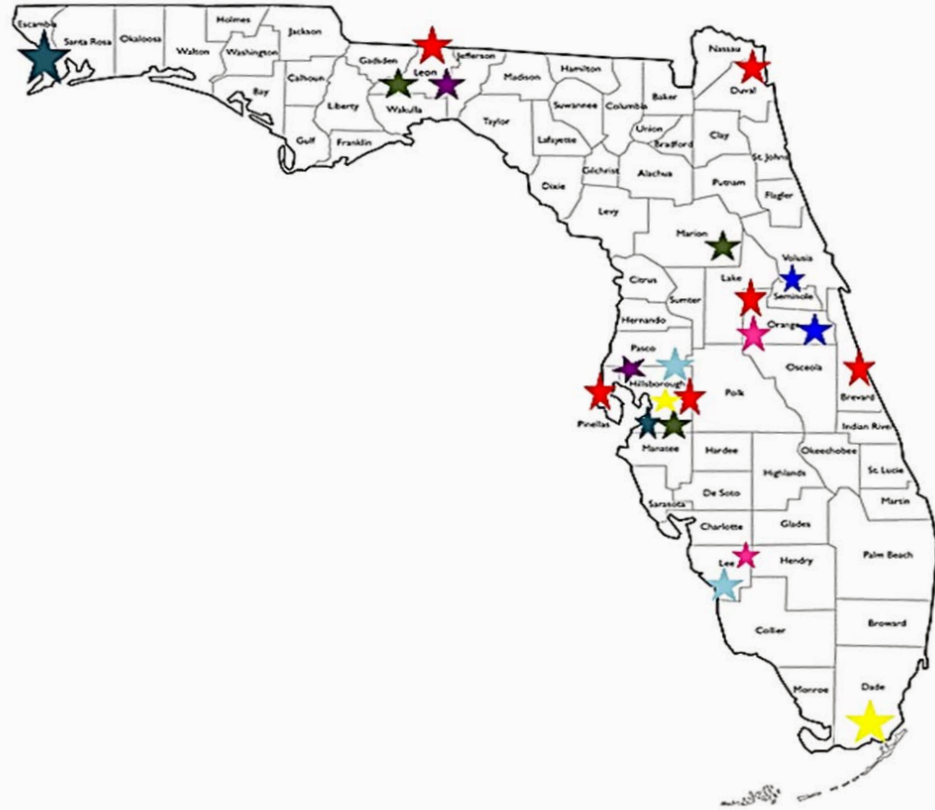
Agency Regulator



Law Enforcement



JAG / Base Partner



Enforcement

- The MVAP team monitors trends in complaints received and pursue consumer protection enforcement actions, where appropriate.

Investigative Power:

- Subpoenas and depositions of targets, witnesses, third parties, including bank records

Remedies:

- Appointment of a magistrate or receiver
- Asset freezes
- Disgorgement of profits
- Consumer restitution
- Restrictions from engaging in or establishing the same type of endeavor
- Dissolution or reorganization of any enterprise



Enhanced Penalties for Military Victims

- In 2013, as a result of the Office of Attorney General's efforts, our primary enforcement statute was amended to add an increased penalty amount, up to \$15,000 for willful actions, for each violation directed at military servicemember victims and their families. In essence, if a business is targeting this group, we may be able to get enhanced penalties.
- Willful violations occur when the person knew or should have known that his or her conduct was deceptive or unfair.
- "Military servicemember" means a person who is on active duty in, or a veteran of, the United States Armed Forces.
- Florida Statutes § 501.2077 (2021).



Significant Recent Resolutions

- **Healing Heroes Network:** Multistate investigation of the now dissolved charity that purported to provide medical services for veterans and military servicemembers.
- **Zeke's Vets Helping Vets:** Charging upfront consultation fees to help veterans apply for VA Benefits. Requesting a certain percentage of the retroactive pay for services rendered. Then takes the retroactive pay and claims it's a charitable donation to his 501 charity.
- **Help the Vets:** the charity and its owner are permanently banned from similar activities. Charity paid over 1.8 million dollars in charitable contributions to two charities whose mission is like Help the Vets. Semper Fi & America Fund and Hope for the Warriors received over \$911,000 in charitable contributions as a result of the settlement.
- **American Veterans Foundation:** as part of a joint settlement between our office, the FTC, and AVF, a charitable contribution of \$119,997 was donated to the Gary Sinise Foundation. Approximately \$ 30,000 was directed to the construction of a smart home in Jupiter, FL for retired US Army Sgt. Stefan Leroy.
- **Caring Avenues:** \$5,000 was refunded to consumers after the company reached a settlement with the Attorney General's Office for unlawfully aiding veterans with VA benefits.
- **Healing Heroes Network:** 11 state AGs charities investigation. The defendants signed a Stipulated Judgment banning any future charitable solicitation, and a payment of \$95,000 was paid to the states and distributed to a vetted charity to further the purported purpose of HHN.
- **In 2021, more than \$23,000** was returned to military and veteran complainants after the MVAP team intervened.



We Should Collaborate

- The goal of our program is to maintain a strong relationship with your agency, so we receive information quickly and stay one step ahead of the scammers who victimize our servicemembers, veterans and their families.
- Please let us know of any opportunities to speak or conduct outreach and education in your community.
- **We plan to:**
 - Continue outreach and education to help servicemembers and veterans avoid these scams; and,
 - Aggressively investigate complaints and pursue violations to prevent future harm.

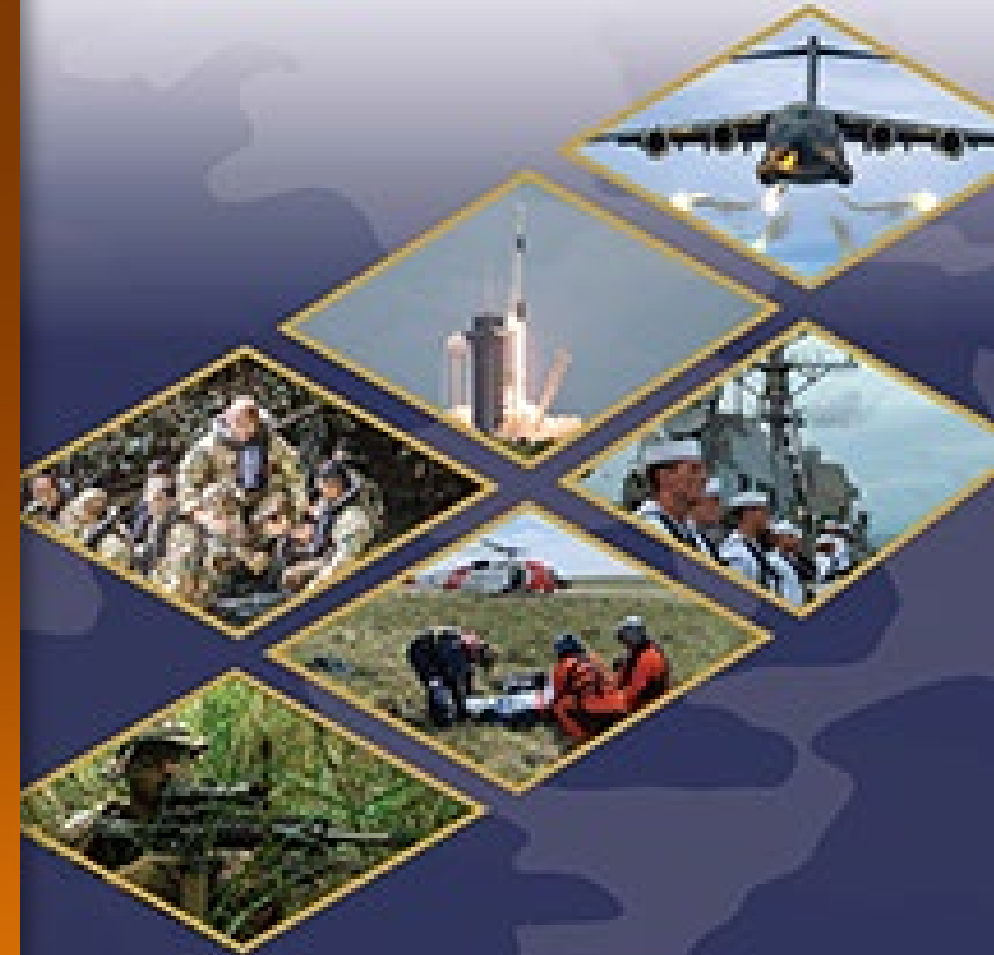


Military Consumer Protection Resource Guide

- Digital Copies are available at the hyperlink below. We also mail hardcopies, upon request.
- The Attorney General's Military Consumer Protection Resource Guide: www.MyFloridaLegal.com/MilCPGuide



MILITARY CONSUMER PROTECTION Resource Guide



Questions?!



Contact the MVAP



- The MVAP Website: www.MyFloridaLegal.com/MVAP
 - E-mail Address: MVAP@MyFloridaLegal.com
 - Telephone: [1 \(407\) 316-4840](tel:14073164840) or [1 \(407\) 999-5588](tel:14079995588)
-
- Prepared and Presented by:
 - Tyrone M. Martin, Esq., Assistant Attorney General (MVAP)
 - February 17, 2022

Thank you for your service!





Florida's Sunshine, Public Records, and Ethics Laws

February 17, 2022



Florida Defense Support Task Force

288.987 Florida Defense Support Task Force

(2) The mission of the Task Force is to make recommendations to preserve and protect military installations to support the state's position in research and development related to or arising out of military missions and contracting, and to improve the state's military-friendly environment for service members, military dependents, military retirees, and businesses that bring military and base-related jobs to the state.

Task Force

- ...required by section 288.987(7) to contract with the Department of Economic Opportunity, which subjects it to multiple requirements.
- ...has also contracted with EFI to provide ongoing administrative support.
- ...is subject to Florida's public records and sunshine laws and members of Task Force are subject to certain provisions of Florida's Code of Ethics.

Task Force

- Task Force (by letter) has assigned authority to EFI to...
 - take administrative and operational action in name of Task Force, and...
 - serve as Task Force's representative in direct interactions with the State, and...
 - make staffing and administrative decisions to support Task Force, and...
 - enter into and execute contracts on behalf of Task Force as its legal designee.

Public Records

Chapter 119, Florida Statutes.

- Definition of “public record” is very broad.
- Section 119.011(12), Fla. Stat.
 - all documents, papers, letters, maps, books, tapes, photographs, films, sound recordings, data processing software, or other material...
 - ...regardless of the physical form, characteristics, or means of transmission
 - ...made or received pursuant to law or ordinance or in connection with the transaction of official business by any agency.
 - Includes a private entity acting “on behalf of” public agency.

What is a Public Record?

Essentially ANYTHING that relates to the official business of FDSTF:

- Documents?
- Emails?
- Text Messages?
- Facebook Messages?

Yes! If it relates to the official business of FDSTF.

***To determine if something is a public record look at the content of record
NOT the form of communication!***

Are there exemptions?

Yes, some public records are confidential and exempt from the public records laws.

- Example: Social Security #'s, certain home addresses, certain health information, etc.

For something to be exempt, there must be a specific exemption in law.

Exemptions Specific to FDSTF

F.S. 288.985(1)(a) That portion of a record which relates to **strengths and weaknesses** of military installations or military missions in this state relative to the selection criteria for BRAC

(b) That portion of a record which relates to **strengths and weaknesses** of military installations or military missions in other states or territories and the vulnerability of such installations or missions to BRAC ... and any agreements or proposals to relocate or realign military units and missions from other states or territories.

(c) That portion of a record which relates to the **state's strategy to retain its military bases** during any BRAC process and any agreements or proposals to relocate or realign military units and missions.

Who can request?

- Anyone
- Requestor not required to show a “legitimate” or “noncommercial interest”
- Request cannot be denied because “overbroad.” Agency may charge for copies and reasonable service charge.
- Requests do not have to be in writing. Requestor does not have to disclose identity or reason for requesting.

How long to keep records?

Retention period **depends on the content** of the record not the form of the communication.

Do NOT destroy or delete records without knowing the applicable retention period.

FDSTF retention schedule not the same as legislative retention schedule.

Public Records Tips

- Avoid using personal accounts for communication that are not backed up.
- Do not respond to a public records request on your own. Contact FDSTF staff.

Assume that every record you create or receive related to FDSTF is a public record.

Sunshine Law

Section 286.011, Florida Statutes.

Provides right of access to governmental proceedings of public boards or commissions at state and local levels.

Equally applicable to both elected and appointed boards.

Applies to virtually every public board in Florida with exception of Legislature and Judiciary.

Applies to Florida Defense Task Force including any subgroup

Sunshine Law

Three basic requirements:

- Meetings must be **open** to the public.
- **Reasonable notice** of meeting must be given.
- **Written minutes** of meetings must be taken and recorded.

Sunshine Law

Applies to any gathering of two or more members of the same board to discuss some matter which will foreseeably come before that board for action.

Sunshine Law

Board members may not engage in private discussions with each other about board business, either in person or by telephone, emailing, texting, or any other type of communication (Facebook, blogs, etc.)

Sunshine Law

Does not apply to staff as long as acting in traditional staff role.

Staff cannot be used as a liaison to communicate information from one board member to another.

Sunshine Law

Exemptions must be in law and must be specific to Sunshine Law (public records exemption does not close a meeting).

Sunshine Exemption FDSTF

Section 288.985(2), Florida Statutes

(a) Meetings or portions of meetings of the FDSTF, or a workgroup of the TF, ... that are exempt under subsection (1) are exempt from s. [286.011](#) and s. 24(b), Art. I of the State Constitution.

(b) Any records generated during those portions of meetings are exempt from s. [119.07](#)(1) and s. 24(a), Art. I of the State Constitution.

Ethics & Transparency

Members of the TF are subject to certain provisions of Florida's Code of Ethics in Chapter, 112, part III.

TF Members serving in other public positions (e.g. legislature or other public boards) may also be subject to additional ethics requirements and should consult with general counsel of the public entity.

Ethics

Prohibited from soliciting or accepting anything of value to influence official action;

Prohibited from doing business with one's agency;

Prohibited from accepting unauthorized compensation to influence vote or official action;

Ethics

Prohibited from misusing position to secure benefit for self or others;

Prohibited from entering into a conflicting employment or contractual relationship;

Prohibited from disclosing or using info for personal or business gain;

Ethics

Prohibited from serving simultaneously as officer and employee

Subject to nepotism prohibitions.

Voting

Legislative members serving on the Task Force may participate in all Task Force activities but may ONLY vote on matters that are advisory. (Section 288.987(3)(d), Florida Statutes).

Secretary of DEO, or his or her designee, serves as the ex officio, nonvoting executive director of the Task Force. (Section 288.987(5), Florida Statutes).

Voting Conflicts

May NOT vote on any matter that the Board member knows **would inure to his or her special private gain or loss.**

Must disclose the nature of conflict by filing FORM 8A (*Memorandum of Voting Conflict for State Officers*) with person taking meeting minutes.

Should file Form before vote, or if not possible, no later than 15 days after the vote.

Voting Conflicts

May vote on any matter that the Board member knows **would inure to the special private gain or loss of:**

- Any principal by whom the Board member is retained;
- Relative; or
- Business Associate.

Must disclose the nature of conflict by filing FORM 8A (*Memorandum of Voting Conflict for State Officers*) with person taking meeting minutes.

Should file Form before vote, or if not possible, no later than 15 days after the vote.

Ethics

FDSTF Board Members

Board Members must file Financial Disclosure Form 1 (*Statement of Financial Interests*) if not already required to file Form 6 (*Full Disclosure*)

Filing Financial Disclosure makes Board members “Reporting Individuals” and also subject to:

- Gift ban (s. 112.3148, F.S.);
- Lobbying expenditure ban (s. 112.3215(6)(a), F.S.);
- Prohibition on gifts from political committees (s. 112.31485, F.S.); and
- Honorarium restrictions (s. 112.3149, F.S.).

Transparency & Ethics

- Reimbursement must be made according to section 112.061.
- Lodging expenses may not exceed \$150/day, excluding taxes, unless participating in a group rate or at least three rates were acquired.
- Staffing and administrative expenses of TF may not exceed \$250,000, including travel and per diem costs incurred by Task Force members not otherwise eligible for state reimbursement

Transparency & Ethics

TASK FORCE shall ensure the following information is posted on its website for public viewing:

- a. A list of TF members;
- b. TF contact information;
- c. A copy of the most recent TF Strategic Plan;
- d. TF public meeting notices as required by Florida law;
- e. A copy of TF's approved meeting dates for the current year...

Transparency & Ethics

(continued)

TASK FORCE shall ensure the following information is posted on its website for public viewing:

- f. Copies of TF's meeting agendas and minutes, and copies of any presentations made by TF or any of TF's guest speakers;
- g. TF's weekly updates;
- h. A copy of the TF's current fiscal year publicly-funded budget, including revenue amounts and sources, as well as budgeted expenses...

Transparency & Ethics

(continued)

TASK FORCE shall ensure the following information is posted on its website for public viewing:

- i. TF's most recent Annual Report;
- j. TF's current five-year plan
- k. A public version of the TF's most recent independent Economic Impact Study;

Transparency & Ethics

(continued)

TASK FORCE shall ensure the following information is posted on its website for public viewing:

- I. A copy of TF's most recent public briefing;
- m. All TF's reports prepared pursuant to its agreement with DEO;

Transparency & Ethics

(continued)

TASK FORCE shall ensure the following information is posted on its website for public viewing:

- n. A list of all TF's grant recipients, organized by year;
- o. Copies of each active TF contract for services;
- p. Copies of any deliverables or reports due under each active TF contract for services that isn't exempt from public records disclosure pursuant to section 288.985, F.S.

Transparency & Ethics

(continued)

2. TASK FORCE's website must:

- a. be updated regularly based on the intervals of publication of the information being posted;
- b. use appropriate Internet security measures;
- c. allow users to navigate to related sites to view supporting details;
- d. enable viewers to email questions to TF; and
- e. make such questions and TF's responses publicly viewable.



Questions or Comments?





ST. AUGUSTINE MILITARY DISTRICT



C-12 HANGAR



MARK LANCE ARMORY



ROBERT F. ENSSLIN ARMORY



ST. FRANCIS BARRACKS



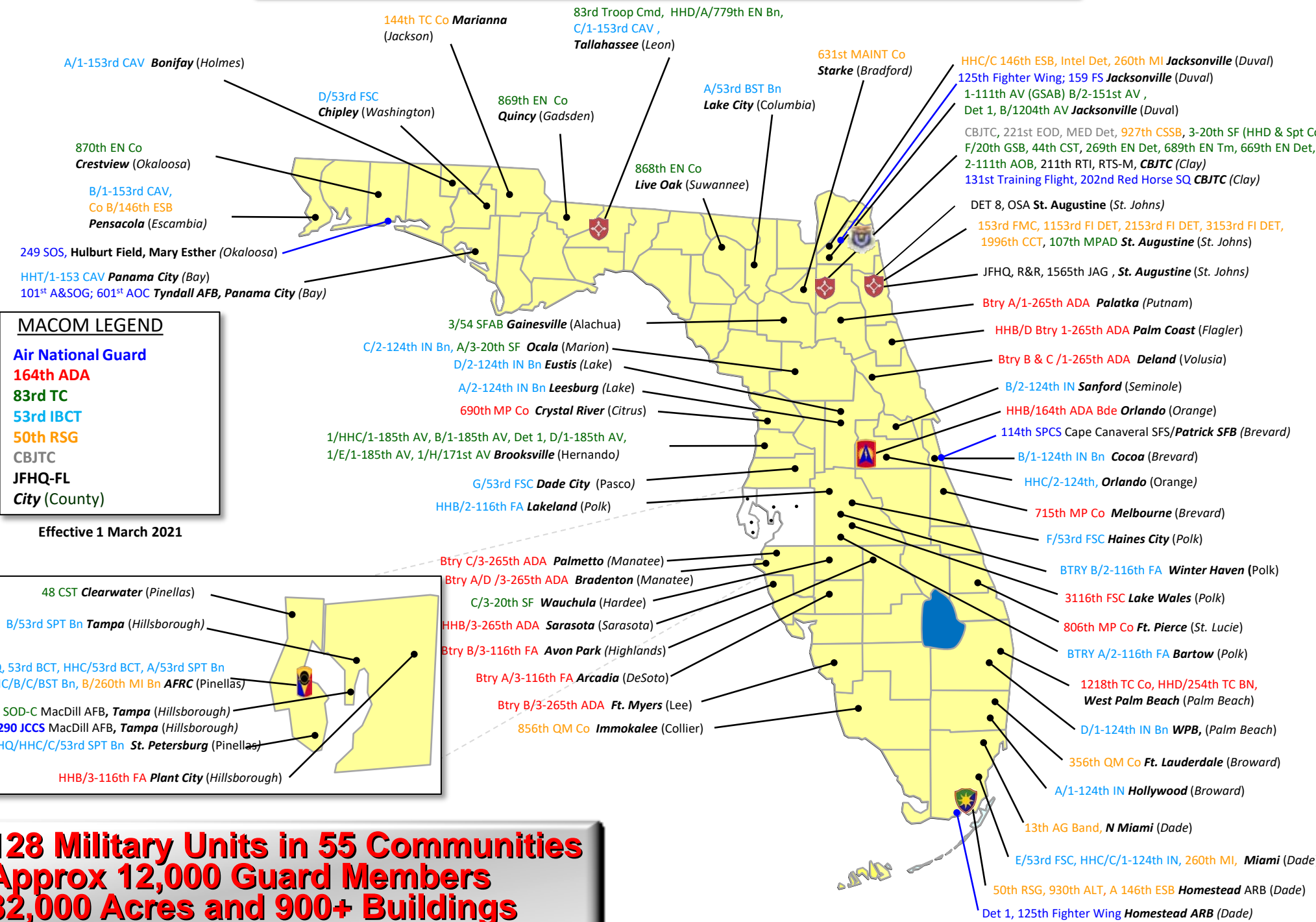
MILITARY QUARTERS



FL USP&FO



Florida National Guard Units



MACOM LEGEND

- Air National Guard**
- 164th ADA**
- 83rd TC**
- 53rd IBCT**
- 50th RSG**
- CBJTC**
- JFHQ-FL**
- City (County)**

Effective 1 March 2021

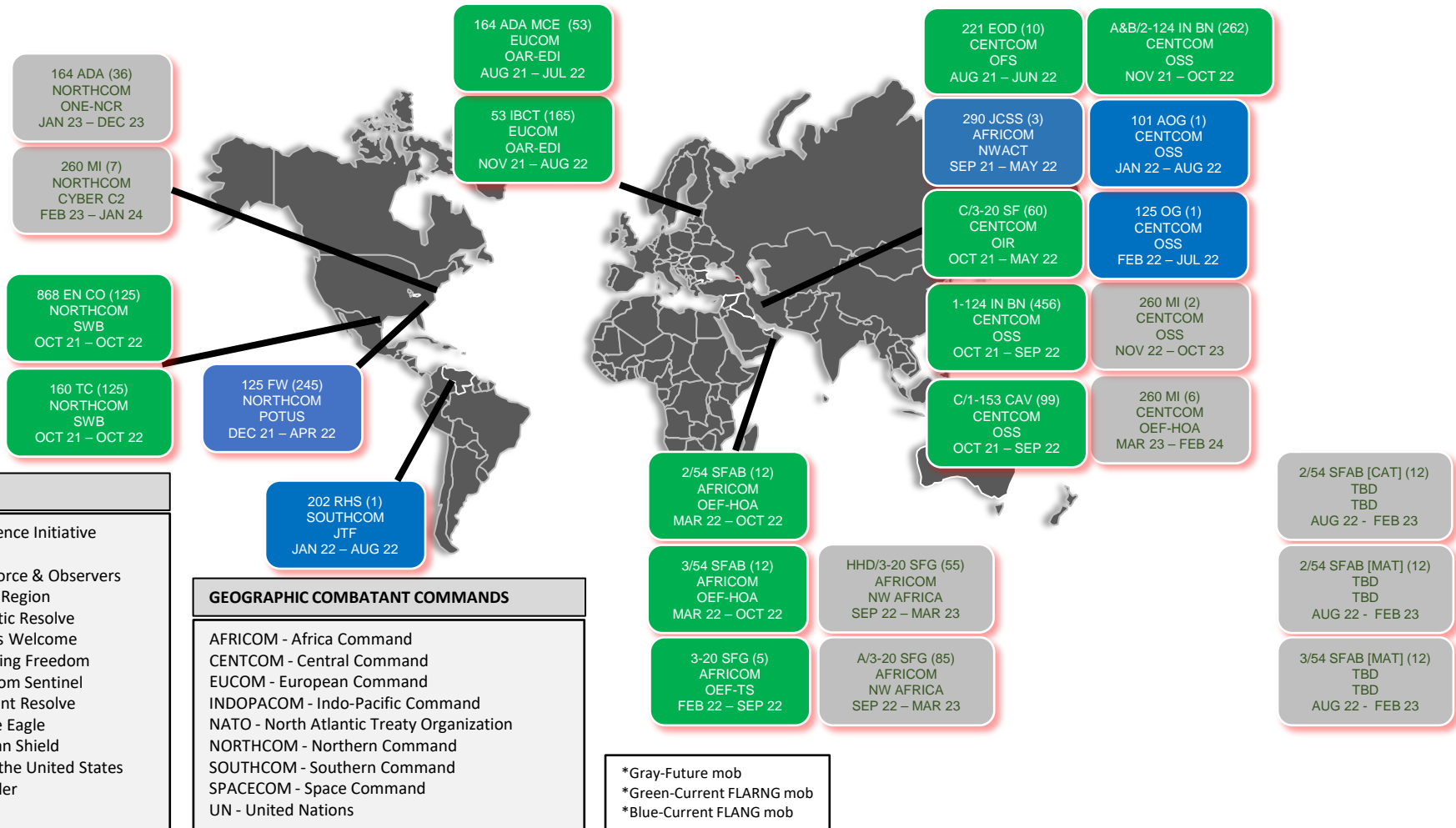
128 Military Units in 55 Communities
Approx 12,000 Guard Members
82,000 Acres and 900+ Buildings



Florida National Guard Mobilization Status

FLORIDA NATIONAL GUARD DEPLOYMENTS	
Total Soldiers & Airmen Currently Deployed As Of 15 March 2022:	1,635
Total Soldiers & Airmen Scheduled for Deployment Through December 2022:	178

UNCLASSIFIED



UNCLASSIFIED

Mobilized over 25,000 since September 11, 2001

ANG Space Warfighting Enterprise

	2019	2020	2021	2022	2023	2024	2025
Mobilizations	ANG (FL) / Op Freedom Sentinel Kandahar, AFG	ANG UTC (FL) / Op Freedom Sentinel Kandahar, AFG	ANG UTC (CO) / Op Freedom Sentinel Kandahar, AFG	ANG UTC (CA) / Op Freedom Sentinel Data Masked	ANG UTC Projected Mob	ANG UTC Projected Mob	ANG UTC Projected Mob
	ANG (CA) / Op Inherent Resolve MSAB, Jordan	ANG UTC (CA) / Op Inherent Resolve MSAB, Jordan	ANG UTC (FL) / Op Inherent Resolve AUAB, Qatar	ANG UTC (CO) / Op Inherent Resolve Data Masked	ANG UTC Projected Mob	ANG UTC Projected Defensive EW Mob	ANG UTC Projected Defensive EW Mob
	114 SPCS (FL) 216 SPCS (CA)	114 SPCS (FL) 216 SPCS (CA)	114 SPCS (FL) 216 SPCS (CA) 138 SPCS (CO)	114 SPCS (FL) 216 SPCS (CA) 138 SPCS (CO)	114 SPCS (FL) 216 SPCS (CA) 138 SPCS (CO)	114 SPCS (FL) 216 SPCS (CA) 138 SPCS (CO) HI SPCS GU SPCS	114 SPCS (FL) 216 SPCS (CA) 138 SPCS (CO) HI SPCS GU SPCS

- Unit equipped, rapid worldwide mobility, surge to war Space Electronic Warfare capability. Provides 60% USSF total capacity
 - HI and GU programmed for IOC in FY24

Space Mission Areas

233 SG, 137 SWS, 233 SCS (CO)

- Mobile Ground System provides Nation's only survivable/endurable strategic missile warning and nuclear detonation detection capability
- Critical component to the **National Command Authority** providing situational awareness to the President, CJCS, and CCDRs during strategic conflict

213 SWS (AK)

- Provides **homeland defense, missile warning, & space domain awareness** including new foreign and pre-planned launches, anti-satellite systems, & conjunctions
- Provides 80% of the 24/7/365 Combat Mission Ready Space Warfighters for the Upgraded Early Warning Radar at Clear Space Force Station

24/7/365
In-Place

148 SOPS (CA)

- Performs **24/7/365 Command & Control of Advanced EHF & MILSTAR satellites** ensuring seamless protected MILSATCOM to the warfighter from critical node
- Operates Nation's only geographically separated NC3 fixed node for protected MILSATCOM & assumes entire constellation more than 50x annually

222 CACS (NY)

- Critical Mission Resiliency and **Surge Capacity to the National Reconnaissance Office Operations Center (NROC)** at a moments notice
- Executes mission critical surge-to-war capability for the NROC on an annual basis

Surge
Capacity

126 IS (OH) & 234 IS-OL (CA)

- Supports USSPACECOM, NASIC, NGA, & NSA **Lines of Effort** by providing **Technical Analysis and All-Source Intelligence**
- Direct support to the Combined Space Operations Center Intelligence, Surveillance, and Reconnaissance Division and Combined Force Space Component Command S2**

BOTTOM LINE: 2 Choices Remain

1. USSF absorb ANG space capabilities = Cost hundreds of millions of \$ + 7-10 years capability gap + loss of 1K Guardians + loss in decades of cumulative space experience
OR
2. Establish a Space National Guard = Cost ~\$248K (incidentals) to transfer existing ANG Space staff/forces + no gap in warfighting capability + retain space expertise across multiple states

Florida National Guard Space Forces

Serving the Nation & Our Communities – Mastering Space

What we do for the Nation



- **Space Electromagnetic Warfare:** Operates a deployable space electromagnetic attack capability to meet global warfighting requirements.



Kandahar, AFG
1-yr Mission



Al Udiad Qatar
180-day Mission

- **Space Integration at America's Air Operations Center :** Small team integrates space capabilities to support the detection, deterrence, and defeat of aviation threats to U.S.
- **National Guard Bureau State Partnership Program:** Provides space warfighting subject matter expertise to support US Space Command's ongoing strategic engagements with Guyana and Venezuela.



How we support our communities...

- Supports disaster response and hurricane recovery for the State of Florida
- Responds to national and global crisis by aiding in COVID relief efforts and humanitarian aid



Where our part-time force comes from...

- Cyber/Information Technology
- Aerospace Engineering
- Systems Engineering
- Program Management
- Government Contracting
- Network Engineering
- Software Development
- Small Business Owners
- Space Operations

40% of our part-time force are full-time employees with DoD or Aerospace Industry Partners ...



LOCKHEED MARTIN

NORTHROP GRUMMAN



SPACEX

Masters of Space

Lean & Agile at Lower Cost

- Florida has 27 years of space experience ranging from providing rapidly deployable satellite communications, space launch, range control and electromagnetic warfare
- Majority part-time force provides critical surge-to-need capabilities at 60% less cost to taxpayer
- Critical means to maintain expertise of Guardians who no-longer wish to serve Full-time Active Duty



Expertise

By the numbers....



Bachelors degree or higher



Average Space Experience



Average EW Deployments/member



Florida Defense Support Task Force

FDSTF Grant Program
April 21, 2022



FDSTF Grant Program

- Supports military communities by funding selected projects that:
 - Directly support preserving, protecting or enhancing the installation
 - Increase the military value of the installation
- Will use funds authorized by the legislature in current session
 - Contracts will be awarded using funds for the next Fiscal Year
- May inform the Legislative Budget Request (LBR) process
- Maximizes opportunity to get impactful projects

Can always take out of cycle grant applications if funding is available

Annual Program Flow

- Aug - Application window opens for following Fiscal Year funding
 - Staff reviews applications and develops recommendations
- Sep - Task Force (TF) Mtg: TF reviews potential projects (no decision)
 - Staff uses review to estimate grant funding levels and develop budget request for following Fiscal Year
 - TF discusses submitted applications to inform LBR process
- Mar - TF Mtg: TF decides which applicants to invite to provide in-person project presentations
- May - TF Mtg:
 - TF approves budget for the next FY
 - TF hears presentations on selected proposals and votes on grant awards for winning projects
- Jun/Jul - Governor announces winning grant recipients
- Jul - Execute contracts announced in June using current Fiscal Year

TF Staff accepts Out-of-Cycle Applications throughout year for emergency and emerging needs

Annual Program Flow

Annual Grant Funding Flow Diagram												
Task	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Execute contracts	Staff (This FY)											
Manage contracts	Staff (all open contracts)											
Grant application window		Staff (Next FY)										
Review applications - estimate LBR ask			TF Action (Next FY)									
Develop TF budget			Staff									
Select projects for In-person presentations									TF Action (Next FY)			
Notify selected projects for in-person presentation									Staff (Next FY)			
Approve TF budget											TF Action	
In-person presentations											TF Action (Next FY)	
Governor Announces Winners												Staff (Next FY)

May Meeting Process

- Five proposals selected for consideration
 - Total funding requested: **\$1,911,810**
 - Maximum recommended to award: **\$1,420,000**
 - Budget for grants = 74.3% of requested grant total
- Hear presentations (15 min)
- Ask questions (5 min)
- Review scoring, selection, and establish award during “Closed Session”
- Reconvene “Open Session” to vote on awards

Florida Defense Support Task Force

Discussion?





DIVISION OF STATE LANDS FLORIDA FOREVER ACQUISITION UPDATE

Fakahatchee Strand Preserve State Park
John Moran



Happy 20th Birthday Florida Forever!

- A successful and respected program with established processes and procedures for the identification, evaluation and acquisition of conservation lands.
- Lands purchased through Florida Forever are now enjoyed as state parks, state forests, state wildlife management areas, or as local park and conservation areas.
- We appreciate our conservation partners, the landowners that are such good stewards of the land and the leadership that supports us!



Hardee Flatwoods
Conservation Easement



Florida Forever Acquisitions FY 2020-2021

78 purchase transactions = 46,248 acres/\$105,961,674 for FY 2020-2021 *

- Annutteliga Hammock
- Charlotte Harbor Flatwoods
- Coupon Bight/Key Deer
- Devils Garden
- Dickerson Bay/Bald Point
- Etoniah/Cross Florida Greenway
- Fakahatchee Strand
- Florida Keys Ecosystem
- Florida Springs Coastal Greenway
- Florida's First Magnitude Springs
- Garcon Ecosystem
- Green Swamp
- Lake Santa Fe
- Lake Wales Ridge Ecosystem
- Myakka Ranchlands
- North Key Largo Hammocks
- Peace River Refuge
- Seven Runs Creek Final Phase
- St. Joe Timberland
- St. Joseph Bay Buffer
- Tippen Bay Ranch
- Upper St. Marks River Corridor
- Wekiva-Ocala Greenway
- Wolfe Creek Forest

****MORE PRODUCTION IN 2020-2021 FISCAL YEAR THAN ANY OF THE PREVIOUS TWELVE YEARS***



Devils Garden
Okaloacoochee Slough Wildlife Management Area



Florida Forever Recent BOT Approved Acquisitions

2021-2022 Florida Forever Recent BOT Approved Acquisitions

15,677 acres / \$35,914,293

- Florida Keys Ecosystem- Fee - 3 acres
- SMALL River Rise Preserve State Park - Fee - 160 acres
- Fisheating Creek Ecosystem- CE - 6,864 acres
- Red Hills Conservation Area- CE - 4,132 acres
- Pumpkin Hill Creek - Fee - 241 acres
- Lake Wales Ridge Ecosystem - CE - 354 acres
- Wolfe Creek Forest - Fee - 3,610 acres
- Wakulla Springs Protection Zone - Fee - 313 acres



Corrigan Ranch
Kissimmee Prairie Preserve State Park



Florida Forever Active Project Areas

- Apalachicola River
- Ayavalla Plantation
- Bluefield to Cow Creek
- Blue Head Ranch
- Charlotte Harbor Estuary
- Charlotte Harbor Flatwoods
- Coastal Headwaters Longleaf Forest
- Coupon Bight/Key Deer
- Escribano Point
- Etoniah/Cross Florida Greenway
- Fakahatchee Strand
- Fisheating Creek Ecosystem
- Florida Keys Ecosystem
- Green Swamp
- Horse Creek Ranch
- Kissimmee St. Johns River Connector
- Lake Wales Ridge Ecosystem
- Longleaf Pine Ecosystem
- Osceola Pine Savannas
- Panther Glades
- Pine Island Slough Ecosystem
- Pinhook Swamp
- Rainbow River Corridor
- Red Hills Conservation Area
- St. Joe Timberland
- Strategic Managed Area Lands List (SMALL)
- Telogia Creek
- Tiger Island/Little Tiger Island
- Triple Diamond
- Wakulla Springs Protection Zone
- Wekiva-Ocala Greenway
- Wolfe Creek Forest



Coastal Headwaters Longleaf Forest
Blackwater River State Forest



Florida Forever Annual Funding Review

FISCAL YEAR	APPROPRIATION	ACRES ACQUIRED	EXPENDITURES	ENDING BALANCE
2015 - 2016	\$17,400,000	1,867	\$4,608,111	\$91,330,541
2016 - 2017	\$15,156,206	26,798	\$27,893,125	\$78,593,622
2017 - 2018	\$0	9,335	\$25,110,972	\$53,482,650
2018 - 2019	\$77,000,000	22,775	\$19,135,745	\$111,346,905
2019 - 2020	\$33,000,000	27,253	\$61,626,547	\$82,720,358
2020 - 2021	\$67,000,000	46,248	\$105,961,674	\$43,758,685
*2021 - 2022	\$100,000,000	16,709	\$40,807,175	\$102,951,510

(*July 1 - February 28)

IN PROGRESS

Closing
Cabinet Agenda
Negotiations
Valuation
Due Diligence
Triage Review

ANTICIPATED EXPENDITURES

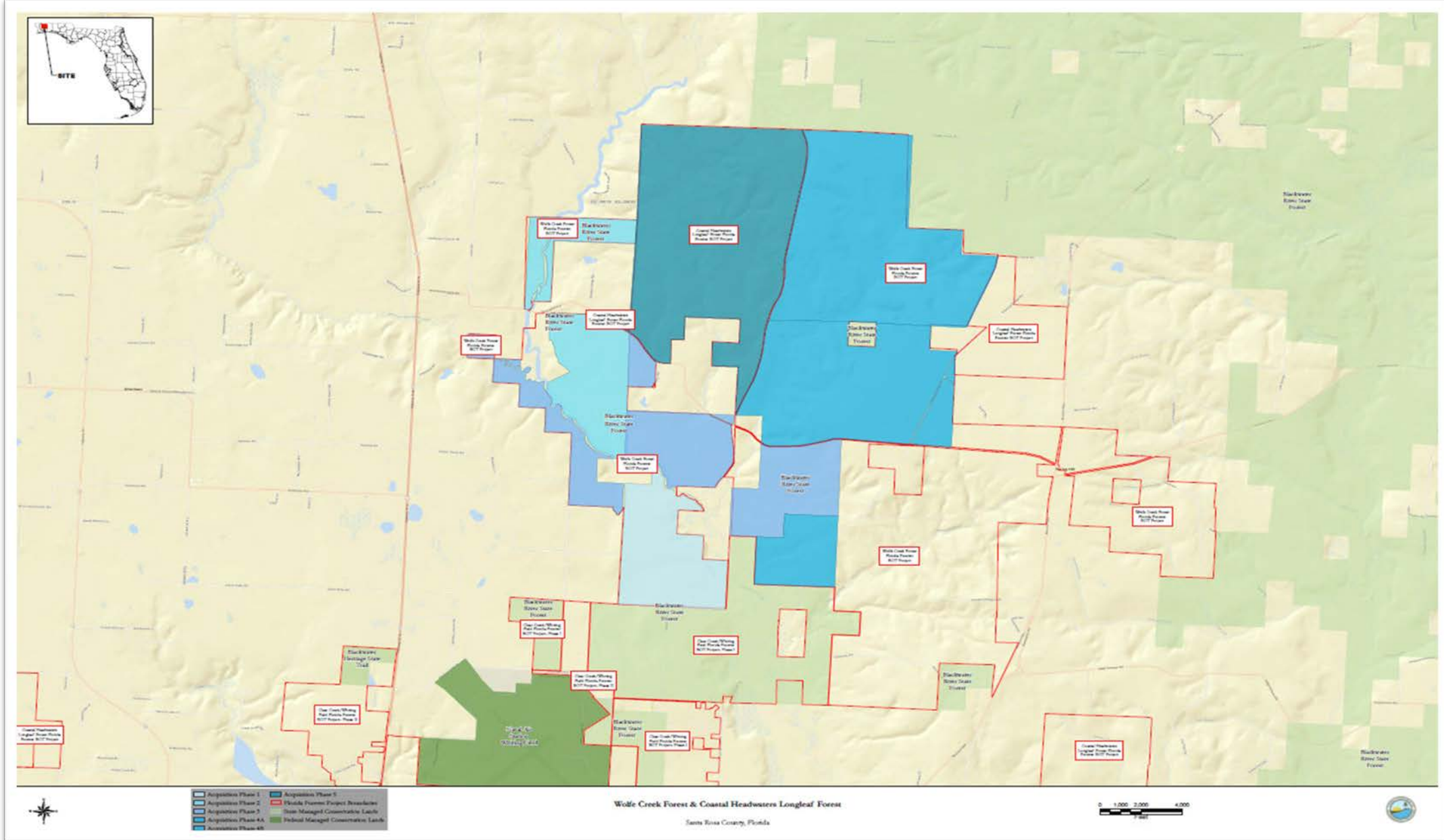
\$39,463,685
TBD
\$12,236,460
\$13,370,500
\$134,960,000
\$159,500,000

ANTICIPATED BALANCE

\$63,487,825
\$63,487,825
\$51,251,365
\$37,880,865
(\$97,079,135)
(\$256,579,135)

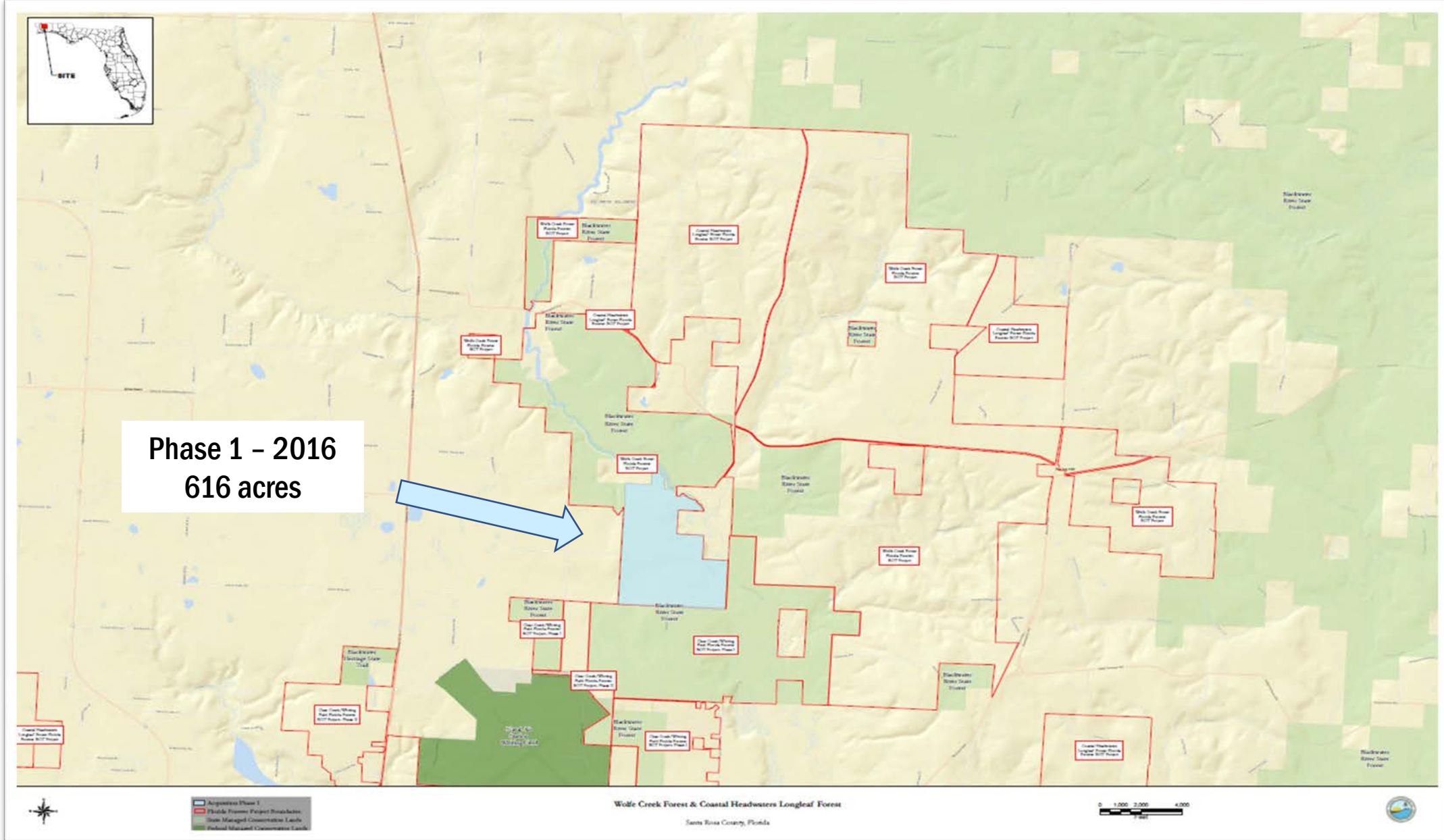


Wolfe Creek Forest & Coastal Headwaters Longleaf Forest



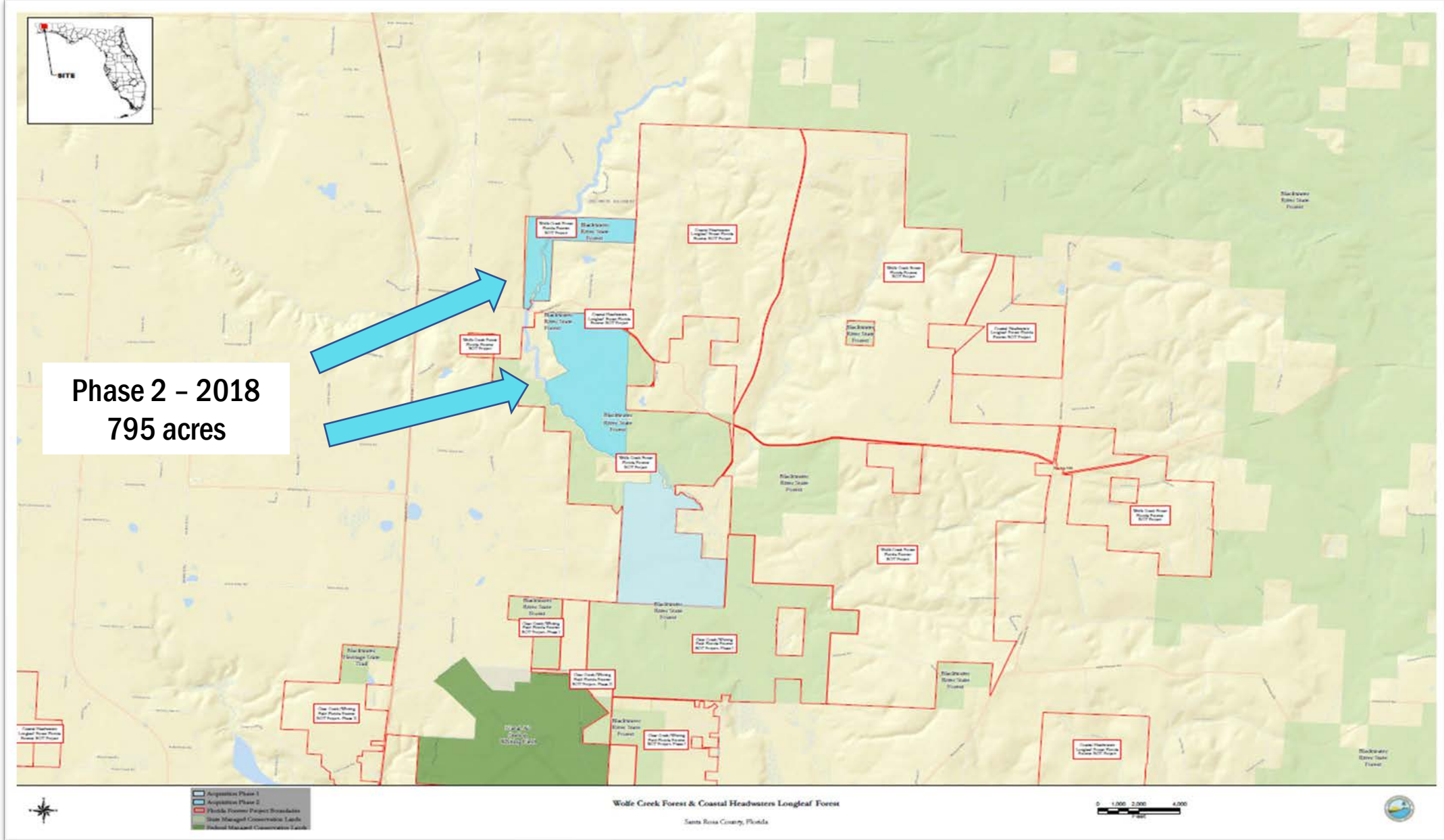


Wolfe Creek Forest & Coastal Headwaters Longleaf Forest



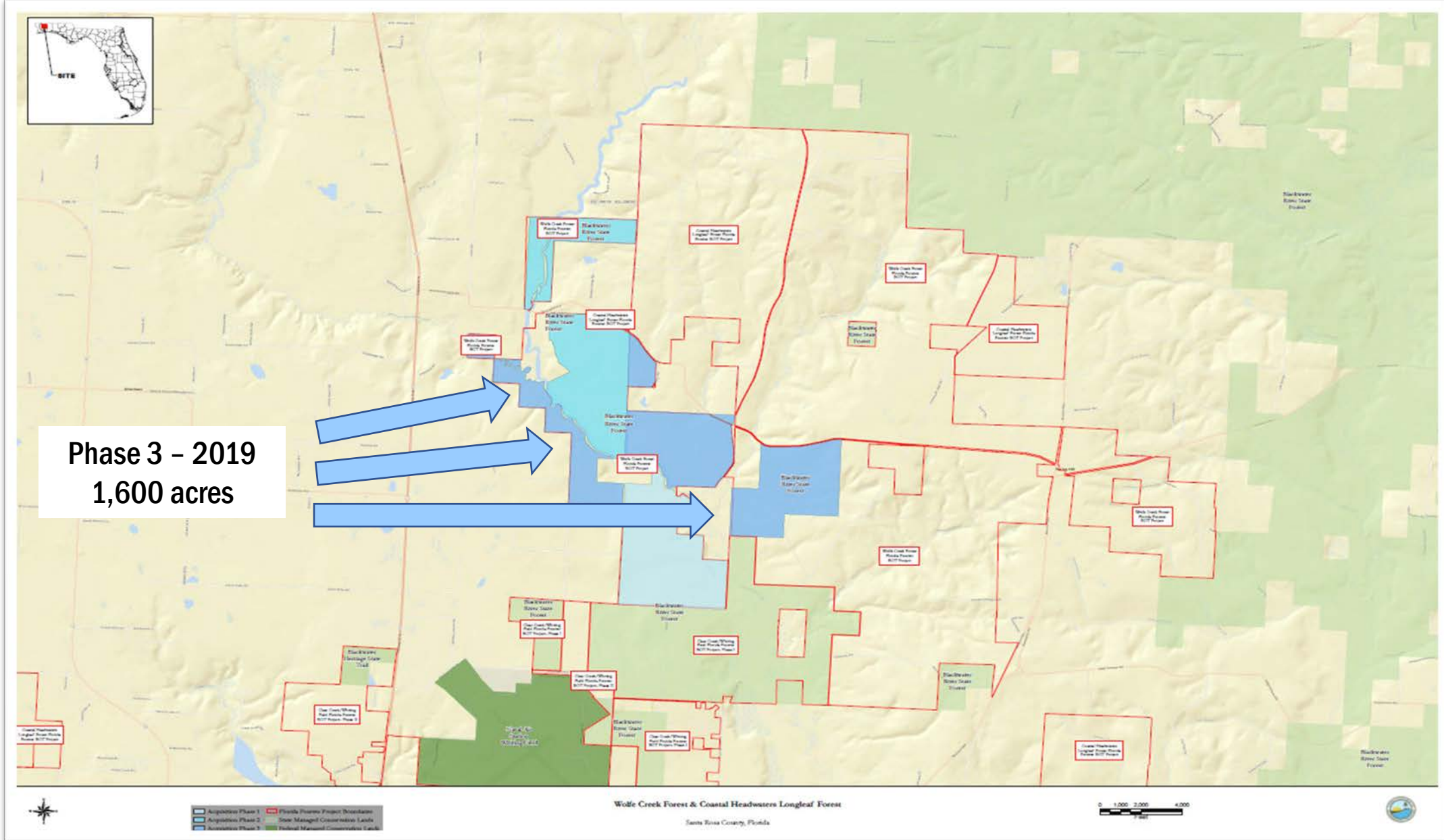


Wolfe Creek Forest & Coastal Headwaters Longleaf Forest



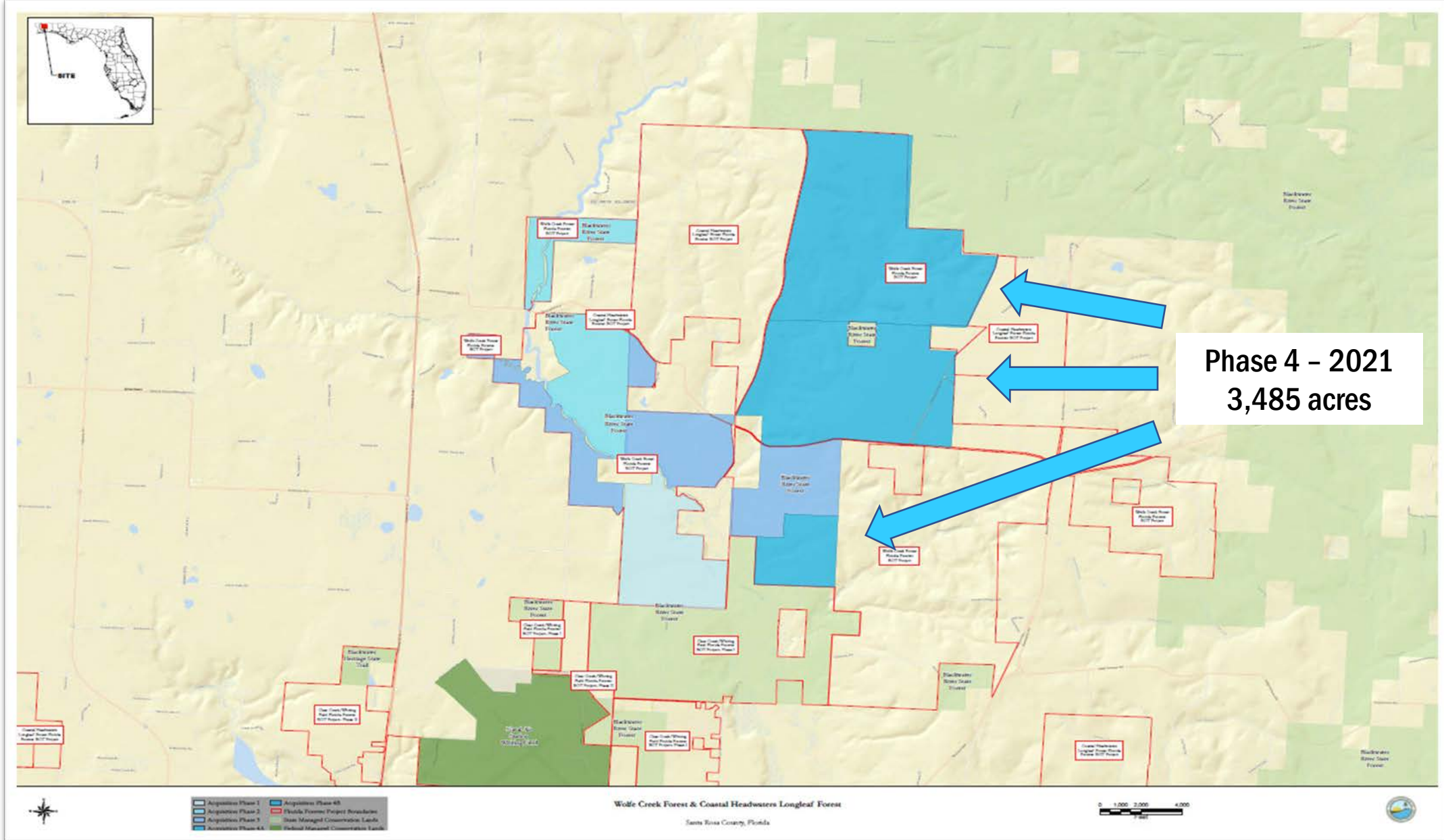


Wolfe Creek Forest & Coastal Headwaters Longleaf Forest





Wolfe Creek Forest & Coastal Headwaters Longleaf Forest

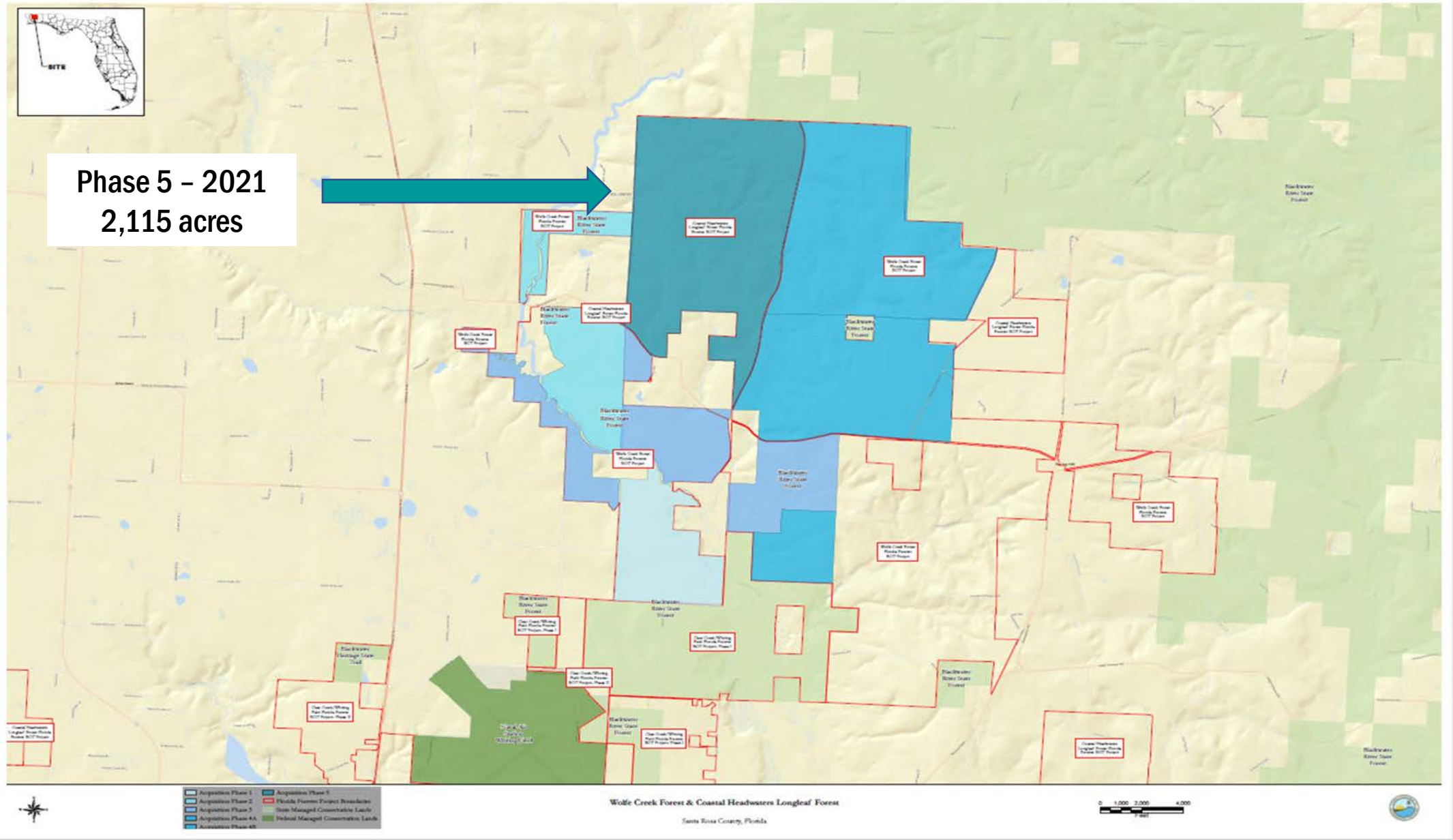
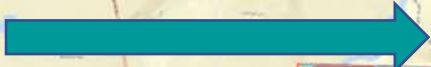




Wolfe Creek Forest & Coastal Headwaters Longleaf Forest

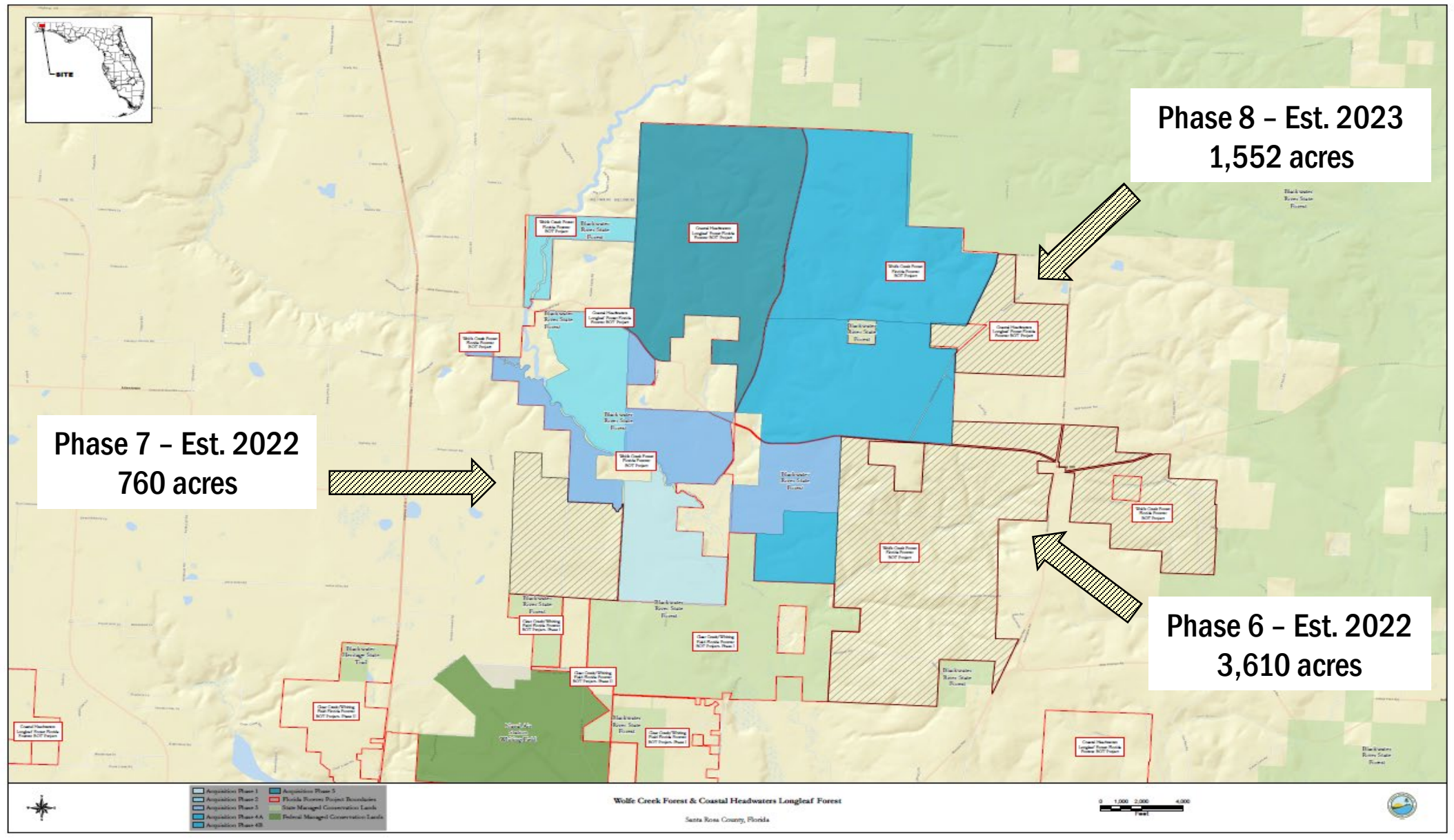


Phase 5 - 2021
2,115 acres



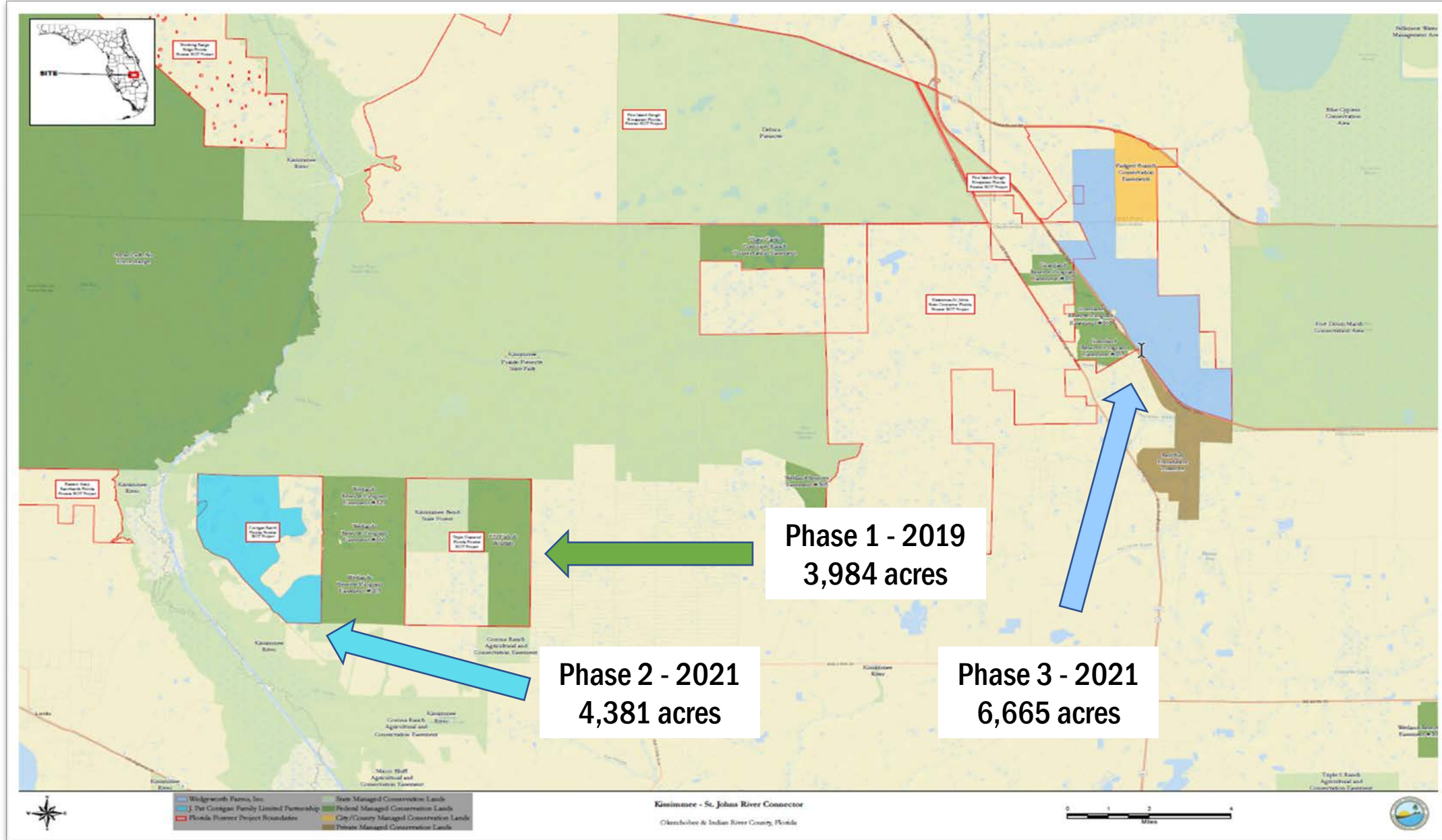


Wolfe Creek Forest & Coastal Headwaters Longleaf Forest



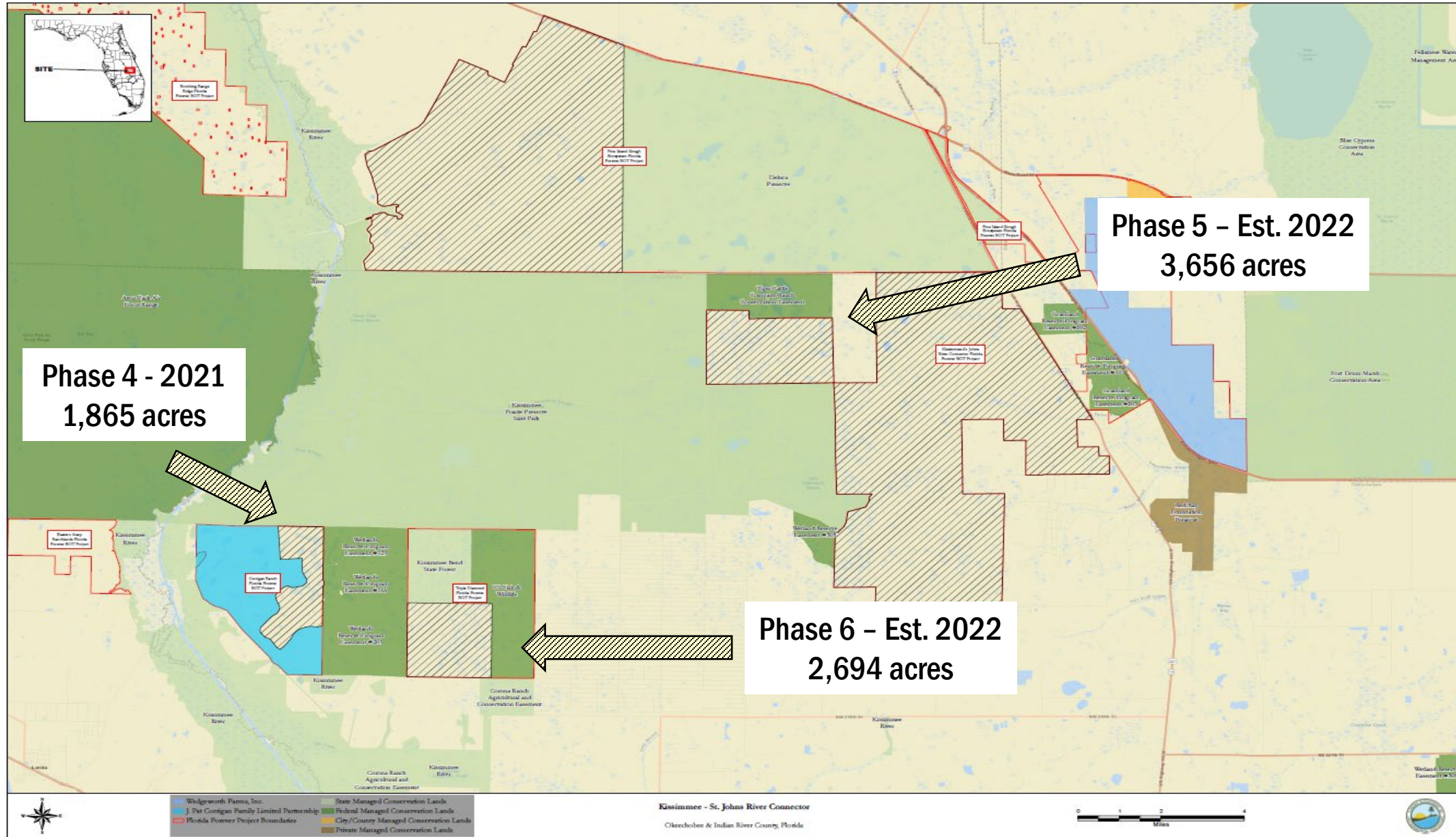


Kissimmee St. Johns River Connector & Corrigan Ranch





Kissimmee St. Johns River Connector & Corrigan Ranch






CONTACT INFORMATION

Robbie Parrish
Chief
Bureau of Real Estate Services
Division of State Lands
Robbie.Parrish@FloridaDEP.gov
Phone (850) 245-2497

*Project mapping credits to DSL's
Bureau of Surveying & Mapping

*Project photography credits to Carlton Ward, Jr.
[@carltonward](#) [@pathofthepanther](#)

A photograph of a lush green landscape with tall pine trees and a body of water in the background.

*Millstone Plantation
Conservation Easement*

An aerial photograph of a vast green landscape with a dense forest and a winding river.

*Kissimmee St. Johns River Connector
Conservation Easement*



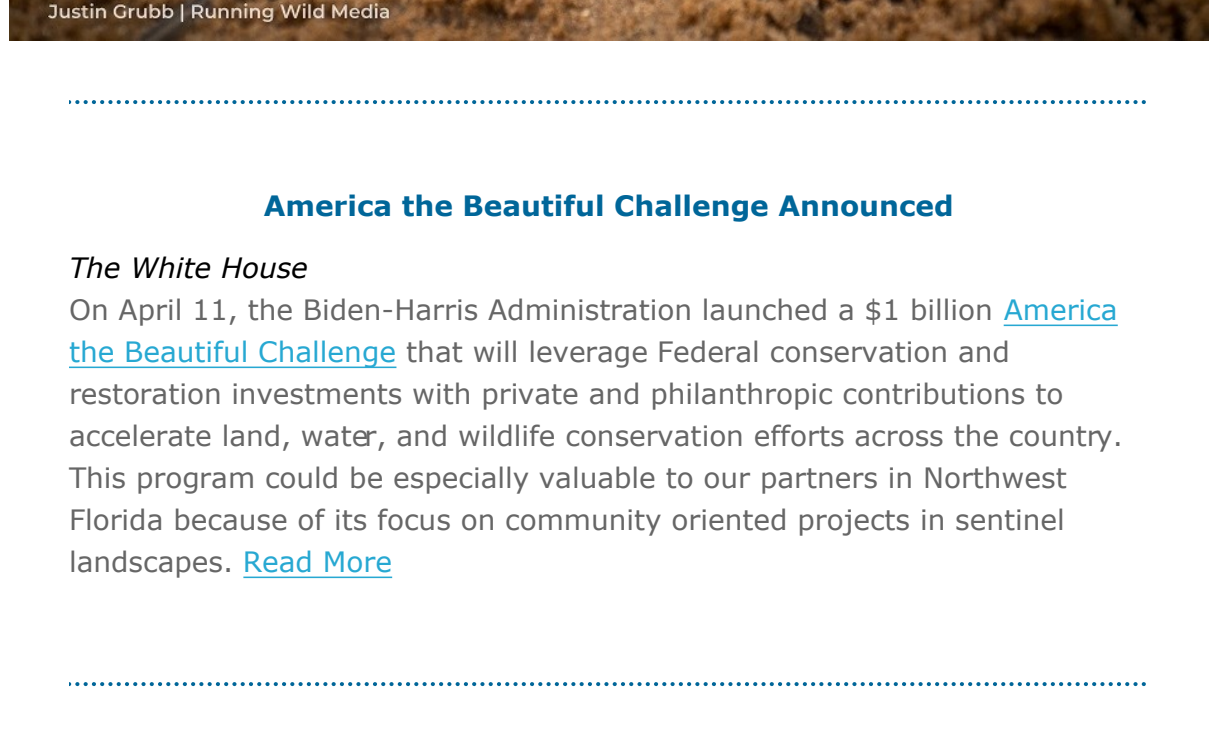
April 19, 2022

The Northwest Florida Sentinel Landscape

A [Sentinel Landscape](#) is an area designated by the U.S. departments of Defense, Agriculture and Interior. Sentinel landscapes provide focus areas where these agencies work together with other public agencies and private partners to maintain compatible land uses that conserve listed species habitat and minimize encroachment threats and constraints to military missions. Northwest Florida was designated a Sentinel Landscape on February 15, 2022. Please visit our [web page](#) for additional information about the Northwest Florida Sentinel Landscape.

Federally funded projects by the departments of Defense, Interior and Agriculture within Sentinel Landscapes may receive extra priority for funding. Through this designation, we are seeking to build partnerships upon mutual objectives to foster and accomplish land conservation, private land stewardship, resiliency and sustainability initiatives in Northwest Florida.

News You Can Use



Justin Grubb | Running Wild Media

America the Beautiful Challenge Announced

The White House

On April 11, the Biden-Harris Administration launched a \$1 billion [America the Beautiful Challenge](#) that will leverage Federal conservation and restoration investments with private and philanthropic contributions to accelerate land, water, and wildlife conservation efforts across the country. This program could be especially valuable to our partners in Northwest Florida because of its focus on community oriented projects in sentinel landscapes. [Read More](#)

National Coastal Resilience Fund 2022 Request for Proposals

National Fish and Wildlife Foundation

The National Fish and Wildlife Foundation (NFWF) is pleased to announce the 2022 National Coastal Resilience Fund (NCRF) Request for Proposals (RFP). NFWF will make investments in planning, design, and restoration of natural and nature-based solutions to help protect coastal communities from the impacts of storms, floods, and other natural hazards and enable them to recover more quickly and enhance habitats for fish and wildlife. NFWF will award approximately \$140 million in grants to create and restore natural systems in order to increase protection for communities from current and future threats from coastal hazards and improve habitats for fish and wildlife species. [Read More](#)

NFWF is soliciting proposals from Contractors through June 1 to provide technical assistance as "field liaisons" to support applicants and grantees engaged in advancing the use of nature-based solutions to improve coastal resilience for the NCRF and other associated NFWF grant programs. The Request for Quotations is available [HERE](#).

NRCS Florida's Conservation Innovation Grants Request for Proposals

USDA NRCS Florida State Office

The [Natural Resources Conservation Service \(NRCS\) in Florida](#) will invest up to \$900,000 for [Conservation Innovation Grants \(CIG\)](#) for Florida's agricultural resource priorities including: climate resilience, grazing, soil health, and urban agriculture. The deadline to submit a proposal is August 31, 2022. Two webinars will be held on May 4 and June 1 to explain how to apply for the state Conservation Innovation Grants and give an overview of Florida NRCS conservation resource priorities. [Read More](#)

Silver Jackets Florida Coastal Resilience Virtual Workshops

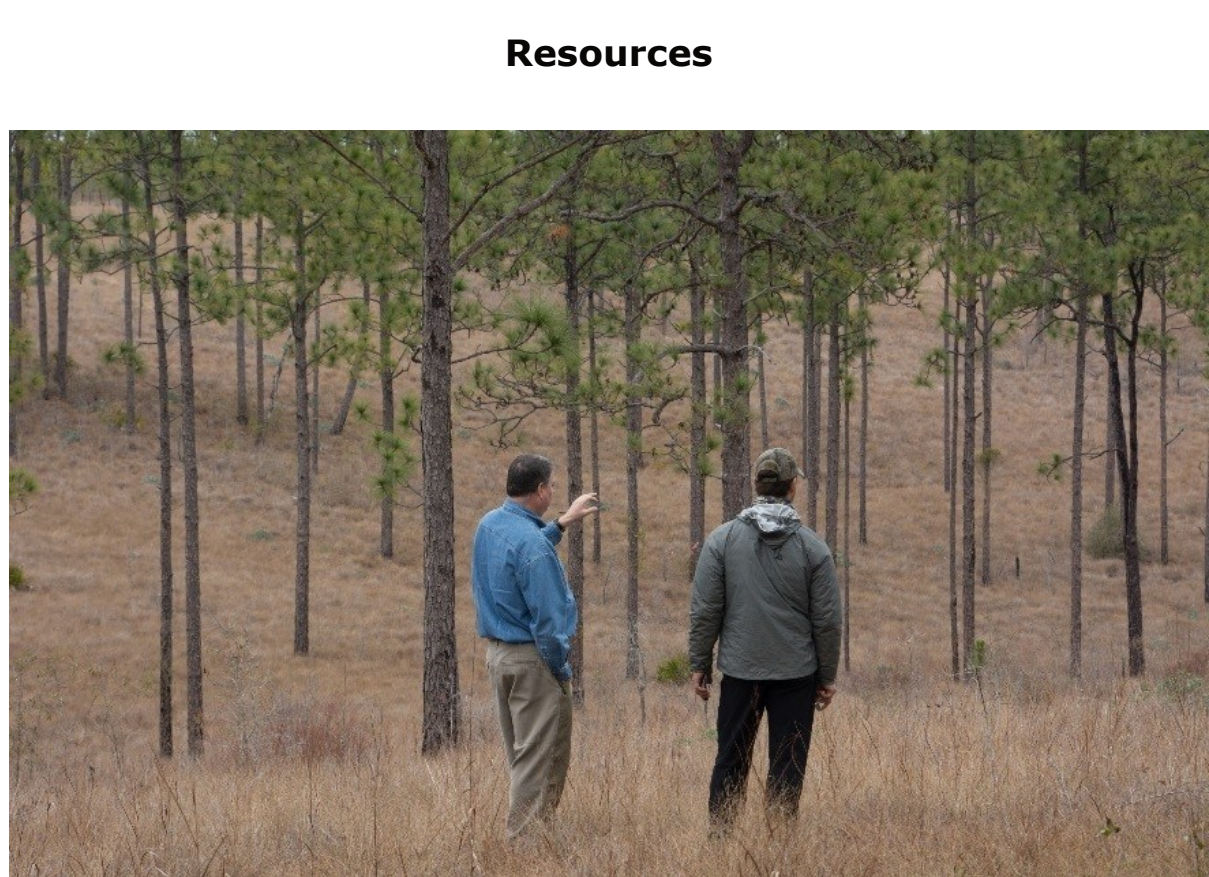
The [Florida Silver Jackets organization](#) is hosting virtual workshops for planners and engineers to increase community resilience to coastal storms and sea level rise and facilitate compliance with state laws and requirements by providing basic training with tools developed by state and federal agencies to assess, communicate, and address risk. The Florida Gulf Coast will be April 19-21 and the Florida Atlantic Coast workshop will be May 24-26. A technical workshop will be held on June 7 to provide more detailed training on two specific tools, the U.S. Army Corps of Engineers Coastal Hazards System and NOAA Adapting Stormwater Management for Coastal Hazards. Agendas and registration are [HERE](#).

Scaling Up Nature-based Solutions Map

The Nature Conservancy

[Scaling Up Nature-based Solutions \(SUNS\)](#) is a two-year effort led by TNC to identify and promote nature-based solutions for resiliency in the Florida panhandle. Nature-based solutions use nature to tackle challenges such as flood mitigation, climate change, biodiversity protection, and human health. The [project](#) brings together local stakeholders to identify the best natural solutions to the unique challenges facing Bay, Gulf, and Franklin Counties. TNC is looking for project proposals this summer. Contact [Anna Jane Jones](#).

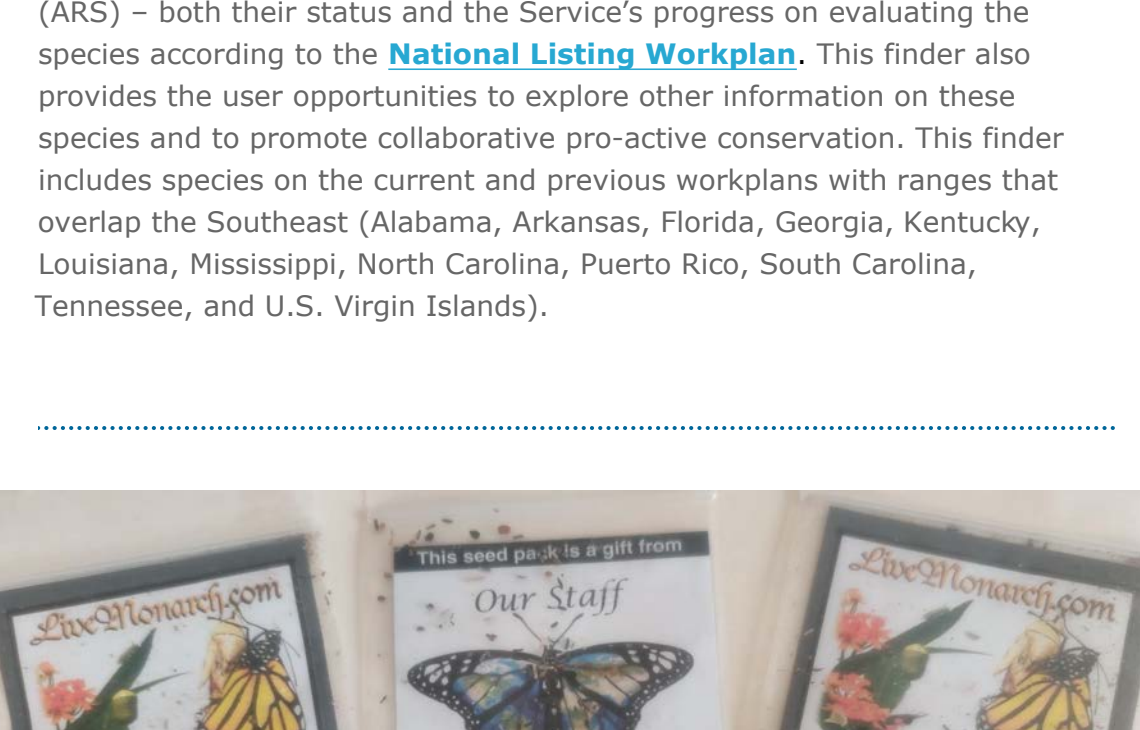
NWFLS Partners' Wins and Success Stories



Board of Trustees Approve Funding for Three Tracts in NWFLS

Florida Wildlife Corridor Foundation

Florida Governor and Cabinet approved funding to acquire and conserve three tracts in the NWFLS that are part of the Florida Wildlife Corridor. These are the Wolfe Creek Forest (3,610 acres), Wakulla Springs Protection Zone (313 acres), and the Red Hills Conservation Area (4,132 acres). [Read More](#).



East River Preserve

SANTA ROSA COUNTY, FLORIDA

December 8, 2021. Council of the Trust for Public Land The Trust for Public Land begins formally negotiating with the Trust for Public Land

Santa Rosa and Environmentalists Agree 500-acre Conservation Project Would Be Win for Navarre

Pensacola News Journal

Santa Rosa County, in partnership with the Trust for Public Land and the Florida Fish and Wildlife Conservation Commission, is looking to pursue a grant program through the U.S. Fish and Wildlife Service to purchase more than 500 acres adjacent to Eglin Air Force Base in Navarre. [Read More](#).

Resources

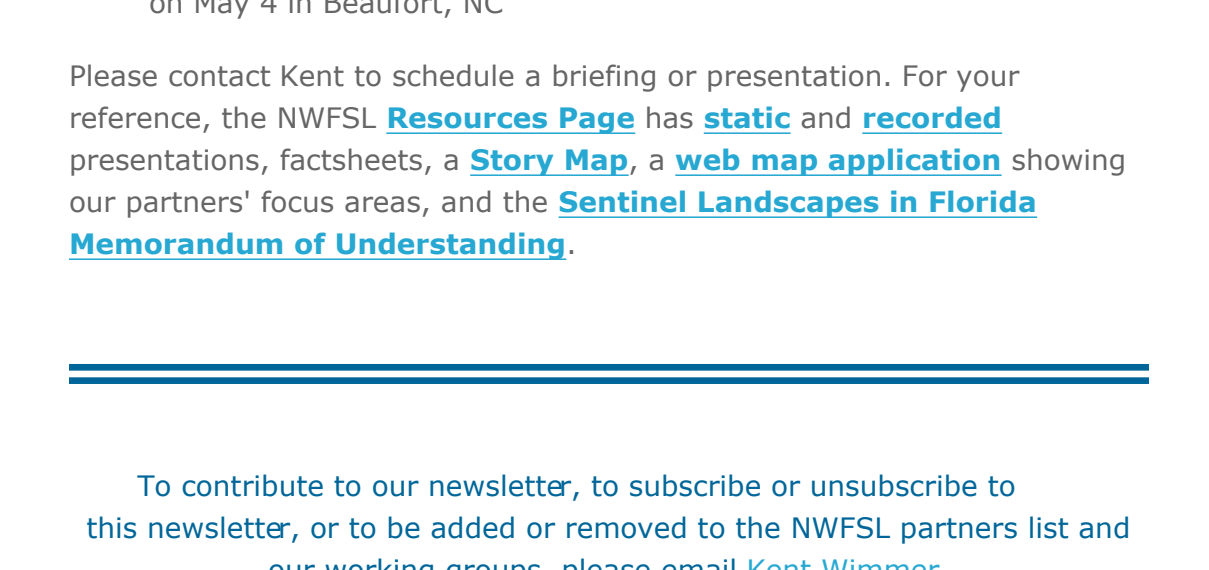


DoD Natural Resources Story Map Has Been Released!

The [DoD Natural Resources Story Map](#) has been released and is available for you to view! It provides highlights on DoD's species and habitat conservation actions. This story map highlights many conservation successes on installations throughout the Nation, but especially in Florida. Submit your installation's natural resources success stories to the Story Map [HERE](#).

USFWS Southeast At-Risk Species Finder

The USFWS has developed a [web application](#) to track At-risk species (ARS) – both their status and the [Service's](#) progress on evaluating the species according to the [National Listing Workplan](#). This finder also provides the user opportunities to explore other information on these species and to promote collaborative pro-active conservation. This finder includes species on the current and previous workplans with ranges that overlap the Southeast (Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Puerto Rico, South Carolina, Tennessee, and U.S. Virgin Islands).



Free Milkweed Seeds

Live Monarch Educational Foundation

In recent years butterfly gardeners have seen a decline but you can help save them – for free. Live Monarch Educational Foundation has a program that sends [free butterfly garden seeds](#). For more information visit [HERE](#).

Partner Collaboration

Upcoming Northwest Florida Sentinel Landscape Partnership Meetings

The partners for the NWFLS have established several goals, objectives, actions and measurable results to gauge our success. To put us on the pathway to success we are forming work groups that will help us collaboratively achieve our regional resiliency and sustainability goals. Our workgroups are [Climate Resiliency](#), [Private Lands Stewardship](#) and [Natural Systems](#). If you have not yet indicated your workgroup preference, please email NWFLS coordinator [Kent Wimmer](#).

The next monthly partner coordination call is **Tuesday, April 26 at 3:00 P.M. Eastern**. At this meeting we will discuss our work groups and how we can most effectively structure them to coordinate to achieve objectives. We will also share the reporting expectations of the Sentinel Landscapes Federal Coordinating Committee. We anticipate hosting our first work group meetings in May. It is our intent that our work groups would share their collaborative efforts during our monthly NWSFL coordination calls.

Our monthly virtual partnership meetings are scheduled for the **fourth Tuesday of each month at 3:00 P.M. Eastern**. In case you didn't receive the recurring calendar invitation, you may join these calls via Microsoft Teams by video at: [Click here to join the meeting](#) or by dialing in (audio only) to: **(509) 904-0868** with the phone conference ID: 800 814 676#.

Northwest Florida Sentinel Landscape Outreach

Throughout March and April, the NWFLS coordinator [Kent Wimmer](#) and [David Wolfe](#), the NWFLS private lands stewardship coordinator, have given many presentations and personal briefings with partners and the media introducing our sentinel landscape including (with others scheduled):

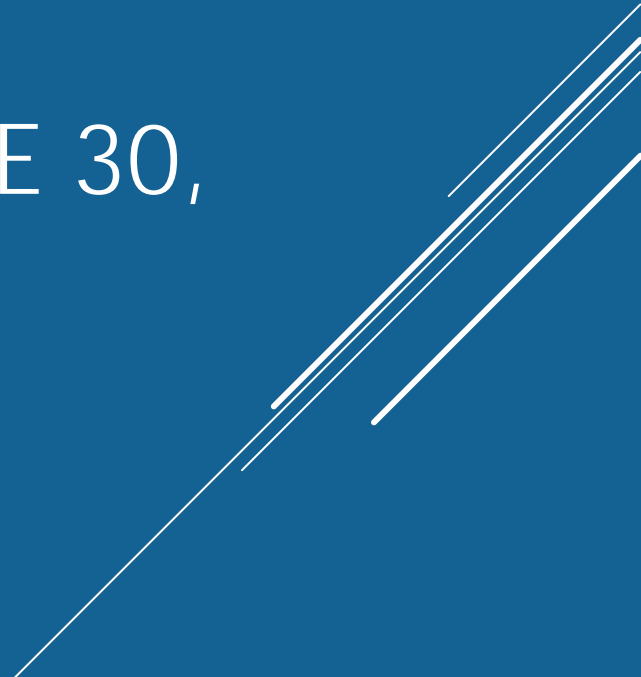
- Department of Defense Readiness and Environmental Protection (REPI) Program's [Sentinel Landscapes Spotlight](#) on March 2
- Panhandle Estuarine Restoration Team on March 29
- Pensacola and Perdido Bays Estuary Program Board on March 30
- The Conservation Finance Network's Roundtable in Des Moines, Iowa on March 30 and 31. Wolfe represented the NWFLS where they discussed Iowa's State Revolving Fund, listened to presentations on new funds and initiatives, learned about the status and challenges of the carbon market, and delved into recreation economies.
- Gopher Tortoise Technical Assistance Group on April 1
- Florida Wildlife Corridor Summit on April 13
- Regional Recreation Economy Alliance on April 14
- Emerald Coast Regional Council Board on April 20
- Wakulla Springs Alliance on April 22
- South Regional Partnership for Planning and Sustainability Principals on May 4 in Beaufort, NC

Please contact Kent to schedule a briefing or presentation. For your reference, the NWFLS [Resources Page](#) has [static](#) and [recorded](#) presentations, factsheets, a [Story Map](#), a [web map application](#) showing our partners' focus areas, and the [Sentinel Landscapes in Florida Memorandum of Understanding](#).

To contribute to our newsletter, to subscribe or unsubscribe to this newsletter, or to be added or removed to the NWFLS partners list and our working groups, please email [Kent Wimmer](#).

City of
Jacksonville,
Military Affairs
and Veteran
Department

ENCROACHMENT
PROTECTION/COMPATIBLE
LAND USE FOR NS
MAYPORT, NAS
JACKSONVILLE AND OLF
WHITEHOUSE
JULY 1, 2022-JUNE 30,
2025

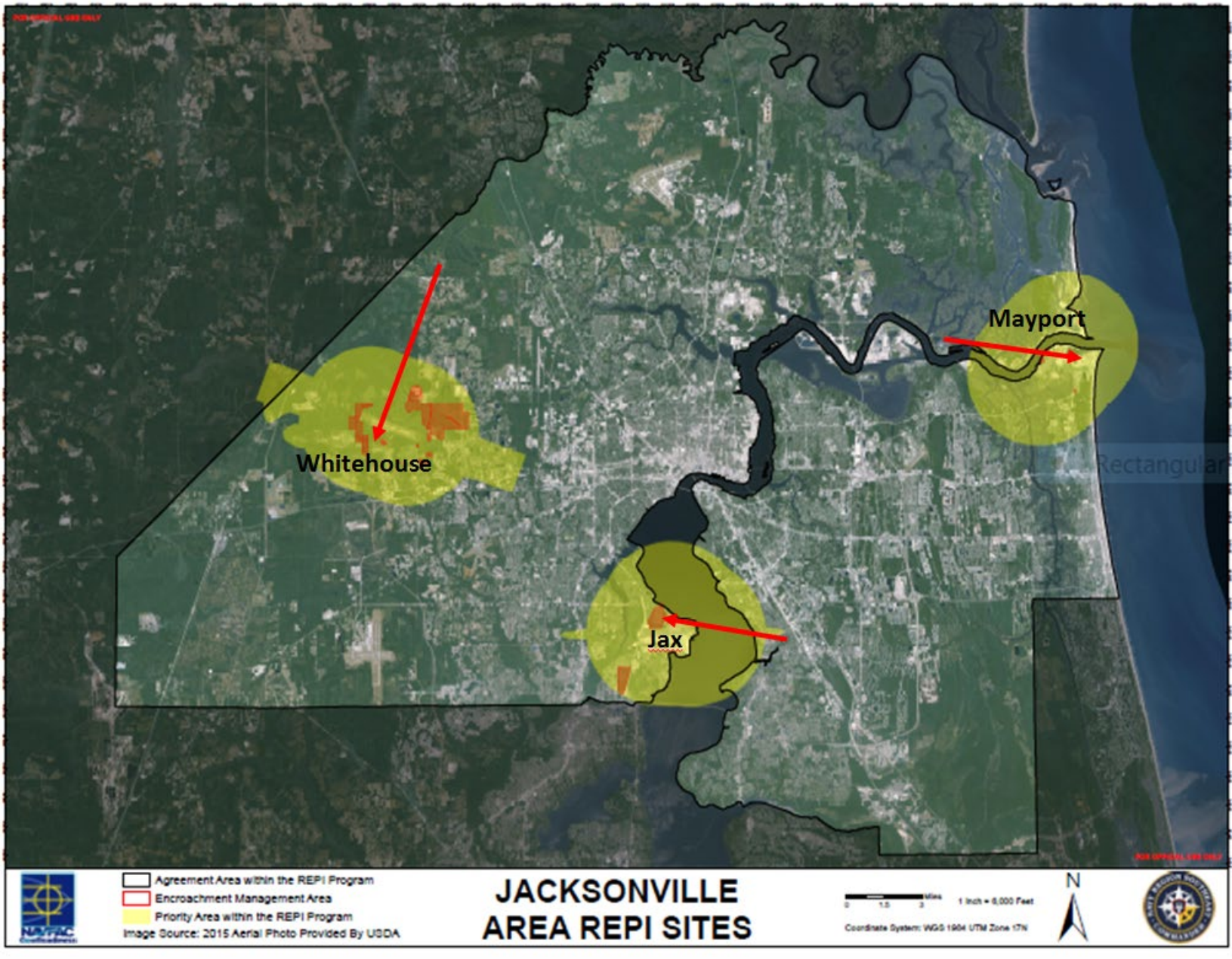


“OUR CITY HAS A STRONG RELATIONSHIP WITH THE MILITARY, PARTICULARLY THE U.S. NAVY. THAT RELATIONSHIP EXTENDS BEYOND JOBS AND ECONOMIC IMPACTS. THESE SERVICE MEMBERS ARE A VITAL PART OF OUR COMMUNITY.”

- Mayor Lenny Curry

"THE CITY OF JACKSONVILLE AND THE UNITED STATES NAVY HAVE PARTNERED TO SUCCESSFULLY PROTECT THE MILITARY MISSIONS AND SERVICE MEMBERS FOR MORE THAN 12 YEARS. THIS PARTNERSHIP HAS LED TO OVER 1600 ACRES BEING PROTECTED FROM INCOMPATIBLE LAND USE IN THE MILITARY INFLUENCE ZONE OF DUVAL COUNTY INSTALLATIONS. THROUGH THE OUTSTANDING SUPPORT OF THE STATE OF FLORIDA WE CONTINUE TO BE ABLE TO COMBINE FUNDS TO SECURE THE LONG-TERM VIABILITY OF OUR NAVY BASES."

Captain Jeff Hill, NAS Jacksonville



SECOND AMENDED AND RESTATED
MULTI-YEAR ENCROACHMENT PROTECTION AGREEMENT

INTRODUCTION:

This **Second Amended and Restated Multi-Year Encroachment Protection Agreement Between the United States of America, the City of Jacksonville, Florida, and North Florida Land Trust, Inc.** ("**Agreement**") is effective as of the date of the last signature below (the "**Effective Date**") and is entered into by and among The United States of America, acting by and through The Department of the Navy ("**Navy**"); the City of Jacksonville, Florida, a consolidated political subdivision and municipal corporation existing under the laws of the State of Florida ("**City**"); and North Florida Land Trust, Inc., a Florida not for profit corporation ("**NFLT**"). (each a "**Party**" and collectively, the "**Parties**").

The Parties have entered into this Agreement to establish the terms and conditions applicable to the contribution of Federal funds for acquisition of long-term interests in parcels of land in the vicinity of Naval Air Station Jacksonville ("**NAS Jacksonville**"), Navy Outlying Landing Field Whitehouse ("**NOLF Whitehouse**"), Naval Station Mayport ("**NS Mayport**"), and the Pinecastle Range Complex, (each an "**Installation**" and collectively, the "**Installations**") in accordance with the provisions of 10 U.S.C. §2684a as described in more detail below. This Agreement is amended and restated to add North Florida Land Trust, Inc. as a Party to the Agreement; to add the Pinecastle Range Complex as an Installation under the Agreement; and to extend the term of the Agreement. The Parties hereby affirm the following Recitals, which Recitals are incorporated into the Agreement by reference.

RECITALS:

A. WHEREAS, Navy and City entered into that certain Amended and Restated Multi-Year Encroachment Protection Agreement Between the United States of America and the City of Jacksonville, Florida, effective as of 3 May 2017, (the "**Amended and Restated Agreement**") to prevent encroachment, limit incompatible development, and promote conservation of ecologically and agriculturally significant lands in the vicinity of the Installations, all as more particularly described in the Amended and Restated Agreement as amended and restated herein;

B. WHEREAS, Navy previously amended the Amended and Restated Agreement pursuant to those certain administrative modifications Numbers 3 through 11, for Navy funding purposes (the "**Previous Amendments**") (hereafter, all references to the Amended and Restated Agreement means the Amended and Restated Agreement as amended by the Previous Amendments);

C. WHEREAS, pursuant to this Agreement, Navy and City desire to amend and restate the Amended and Restated Agreement by, among other things, adding NFLT as an additional Party so that NFLT may participate in transactions contemplated in the Amended and Restated Agreement, as amended and restated by this Agreement;

D. WHEREAS, NFLT desires to be added as an additional Party to the Amended and Restated Agreement, as amended, restated, and superseded in its entirety by this Agreement, so that NFLT may participate in transactions contemplated in the Amended and Restated Agreement, as amended and restated by this Agreement;

E. WHEREAS, NFLT is an "eligible entity" under the provisions of Title 10 of the United States Code Section 2684a;

F. WHEREAS, City and NFLT may each be referred to as a "**Non-Navy Party**" or an "**Eligible Entity**," or collectively as the "**Non-Navy Parties**" or "**Eligible Entities**";

G. WHEREAS, the Parties agree that Navy's contribution toward any particular acquisition under this Agreement in which NFLT is the Participant shall be a fifty percent (50%) cost share;

H. WHEREAS, the Parties agree to add the Pinecastle Range Complex, located in Marion, Lake, Volusia, and Putnam Counties, Florida, as an "**Installation**" subject to this Agreement;

I. WHEREAS, the Parties desire to replace Attachment A to the Amended and Restated Agreement with updated maps depicting the Military Influence Zones around NAS Jacksonville, OLF Whitehouse, and NS Mayport and the Military Operations Area for the Pinecastle Range Complex subject to this Agreement;

J. WHEREAS, the Parties agree the term of this Agreement shall be five (5) years, with two options for an additional five (5) years each, consistent with the provisions of Section 5.01 herein;

K. WHEREAS, the Parties stipulate that they are entering into this Agreement solely for the purposes of: (i) adding NFLT as a Non-Navy Party; (ii) establishing a fifty percent (50%) cost share for acquisitions in which NFLT is the Participant; (iii) replacing Attachment A with an updated Attachment A; (iv) extending the term of this Agreement and adding two options for additional extensions; and (v) amending and restating the Amended and Restated Agreement in its entirety, pursuant to the terms of this Agreement; and

L. WHEREAS, the Parties stipulate that this Agreement shall supersede and replace the Amended and Restated Agreement.

NOW THEREFORE, for and in consideration of the mutual promises set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby amend and restate the Amended and Restated Agreement in its entirety, each Party agreeing to be bound by the terms of this Agreement.

**PURCHASE AND SALE AGREEMENT
FOR RESTRICTIVE EASEMENT**

THIS PURCHASE AND SALE AGREEMENT FOR RESTRICTIVE EASEMENT (the "Agreement") is made and entered into this 2nd day of April, 2020 (the "Effective Date") by and between the **CITY OF JACKSONVILLE**, a consolidated municipal and county political subdivision of the State of Florida, having an address of c/o Military and Veterans Affairs Department, Office of General Counsel, 117 West Duval Street, Jacksonville, Florida 32202 (the "Purchaser"), and **TIMUQUANA COUNTRY CLUB**, a Florida Not For Profit Corporation, having an address of 4028 Timuquana Road, Jacksonville, Florida 32210 (the "Seller").

A. Seller is the owner of a parcel of land located in Duval County, Florida, more particularly described on **Exhibit A** (the "Property") consisting of approximately 100 acres, more or less, and being a portion of Tax Parcel Number 97640-0000.

B. Purchaser, pursuant to that certain Multi-Year Encroachment Protection Agreement effective July 29, 2009, as authorized by Jacksonville Ordinance 2009-60-E, as amended from time to time, and that certain Amended and Restated Multi-Year Encroachment Protection Agreement dated May 3, 2017, as authorized by Jacksonville Ordinance 2017-153-E, (collectively, the "Encroachment Agreement") between Purchaser and United States of America, Department of the Navy (the "Department of the Navy" or "Navy"), as supplemented by the authority in Jacksonville Ordinance 2012-498-E for the Mayor and Corporation Secretary to execute and deliver on behalf of Purchaser those documents necessary or appropriate to effectuate future acquisitions by Purchaser and Navy of properties designated as part of the Military Notice Zone in the City of Jacksonville Comprehensive Plan within which the Property lies, desires to purchase a restrictive easement interest over the Property from the Seller subject to the terms and conditions in this Agreement.

C. Pursuant to the Encroachment Agreement the Department of the Navy will contribute funds to Purchaser for Purchaser's acquisition of a restrictive easement from Seller.

D. The Seller has also agreed to grant Purchaser an option to purchase additional restrictive easements over other lands owned by Seller, as set forth in this Agreement.

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree to the terms and conditions of this Agreement.




1. **DESCRIPTION OF TRANSACTION.** Seller agrees to grant to Purchaser, and Purchaser agrees to purchase from Seller, in accordance with the terms and subject to the conditions contained in this Agreement, a restrictive easement over the Property (the "Easement").

2. **PURCHASE PRICE.** In consideration of Seller's conveyance of the Easement, Purchaser shall pay Seller **\$5,884,000.00** (the "Purchase Price") in accordance with the



**Timuquana
Country
Club**
Jacksonville, FL
EXHIBIT MAP

LEGEND

-  NAS Jacksonville
-  Restrictive Use Easement 100 Ac.
-  Restrictive Use Easement 35 Ac.



Scale: 1:12,000


PREPARED BY:

Date: 4/16/2021
Naval Facilities Engineering
Command Southeast
Asset Utilization Branch, AM1C
Contact: SE CADASTRAL



**PURCHASE AND SALE AGREEMENT
FOR RESTRICTIVE EASEMENT**

THIS PURCHASE AND SALE AGREEMENT FOR RESTRICTIVE EASEMENT (the "Agreement") is made and entered into this 15 day of April, 2022 (the "Effective Date") by and between the **CITY OF JACKSONVILLE**, a consolidated municipal and county political subdivision of the State of Florida, having an address of c/o Military and Veterans Affairs Department, Office of General Counsel, 117 West Duval Street, Jacksonville, Florida 32202 (the "Purchaser"), and **TIMUQUANA COUNTRY CLUB**, a Florida Not For Profit Corporation, having an address of 4028 Timuquana Road, Jacksonville, Florida 32210 (the "Seller").

A. Seller and Purchaser are parties to that certain Purchase and Sale Agreement dated April 2, 2020 (the "Original Agreement") pursuant to which Seller granted Purchaser continuing options to purchase restrictive easements over certain lands consisting of approximately 295.55 acres and comprised of the lands designated as Real Estate Parcel Number 97640-0000 and Real Estate Parcel Number 097682-0000, less that approximately 100 acres portion of Real Estate Parcel Number 97640-0000 that is subject to the Restrictive Easement between Purchaser and Seller dated May 11, 2020 and recorded at Official Book 19207, Page 1830, in the public records of Duval County, Florida, and that 35 acres portion of Real Estate Parcel Number 97640-0000 subject to the Restrictive Easement between Purchaser and Seller dated June 4, 2021 and recorded at Official Book 19781, Page 1382, in said public records (collectively, the "Option Property");

B. Purchaser has exercised an option to purchase a restrictive easement over that portion of the Option Property set forth on Exhibit A attached hereto and consisting of approximately sixty (60) acres, pursuant to the terms and conditions of the Original Agreement (the "Property");

C. Purchaser, pursuant to that certain Multi-Year Encroachment Protection Agreement effective July 29, 2009, as authorized by Jacksonville Ordinance 2009-60-E, as amended from time to time, and that certain Amended and Restated Multi-Year Encroachment Protection Agreement dated May 3, 2017, as authorized by Jacksonville Ordinance 2017-153-E, (collectively, the "Encroachment Agreement") between Purchaser and United States of America, Department of the Navy (the "Department of the Navy" or "Navy"), as supplemented by the authority in Jacksonville Ordinance 2012-498-B for the Mayor and Corporation Secretary to execute and deliver on behalf of Purchaser those documents necessary or appropriate to effectuate future acquisitions by Purchaser and Navy of properties designated as part of the Military Notice Zone in the City of Jacksonville Comprehensive Plan within which the Property lies, desires to purchase a restrictive easement interest over the Property from the Seller subject to the terms and conditions in this Agreement.

D. Pursuant to the Encroachment Agreement the Department of the Navy will contribute funds to Purchaser for Purchaser's acquisition of a restrictive easement from Seller.

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree to the terms and conditions of this Agreement.

ACTIVE:15057607.4

1. **RECITALS; DEFINITIONS.** The recitals set forth above are true and correct and are incorporated into this Agreement by reference. Capitalized terms not defined herein shall have the meanings set forth in the Original Agreement.

2. **DESCRIPTION OF TRANSACTION.** Seller agrees to grant to Purchaser, and Purchaser agrees to purchase from Seller, in accordance with the terms and subject to the conditions contained in this Agreement, a restrictive easement over the Property (the "Easement").

3. **PURCHASE PRICE.** In consideration of Seller's conveyance of the Easement, Purchaser shall pay Seller \$3,530,400.00 (the "Purchase Price") in accordance with the payment terms set forth in this Agreement. The escrow and closing agent for this transaction shall be GIBRALTAR TITLE SERVICES (the "Escrow Agent").

a. **City of Jacksonville Funding Contribution.** Pursuant to the Encroachment Agreement, the City's maximum indebtedness amount under this Agreement for its 25% Share of the Purchase Price is not to exceed \$852,600.00 (the "City's Maximum Indebtedness").

b. **Department of Navy Funding Contribution.** Pursuant to the Encroachment Agreement, the Department of the Navy's contribution for purchase of the Easement shall be 75% of the Purchase Price, not to exceed \$2,647,800.00 plus allocated closing costs (the "Navy's Funding Contribution"). Seller understands and agrees that the Closing is expressly conditioned upon the Escrow Agent's receipt of the Navy's Funding Contribution, together with Navy's other allocated closing costs, on or before the Closing Date.

4. **INSPECTION PERIOD.**

a. **Duration.** Purchaser and its agents shall have the right subject to the terms in this Agreement for a 30 day period beginning on the Effective Date and ending at 5:00 p.m. (Jacksonville, Florida time) on the 30th day after the Effective Date (the "Inspection Period"), or any other time approved by Seller, to enter upon the Property to inspect, examine, and investigate the Property to determine whether or not the same is satisfactory to Purchaser, in Purchaser's sole discretion, for the purpose of purchasing the restrictive easement. If Purchaser determines in its sole discretion, that the Property is not satisfactory to Purchaser, then Purchaser may terminate this Agreement by written notice to Seller prior to the end of the Inspection Period, whereupon the parties shall have no further rights or obligations under this Agreement except those that specifically survive the termination of this Agreement.

b. **Entry and Inspection.** Purchaser shall have the right and privilege to enter upon any portion of the Property to inspect, examine, appraise, survey, and otherwise perform or conduct such tests, inspections, studies, audits, appraisals, or other evaluations as Purchaser may deem necessary, at Purchaser's sole cost and expense, in conjunction with Purchaser's acquisition of the Easement; provided that Purchaser may not conduct any soil borings or any phase II environmental studies without Seller's prior written consent. Following Purchaser's inspection of the Property, Purchaser shall restore the Property to its original condition, normal wear and tear and acts of nature excepted.

ACTIVE:15057607.4

This instrument prepared by:
Office of General Counsel
Department of the Navy

Contract No. N69450-21-RP-00048

Record and Return to:
Naval Facilities Engineering Systems Command Southeast
Attn: Real Estate Contracting Officer AM12
Box 30, Bldg. 903
Jacksonville, FL 32212-0030

RESTRICTIVE EASEMENT

TIDS GRANT OF RESTRICTIVE EASEMENT is made this_ day of _____, 2021 (the "Effective Date"), by **TIMUQUANA COUNTRY CLUB**, a Florida Not For Profit Corporation, having an address of 4028 Timuquana Road, Jacksonville, Florida 32212-8532 (the "**Grantor**"), to the **CITY OF JACKSONVILLE**, a consolidated political subdivision and municipal corporation existing under the laws of the State of Florida, having an address of 117 West Duval St., Florida 32202 (the "**Grantee**").

WITNESSETH:

WHEREAS, Grantor is the sole owner in fee simple of certain non-homestead real property containing approximately thirty-five (35) acres located in Duval County, Florida, being a portion of Duval Tax Parcel 97640-0000, as more particularly described in **Exhibit A** and depicted in **Exhibit B** both of which are attached hereto and incorporated by this reference (the "**Property**"); and

WHEREAS, the Property is in the vicinity of Naval Air Station Jacksonville, Florida (the "**Installation**") which is operated and used by the United States of America (the "**United States**") for military purposes; and

WHEREAS, Grantee and the Federal Government have entered into an agreement pursuant to 10 U.S.C. § 2684a to work together to prevent encroachment, limit development that is incompatible with the mission of the Installation, and achieve conservation objectives by acquiring certain real property interests located in the vicinity of the Installation; and

WHEREAS, Jacksonville Ordinance 2012-498-E authorizes the Mayor and Corporation Secretary to execute and deliver on behalf of Grantee those documents necessary or appropriate to effectuate future acquisitions by Grantee of properties designated as part of the Military Notice Zone in the City of Jacksonville Comprehensive Plan within which the Property lies; and

FOR OFFICIAL USE ONLY



NAS JACKSONVILLE

N00207

ENCROACHMENT PROTECTION



- Timuquana Country Club - Phase 1
- Timuquana Country Club - Phase 2
- Timuquana Country Club - Phase 3
- Timuquana Country Club - Phase 4
- Timuquana Country Club - Phase 5
- Installation Boundary
- Air Accident Potential Zone I
- Air Accident Potential Zone II

WGS 1984 UTM Zone 17N
 Projection: Transverse Mercator
 Datum: WGS 1984
 Sheet Size: 17"W x 11"H



Scale: 1:16,000
 1 inch = 1,333 feet



PREPARED BY:



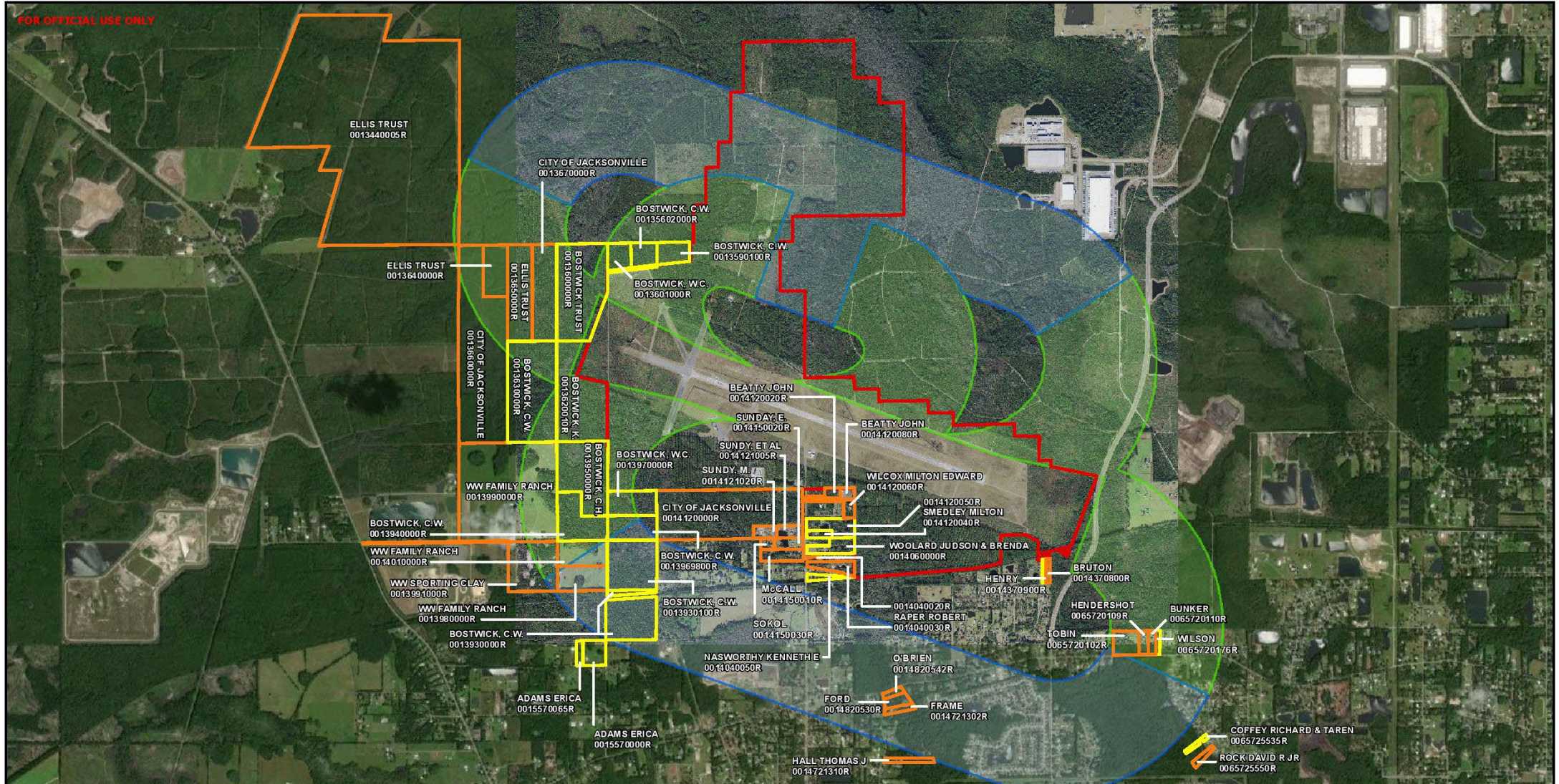
Date: 6/15/2020
 Naval Facilities Engineering
 Command Southeast
 Asset Utilization Branch, AM4

Contact: John Frazier
 (904) 270-3176

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OLF WHITEHOUSE

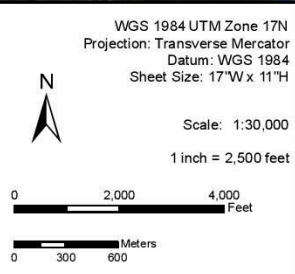
N00207-WH

ENCROACHMENT PROTECTION



Legend

- Future Parcels
 - Closed Parcels
 - Installation Boundary
- Air Accident Potential Zones**
- APZ I
 - APZ II



PREPARED BY:

 Date: 6/14/2021
 Naval Facilities Engineering
 Command Southeast
 Asset Utilization Branch, AM4
 Contact: John Frazier
 (904) 270-3176

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Florida Defense Support Task Force

FY 2022 - 2023 GRANT FUNDING APPLICATION

Presented by Josh Cockrell, Executive Director
Clay County Development Authority

About Camp Blanding Joint Training Center



Camp Blanding Joint Training Center (CBJTC) is a critically vital training center that annually trains over 350,000 Florida National Guard troops, active duty military, law enforcement officers, Department of Homeland Security agents, Drug Enforcement Agents, Florida Department of Law Enforcement agents, various Florida counties' sheriff's department personnel and first responders, and others.

PROPOSED PROJECT: Installation Encroachment Acquisition



The development pressure from the surrounding area has prompted CBJTC to make the areas along the border of the installation the highest priority for protection from development encroachment.

This project will purchase fee and/or less than fee interest in property(ies) within the approved Army Compatible Use Buffer (ACUB) around CBJTC by using matching funds from the FDSTF and the DoD REPI Program.

PROPOSED PROJECT: Installation Encroachment Acquisition



The property(ies) will be located within either Bradford County or Clay County.

The buffer will serve as protection from future development-related land-use impacts to the military installation as well as establishing an expanded buffer around CBJTC that will prevent strained relations with nearby residents thus improving the military-friendly environment in Clay County.

PROPOSED PROJECT: Installation Encroachment Acquisition



The buffer would also facilitate training capability growth within the current boundaries of the installation, as well as protect and safeguard current and future training operations at Camp Blanding.

An additional benefit provided by a permanent buffer area adjacent to the border of the installation is that it protects natural wetlands and state-listed flora and fauna from development activities.

PROPOSED PROJECT: Installation Encroachment Acquisition



This project will leverage approximately \$500,000 of Readiness and Environmental Protection Integration (DoD-REPI) funds. The specifics of the sale including the appraisals and contract negotiations will be handled by ACUB partner(s).

ACUB partner(s) will utilize the parcel(s) for flood mitigation and water recharge issues in this region. For properties located in Bradford County, there will be an annual payment in lieu of taxes.

The property(ies) are not included in the current Florida Forever Program and would be acquired by ACUB partner(s) as project lands or other protected lands.

Alignment With FDSTF's Strategic Plan



This project directly supports the FDSTF mission, as described in F.S. 288.987, by preserving, protecting, and enhancing Florida's military installations and to improve the states military friendly environment for service members that bring military and base related jobs to the state.

This project aligns with the FDSTF's guiding principles (goals) as identified in the FDSTF Strategic Plan updated on 11/1/20, to identify, prioritize and address all current or potential base and range encroachment issues, including, but not limited to airspace, environmental, energy, frequency spectrum, and land and water use compatibility.

Alignment With FDSTF's Strategic Plan



Finally, the FDSTF Strategic Plan long-term strategic goals for all military installations are addressed by:

- Identifying encroachment challenges and working with state and local partners to reduce or eliminate encroachment affecting installations, ranges and flight corridors.
- Promoting land use agreements to increase or sustain ranges and their associated or escalating requirements and capabilities. This includes purchase of conservation or non-conservation land or development rights / restrictive easements that limit incompatible use.

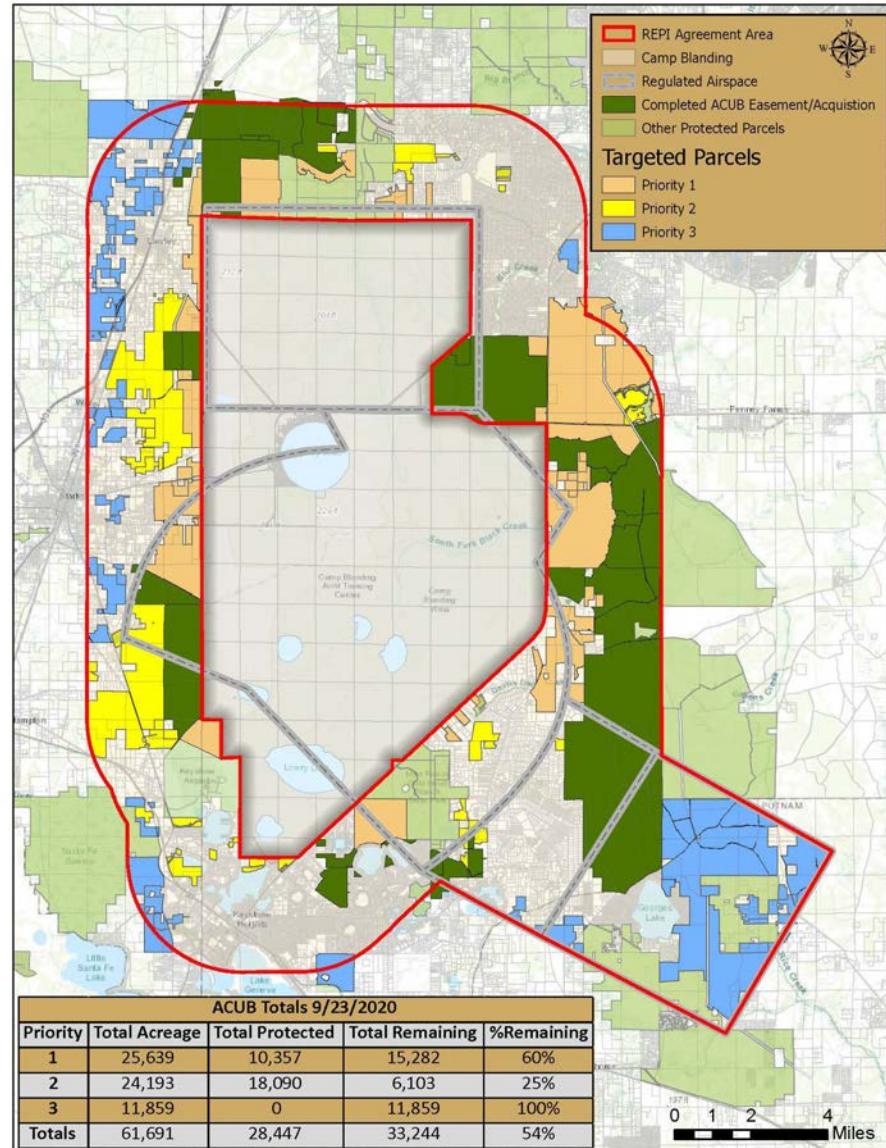


SUMMARY

Installation encroachment acquisition of fee and/or less than fee interest in property(ies) within ACUB around CBJTC.

\$500,000 of FDSTF Grant funding will be leveraged with approximately \$500,000 of REPI funds, enabling the appraisal(s), surveying(s), and acquisition(s).

TOTAL: \$1,000,000



Preparing Florida's Major Military Base Community Schools for Best-in-Class Purple Star School Designation

Grant Application Presentation | May 19, 2022

Tim Farrell
Senior Vice President & Chief Operating Officer
Military Child Education Coalition® (MCEC®)

Overview

- **Thanks for your sustained partnership & investment**
- **We're grateful to return and present again**
- **National Advocate for the Purple Star Schools Program™**
- **Best-practice & best-value implementation of HB 429**
- **Reinforce “Florida Military Ready”**



MCEC-FDSTF Sustained Partnership

- **16-143**: *Comprehensive Plan to Support Military and Veteran Connected Children and Families in the State of Florida*
- **20-100**: *Transition Support for Florida's Military-Connected Children*
- MCEC **Military Student Transition Consultants** serving in districts
- **Student 2 Student®**, additional signature MCEC programs
- Now the **National Advocate for the Purple Star Schools Program™**



Purple Star School district readiness support is an evolutionary next step in boosting “Florida Military Ready” education ecosystem

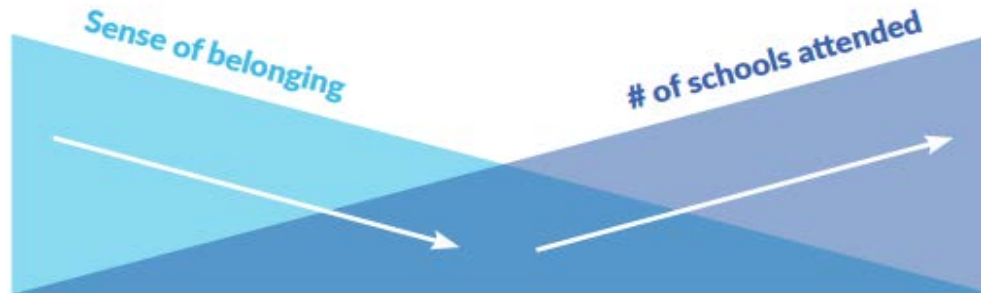
Why Purple Star Schools?



- **Military-connected students' education** is a **top-3 concern** for parents when **choosing where to live** – and can motivate **separation from service** decisions
- **Military life** and **frequent relocations** that necessitate moving to a new school may **impede a child's sense of belonging** to their school – *and a sense of belonging is integral to positive child outcomes*
 - **52%** of active-duty families whose oldest child has attended **4 schools or fewer** also believe their child feels a **sense of belonging** to their current school, but ...
 - ... **just 36%** whose oldest child has attended **five or more schools** feel similarly

Figure 2: Sense of Belonging to School and Relocation

As the number of schools attended increases, sense of belonging to school decreases



Source: Blue Star Families 2021 Military Family Lifestyle Survey Report

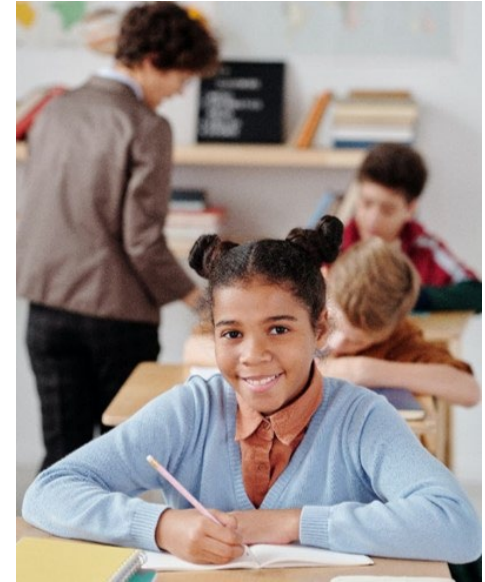
Purple Star Schools Explained

- **Overarching intent**: Improve educational services, environment and outcomes for military-connected students
- Designed to help mitigate the challenges of high mobility by setting standards for – and publicly designating – military-friendly schools
- **Florida’s HB 429**, signed into law by Gov DeSantis June 4, 2021, mirrors 30 other states’ requirements and intent:
 - Designated **campus military liaison**
 - Dedicated **campus webpage** with supportive resources for military-connected students and their families
 - **Student-led campus transition program** for inbound military-connected students
 - **Staff professional development** opportunities on military-connected student-centric issues and needs

MCEC as the National Advocate for the Purple Star Schools Program™



- The **only national military-support nonprofit singularly focused** on continuously **improving the education ecosystem's ability** to create **better outcomes for military-connected students**
- **MCEC's longstanding core programs** and services for military-connected students, parents and education professionals are also the **core elements of a Purple Star Schools program**
- **Longstanding relationships, trust and credibility** within high military population school districts, including the largest districts in Florida's highest military population centers



PURPLE STAR SCHOOLS



MCEC™

NATIONAL ADVOCATE™

Why This Initiative for 2022-2023

- **Best-practice implementation of HB 429**
- **Keeping pace and moving Florida ahead nationwide**
 - Though Florida is a charter member of the Military Interstate Children's Compact Commission (MIC3), 20+ states preceded Florida in establishing a Purple Star Schools program
 - Accelerate Florida's Purple Star Schools program implementation
 - Apply lessons learned in other states
 - Leverage MCEC's PADDIE+M educational development & delivery model
 - Planning, Analysis, Design, Development, Implementation, Evaluation, Maintenance
 - Make Florida's program a nationwide standard-bearer

Well equipped, trusted, welcoming, and high-performing schools send a powerful signal to military basing and roles & mission decision-makers

Supporting the FDSTF Mission



- The **quality of K-12 schools** near military facilities is part of a broad calculus the Department of Defense employs in recommending to Congress **future basing and personnel decisions**
- Communities with **Purple Star Schools** can help retain bases and attract military families who bring **economic benefits to local communities**
- Investing in best-practice implementation of HB 429 requirements will put Florida in a more educationally convincing position to **preserve, protect and enhance Florida's military installations**, and **insulate them from potential future Base Realignment and Closure (BRAC) commissions** and similar reductions that can have **adverse economic impact**



Best Value for Florida

- **MCEC Community Coordinators serving in each of Florida's 3 largest military population centers (Hillsborough, Okaloosa, Duval)**
- **Supported by MCEC's nationwide enterprise – economies of scale**
- **Purple Star School readiness curriculum delivered across Florida**
 - In schools/across districts, via hybrid in-person/virtual delivery
 - Regional summits and similar events for broader/deeper impact
 - All tenets/requirements for campus/district Purple Star School designation trained and supported, with nationwide best practices adapted to Florida
 - Committed to preparing no fewer than 10 schools in each of Hillsborough, Okaloosa & Duval County Districts for Purple Star School designation readiness
 - Boots on ground and reachback capabilities will likely allow us to reach farther across the state into Guard and Reserve-centric communities and prepare even more districts and campuses for designation readiness
- **\$250,000 request for significant impact across districts and state**
 - Community coordinators: $\$70,000 \times 3 = \$210,000$
 - Curriculum development and delivery: $\$10,000$
 - Regional Purple Star School readiness summits: $\$10,000 \times 3 = \$30,000$

Performance Measures



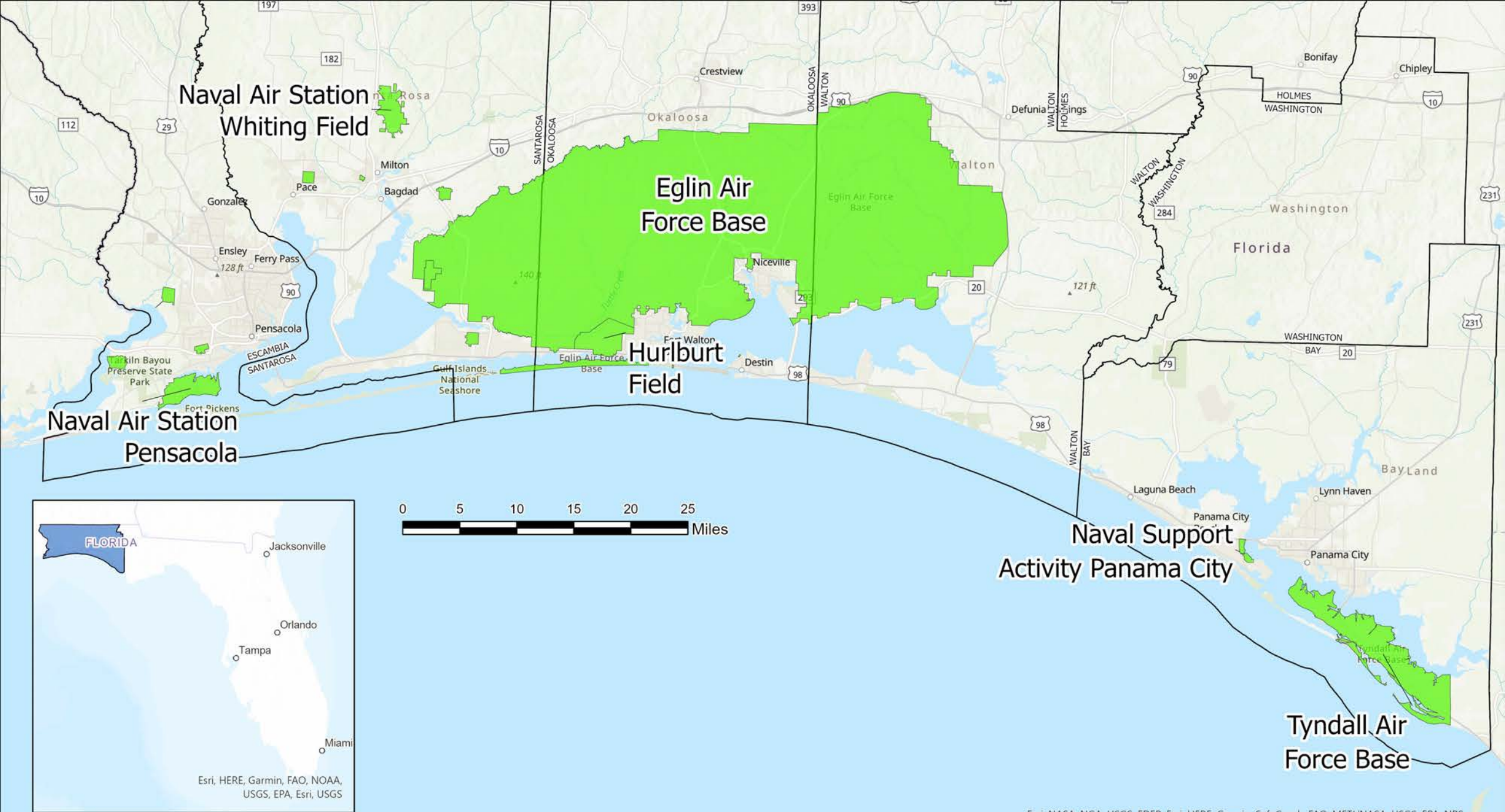
- **Behavioral and other survey data will determine:**
 - For schools/districts:
 - Impact of the Purple Star Schools program on schools overall
 - Academic development of military-connected students
 - Overall well-being impacts on military connected students
 - For military families:
 - How parents rate their child's overall well-being experience at their school
 - How parents rate their child's academic experience at their school
- **Tangible measure of number of schools:**
 - Determined (consultation w/MCEC, district administrators) Purple Star School ready
 - Applied for Purple Star School designation
 - Obtained Purple Star School designation
- **Timeframes from:**
 - Completion of MCEC's Purple Star School readiness training and preparation ...
 - ... to application
 - ... to designation

Summary

- Proud & grateful to be Florida's military child education partner
- Florida's initiative & MCEC's capabilities meet this moment
- Best-practice & best-value implementation of HB 429
- Purple Star Schools Reinforcing "Florida Military Ready"
- We're excited to serve Florida through FY and Academic Year 22-23



Intergovernmental Support Agreement (IGSA) Development



Intergovernmental Support Agreements (IGSAs)

- Created in 2013 by 10 USC 2679.
- Allows military services to create formal partnerships with local and state governments for services, material procurement, and mutual support
- 185 IGSAs exist across DoD, saving ~\$50M/Year.



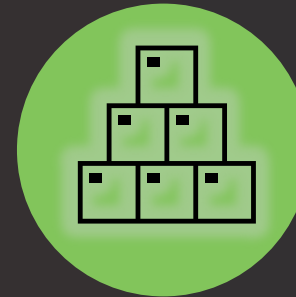
Joint Base San Antonio / Alamo Area COG IGSA



Regional or “blanket” IGSAs include multiple installations and multiple partners.



The Alamo Area COG serves as the facilitator between JBSA and multiple state and local government agencies



Joint Base San Antonio will reduce expenditures for bulk materials by **18%**

Alamo Area COG, Joint Base San Antonio sign blanket IGSA. Photo by Miguel Segura

Benefits of Existing IGSAs



US Army Garrison Presidio of Monterey



Photo by KALB

A regional IGSA saves the Presidio of Monterey
22% in operation support costs annually.

A GAO Study showed that an IGSA for waste removal at Fort Polk, Louisiana saved nearly
\$2,000,000 in its first year



PROJECT TIMELINE

July 2022	October 2022	January 2023	April 2023
<p data-bbox="30 439 504 634">Procurement of Consultant Services</p> <p data-bbox="30 701 504 1089">Outreach and Education with Bases and Potential Community Partners</p>	<p data-bbox="573 554 1156 941">Meetings with Military installations and partners to identify opportunities for initial partnerships</p>	<p data-bbox="1225 439 1834 791">Create working groups for each identified partnership opportunity to refine details</p> <p data-bbox="1225 825 1834 1076">Create working groups; Communicate with leadership</p>	<p data-bbox="1905 519 2499 753">Cost benefit analysis of potential initial partnerships</p> <p data-bbox="1905 788 2499 1025">Final recommendations for IGSA creation</p>



Supporting your Strategic Plan



Florida

Defense Support Task Force

Strategic Plan

2020 – 2025

November 1, 2020

Enterprise Florida, Inc.
101 North Monroe St. Suite 1000
Tallahassee, FL 32301
(850) 878-4578



1

**Objective
#1.1**

Promote Florida as best and most cost-effective solution for DoD

**Objective
#2.3**

Lower installations' costs of doing business through public-private partnerships.

**Activity
#2.3.1**

Assist in identifying for communities, opportunities for Community Partnerships with local bases

Goal #3

Foster and strengthen mutually beneficial communication and relationships between state, installation and community

Supporting your Strategic Plan

Base Specific Objectives & Activities



Florida

Defense Support Task Force
Strategic Plan
2020 – 2025

November 1, 2020

Enterprise Florida, Inc.
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***NAS Pensacola** Public-Private Partnership Agreements for cross-fence line infrastructure and public services.*

***Eglin AFB** Strengthen support for Community Partnership Programs.*

***Tyndall AFB** Promote engagement of all local government, municipalities and the county to ensure that the Base of the Future is supported by the community of the future, committed to the delivery of quality services.*

Contact

- **Austin Mount, CEO**
austin.mount@ecrc.org

- **Ada Clark**
Community & Econ. Dev. Manager
ada.clark@ecrc.org

- **Eric Christianson, Planner**
Community & Econ. Dev. Manager
eric.christianson@ecrc.org



PROPOSAL FOR NON-PUBLIC CTE CERTIFICATION PILOT PROGRAM FUNDING

- Objective: Create a first-year pilot program among 3 non-public educational institutions with the purpose of offering STEM learning resulting in high demand industry certifications and an interview with a local business.
- Public Private Partnership – The HSU Educational Foundation has developed extensive formal partnerships with industry, military, schools and civic agencies who share an aligned interest in preparing the next generation with the high demand skills needed for high wage careers.



QUICK FACTS

Offer courses in 3 tracks:

- Business & IT
- Engineering & Manufacturing
- Aviation



Every track is paired with an industry certification and provides hands-on experiential project based learning opportunities.



Upon graduation and completion of specified courses/certifications the student will be eligible for an interview with a local employer.



TRAINING PROVIDED ARE FOR COURSES IN HIGH DEMAND ACROSS THE NATION.



MILITARY STUDENTS THAT GAIN CERTIFICATIONS WILL BE ABLE TO USE THOSE CERTIFICATIONS WHEREVER THEY MOVE MAKING THE RELOCATION TRANSITION MUCH EASIER.

IMPACT

- Provide a clear, technical career pathway for students to enter the workforce immediately upon graduation filling a high demand, high wage technical job and meeting the employment needs of fast growing companies nationwide.





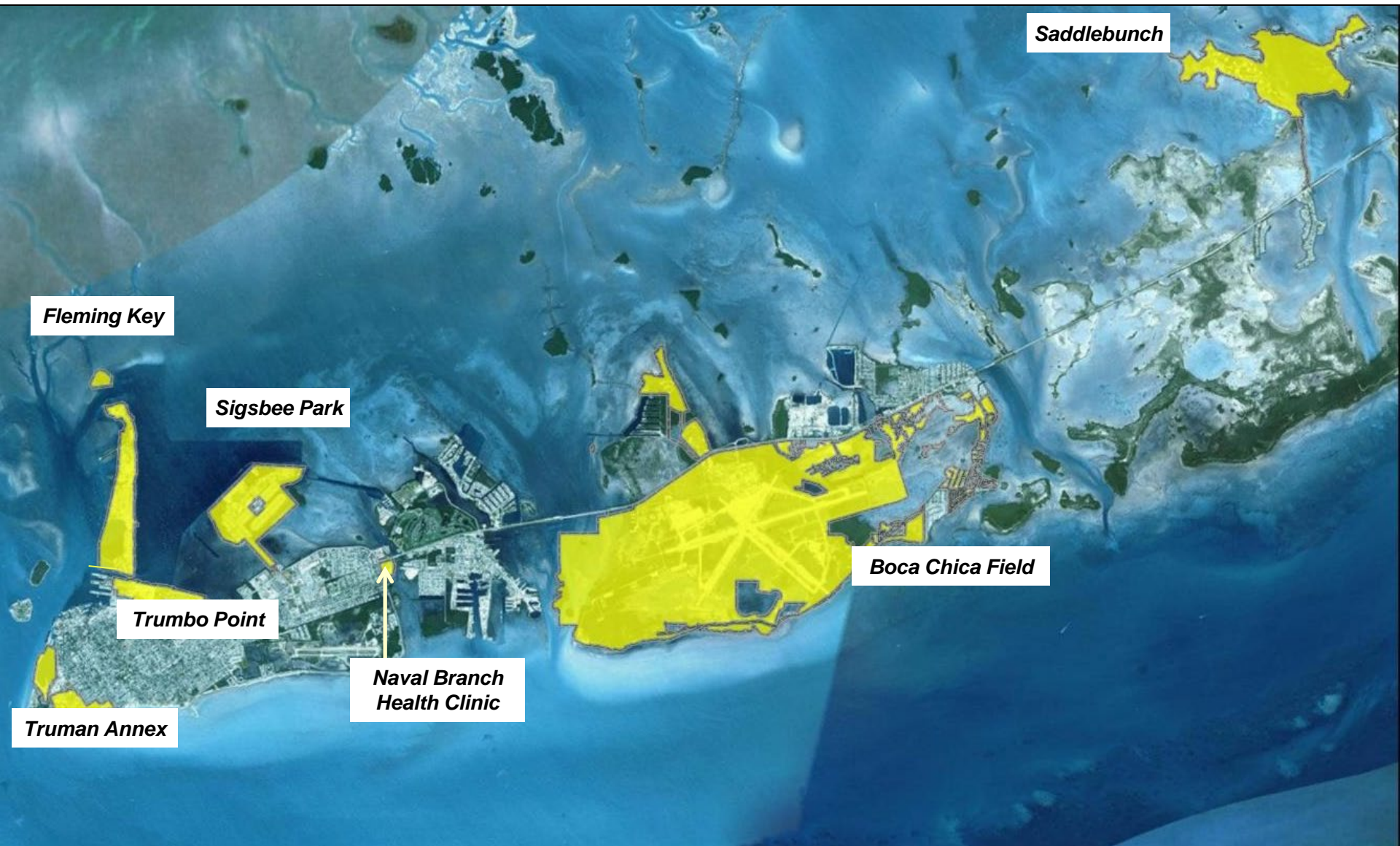
Naval Air Station Key West
Presented to:
Florida Defense Support Task Force

CAPT Beth Regoli
15 SEPT 2022

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Naval Air Station Key West



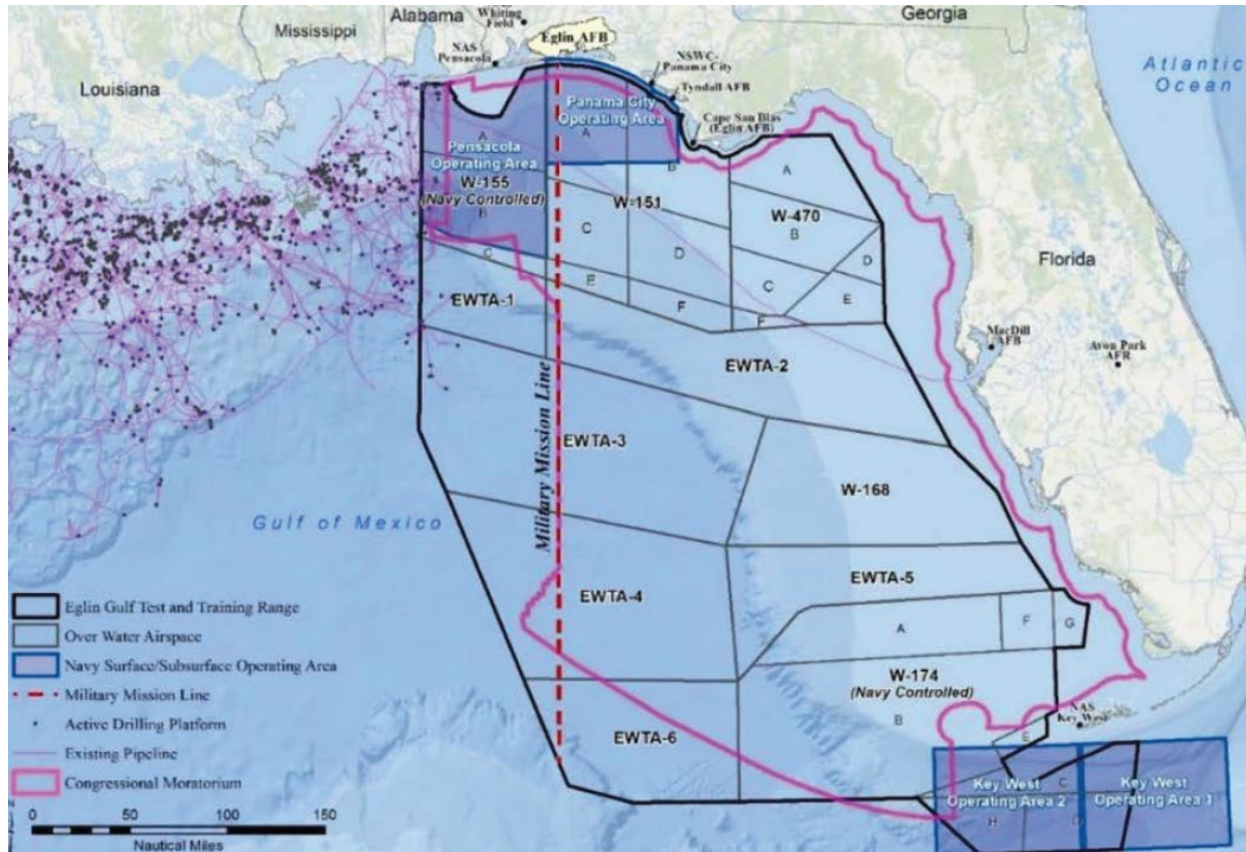


Tenants/Organizations





Air Space



- 30,000 square miles of unencumbered air space
- Achieving and sustaining air-to-air superiority and joint warfighter readiness



Truman Harbor



Robust subsurface training schedule:

- Navy SEALs
- Explosive Ordnance Division
- Military Dive and Salvage
- Marine Forces Special Ops Command
- Naval Research
- Naval Undersea Warfare Center
- FBI





Mission Sustainment Priority Areas



North Boca Chica Key



- Submitted to the Military Base Protection Program
- Within the NAS Key West's accident potential zone 1 and high noise area



Mission Sustainment Priority Areas



South Stock Island



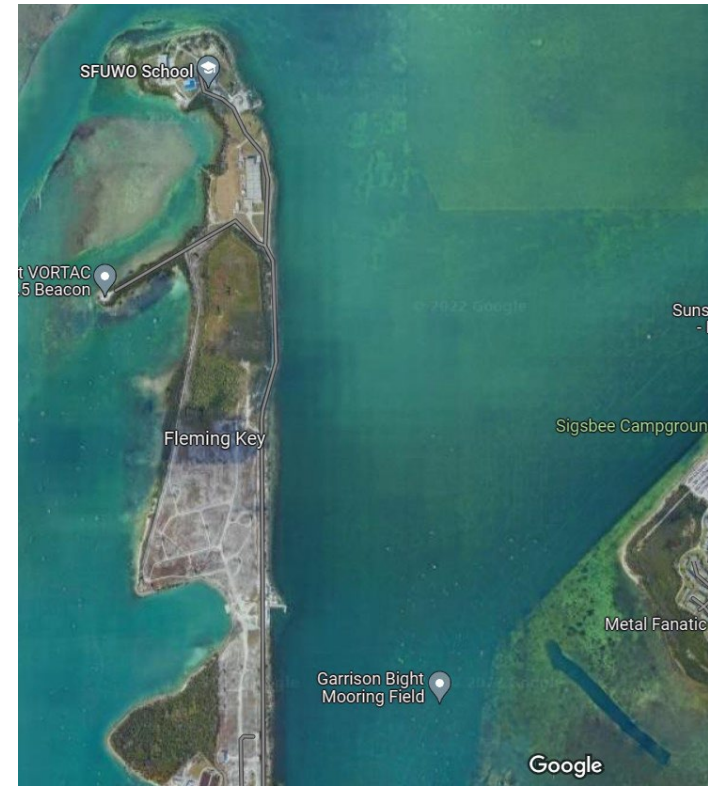
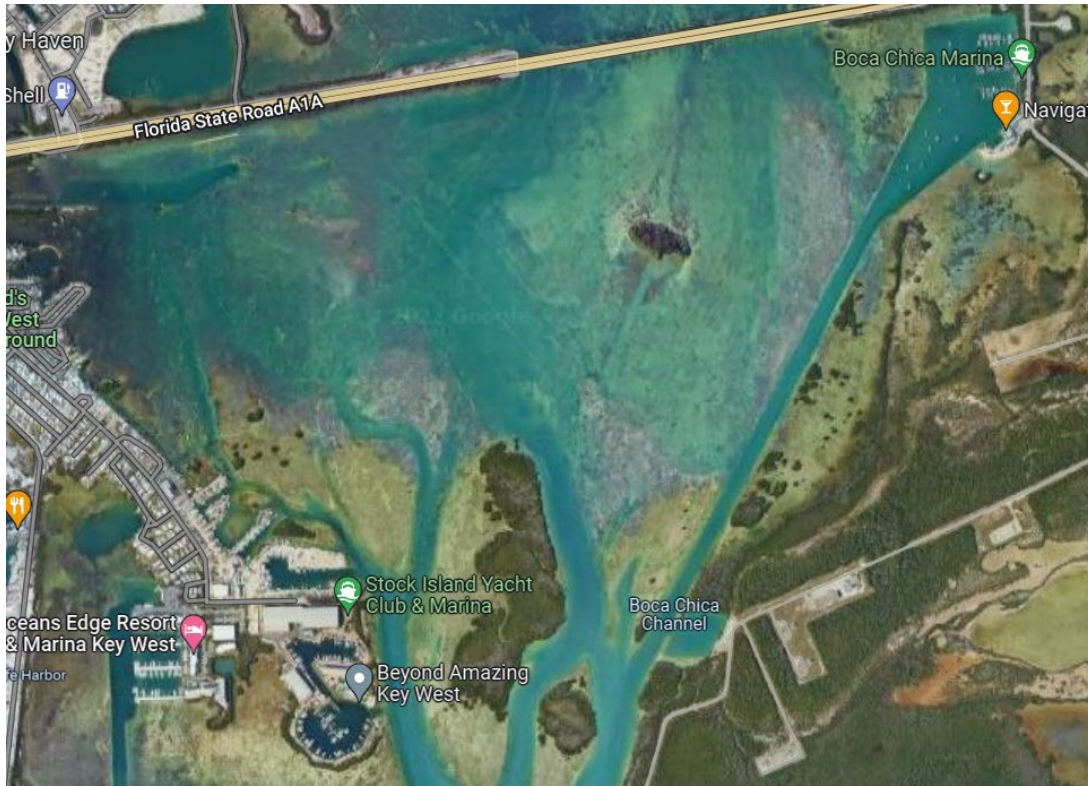
- Submitted to the Military Base Protection Program
- Redevelopment approval in AICUZ footprint is moving forward
- Located in a high-noise area



Mission Sustainment Priority Areas



Mooring Fields



- The State of Florida mandated additional mooring fields in the Florida Keys
- Important that NAS Key West plays a role in the placement of the mooring balls
- Considerations include: AICUZ, standoff distances, training areas



Mission Sustainment Priority Areas



Housing

- **Lack of affordable civilian housing on base and surrounding areas impacts mission readiness**
 - **Average wait times for PPV housing range from 3-18 months**
 - **Makes hiring actions challenging**
- **Workforce housing shortage in Monroe County is not only a military issue, but a community concern**
- **Looking for defense community infrastructure grant opportunities with our community partners**



Military Family Quality of Life



Housing

- Availability
 - Balfour Beatty (PPV) and newest Workforce Housing all at 100% with waitlists
- Affordability
 - Median Home Cost: \$752,400 or 274.1%*
- Suitability
 - Size and configuration

Healthcare

- Lack of physicians and specialists in the Keys
- Cost of Health services: 162.4%*
- Emergencies equate to Trauma Star helo transfer to Miami

*bestplaces.net: US average = 100%



Military Family Quality of Life



Goods and Services

- Availability
 - Perspective: Cuba is closer than the nearest Target or Walmart
 - Limited brick and mortar options
- Cost of food and groceries: 114.5%*

Youth Activities

- Limited options
- Little to no indoor recreation
- High cost and limited available child care

*bestplaces.net: US average = 100%

Department of the Air Force

Innovate, Accelerate, Thrive - The Air Force at 75

HOMESTEAD AIR RESERVE BASE MISSION SUSTAINMENT



**Larry Ventura
482 MSG/CEV**

September 15, 2022

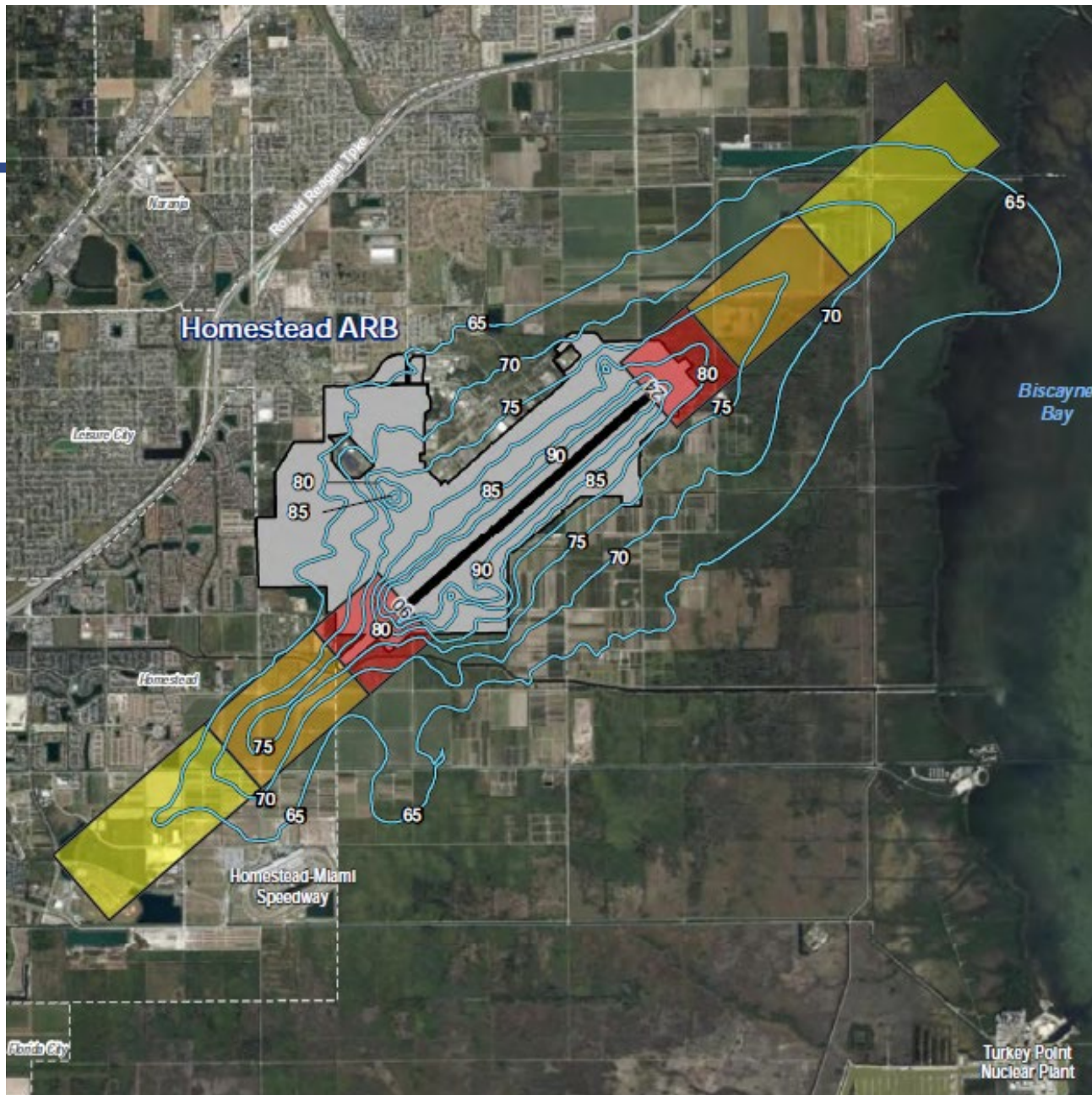


Ongoing Mission Sustainment Issues

- **Miami-Dade County's population grew 8.2% in the last decade from 2.5 million residents in 2010 to 2.7 million residents in 2020**
- **Housing is a big problem**
 - The median listing home price in Miami-Dade County has increased 25.6% year over year
 - Rent in Miami-Dade County rose 30% last year
 - Income over \$100k is needed to afford a median-priced home in Miami
- **Encroachment increasingly shifting south and east toward HARB**
- **Hurricanes, extreme heat, sea level change, annual average temperature change, and severe thunderstorms pose significant severe weather and climate hazard to HARB**



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Image USDA/FPAC/GEO



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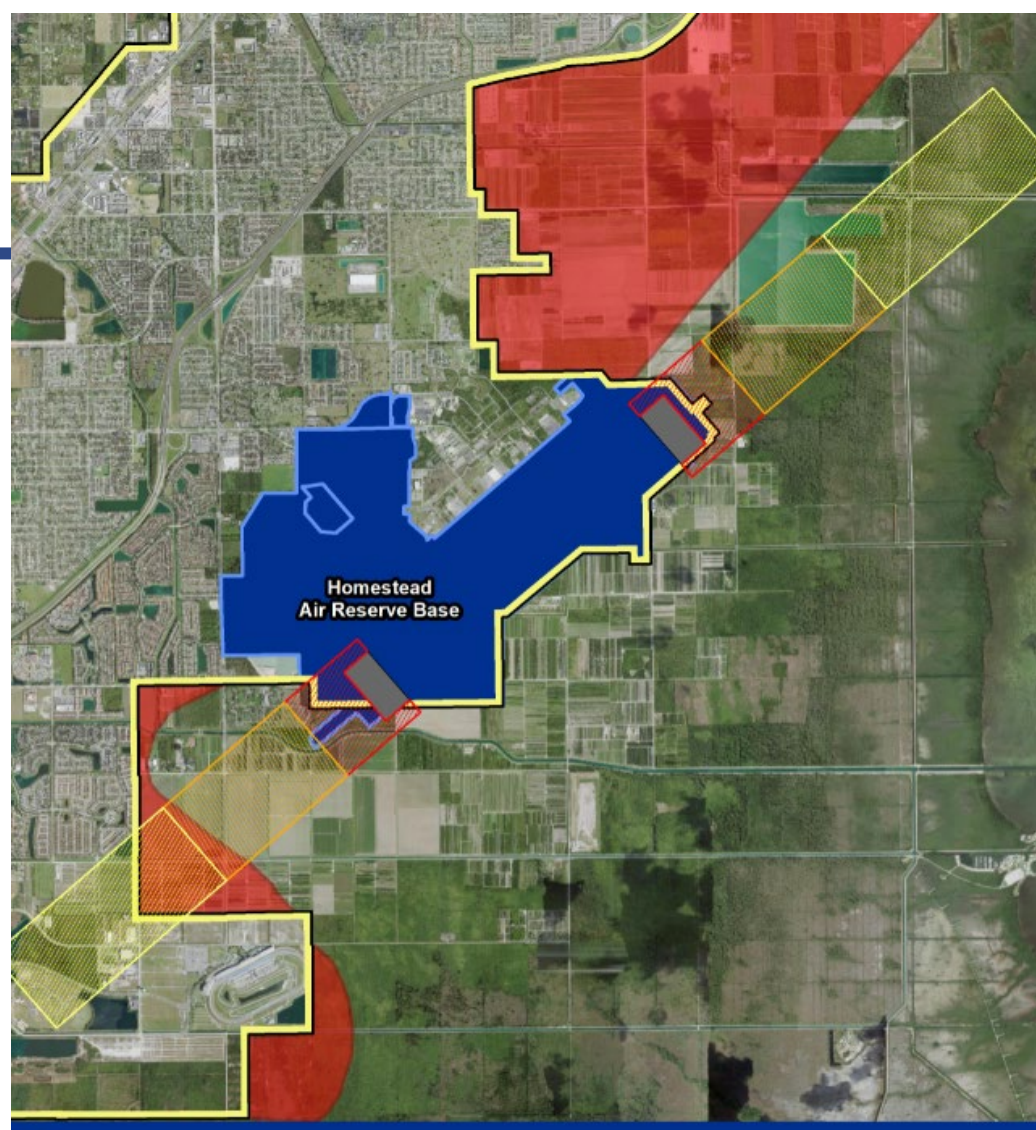


1984 - 2016



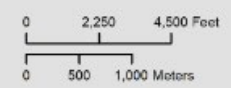


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- Installation Boundary
- Urban Expansion Area
- Urban Development Boundary
- Graded Area
- Clear Zone
- APZ I
- APZ II

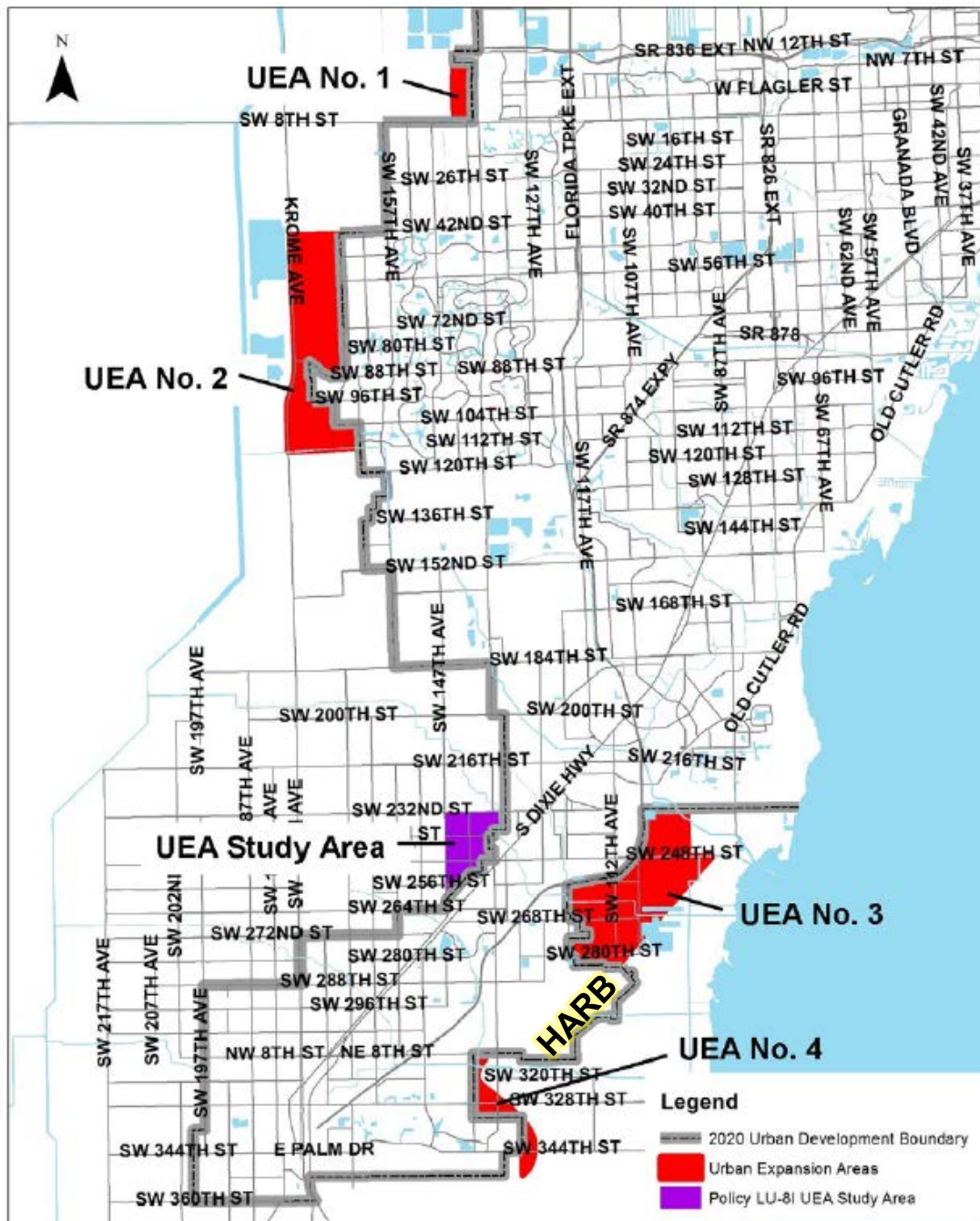
September 2021
 Source: Homestead ARB,
 CERP, Miami-Dade County,
 Esri Data and Maps 2014





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UDB and UEA's

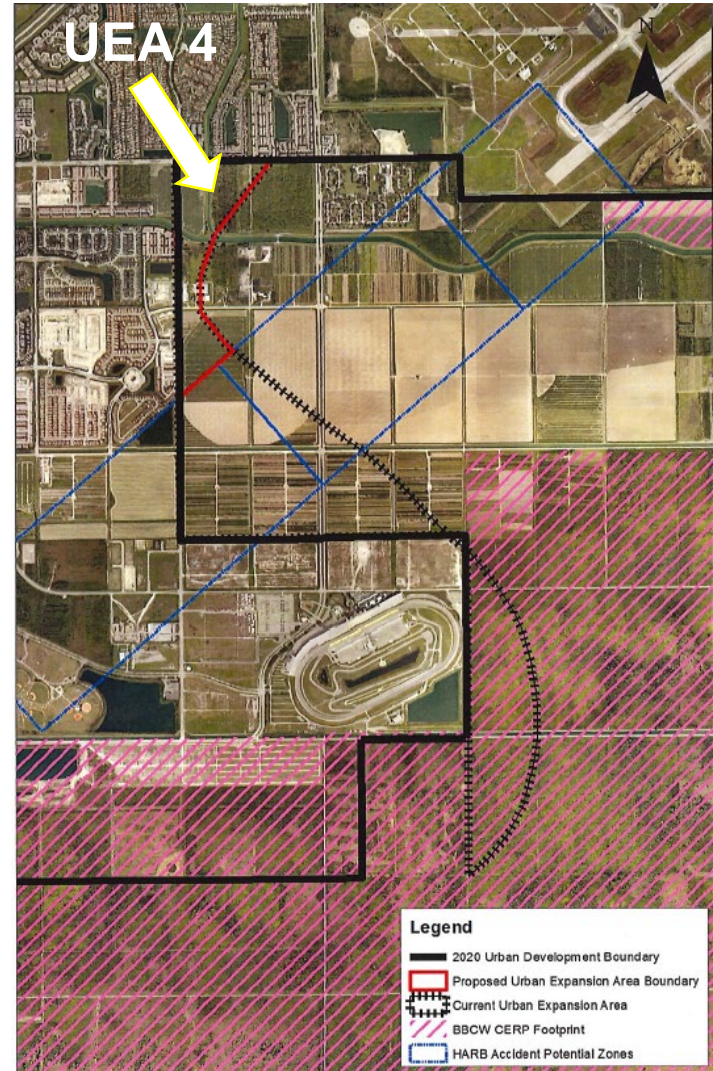
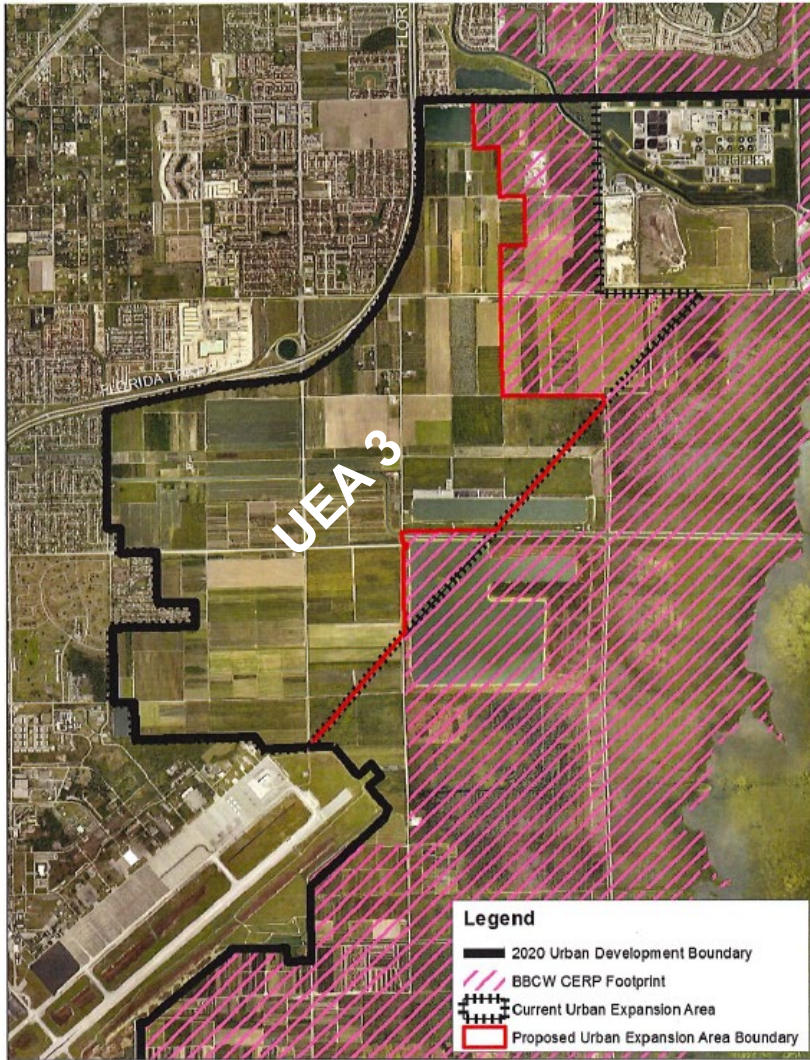


Legend

- 2020 Urban Development Boundary
- Urban Expansion Areas
- Policy LU-8I UEA Study Area



Proposed UEA 3 & 4 Contractions

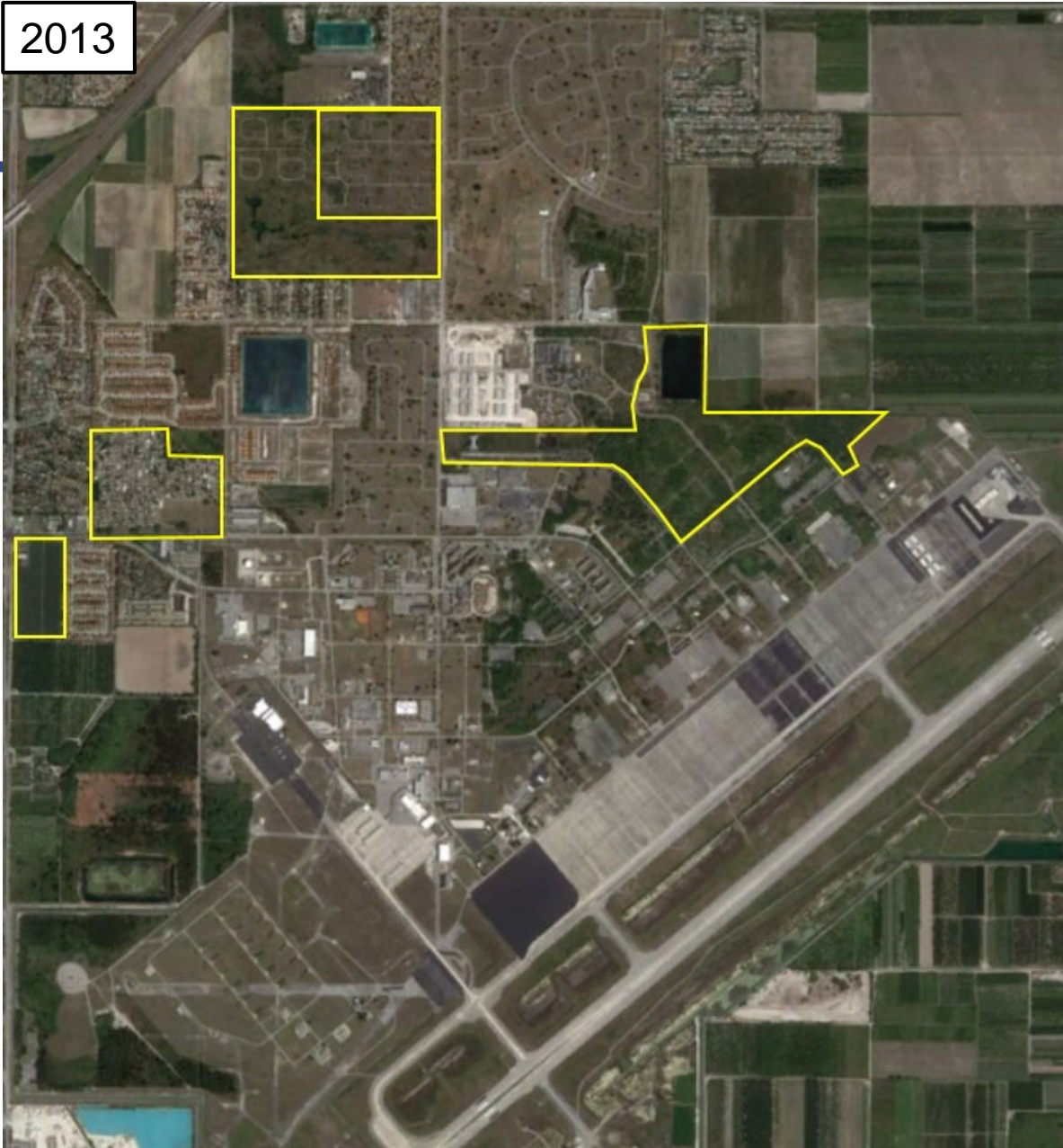


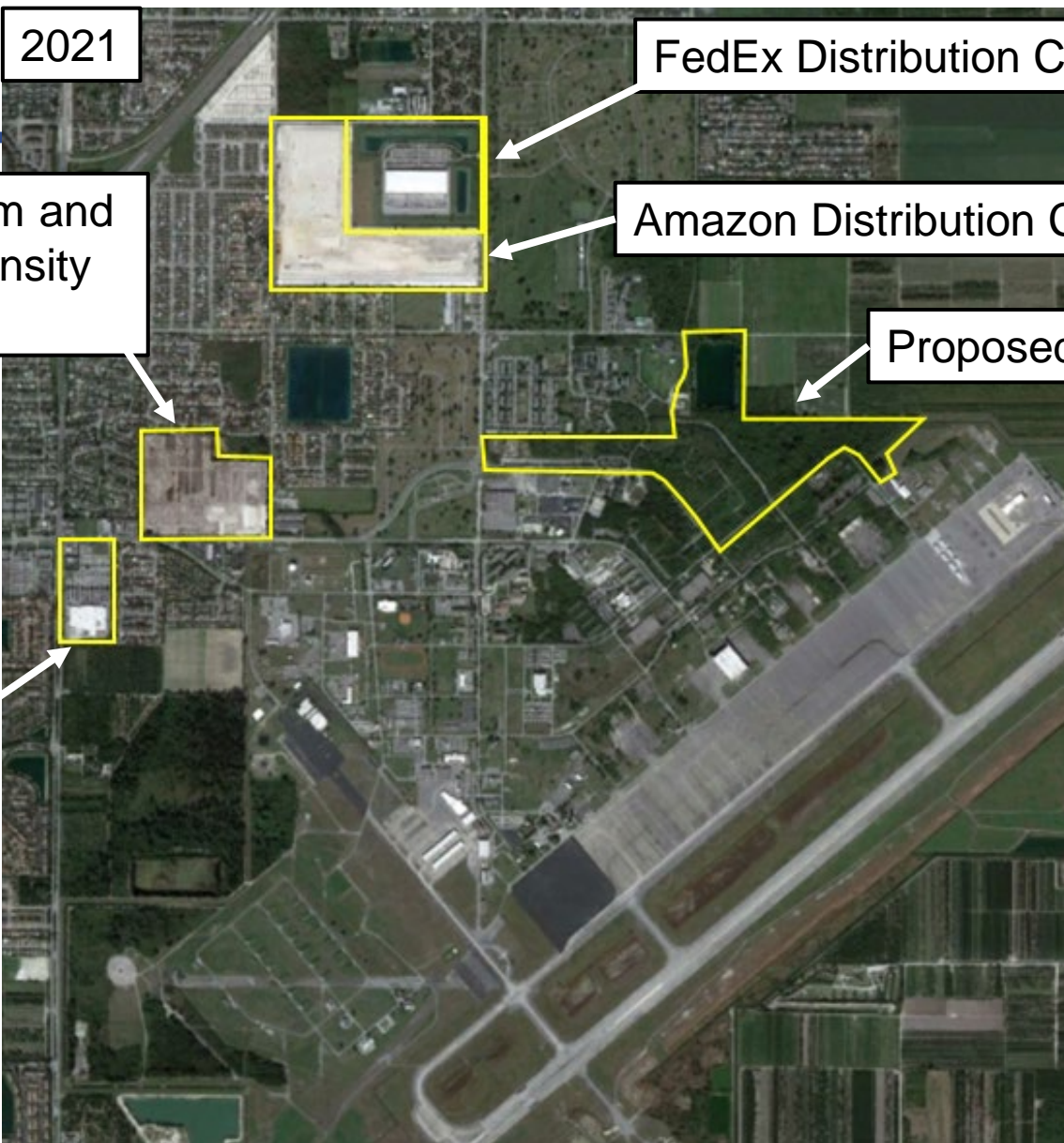


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2013





2021

FedEx Distribution Center

Amazon Distribution Center

Proposed Steel Micro Mill

Low-Medium and Medium Density Residential

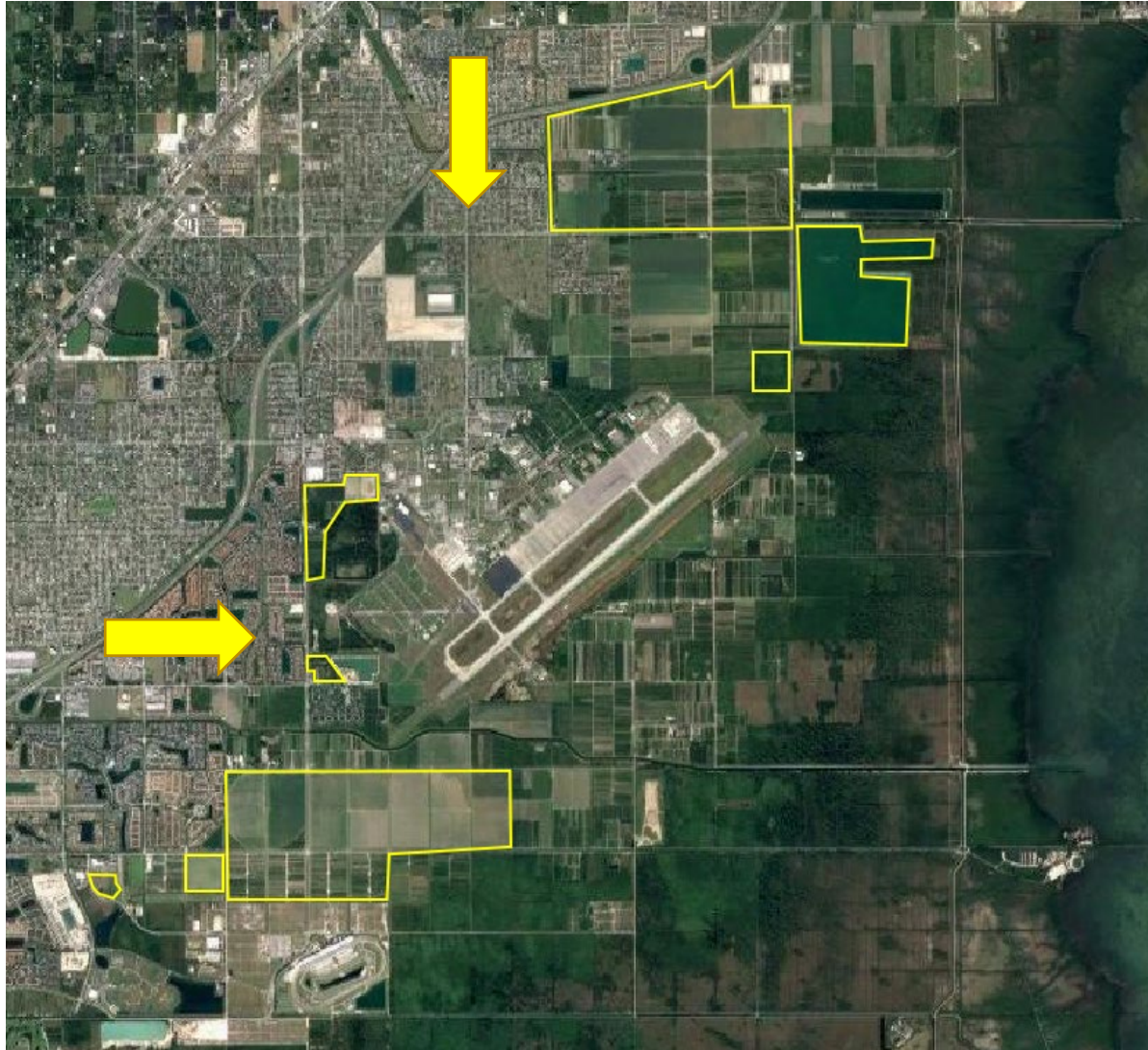
Wal-Mart



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Ongoing Mission Sustainment Items







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Hurricane Irma (2017)

Photo taken one day after hurricane







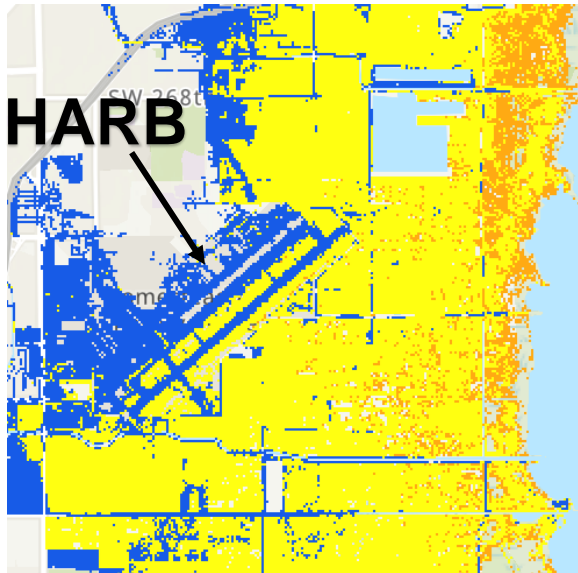


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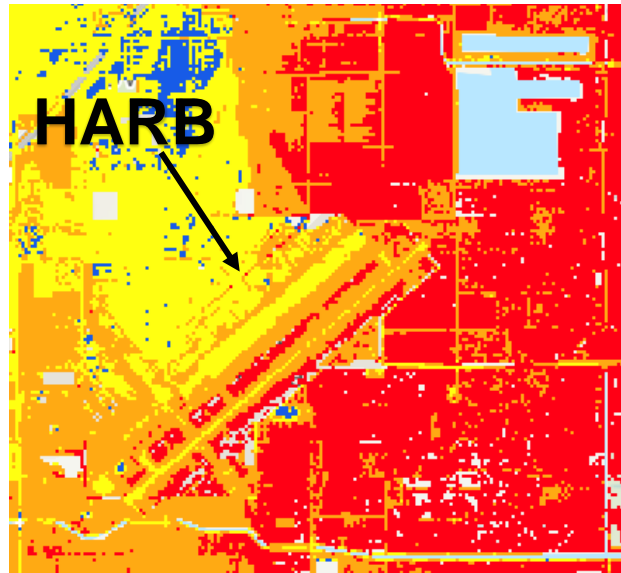
NOAA National Hurricane Center Storm Surge Risk Maps



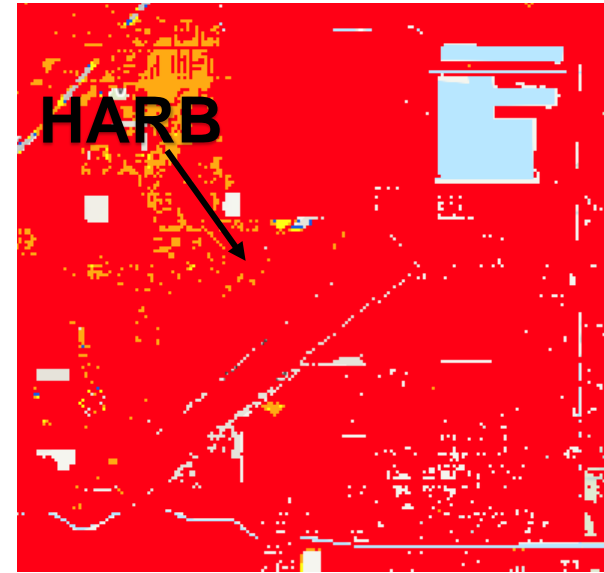
-  *Less than 3 feet above ground*
-  *Greater than 3 feet above ground*
-  *Greater than 6 feet above ground*
-  *Greater than 9 feet above ground*



Category One



Category Three



Category Five



2022





UNIVERSITY *of*
WEST FLORIDA

**Concept Development of the Florida
Advanced Training Range
(FATR / Phase 1A)**

Dr. Matthew Schwartz

Associate Vice President of Research Administration

THE TEAM

GRANT APPLICANT

University of West Florida

GRANT ADMINISTRATOR

Dr. Matthew Schwartz, UWF
Associate VP of Research Administration

PROGRAM MANAGER/LEAD CONSULTANT

Rob Polumbo, Maj Gen (ret) USAF
Mumbles Group, LLC

CONSULTANTS

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The Polumbo Group, LLC

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Pharosmissioncritical, LLC

SUBJECT MATTER EXPERTS

James Philpitt, CAPT (ret) USN
USSOCOM J59

Thomas Weaver, CDR (ret) USN
Tactical Consulting, LLC

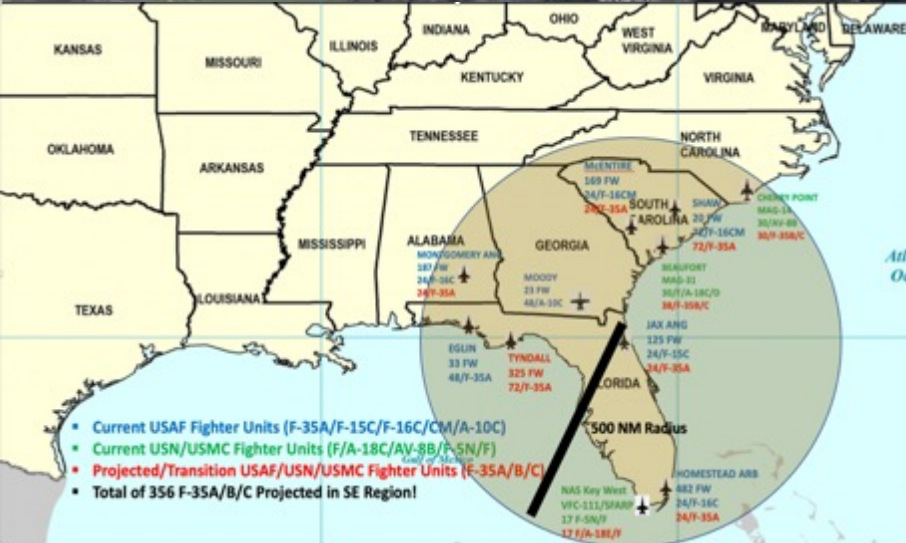
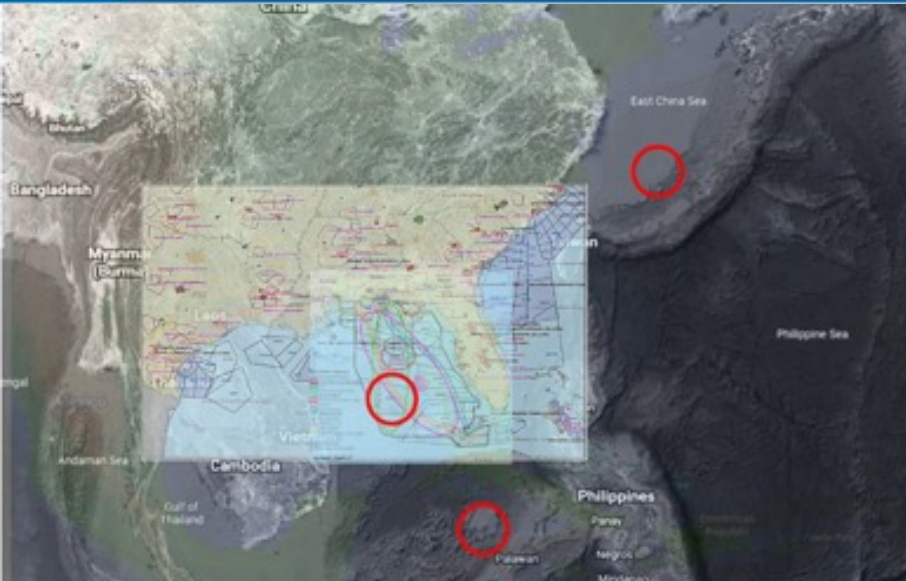
David Lowe, LCDR (ret) USNR
TBD LLC

INDUSTRY

Leonard Coleman, Col (ret) USAF
VP, Scientific Research Corporation

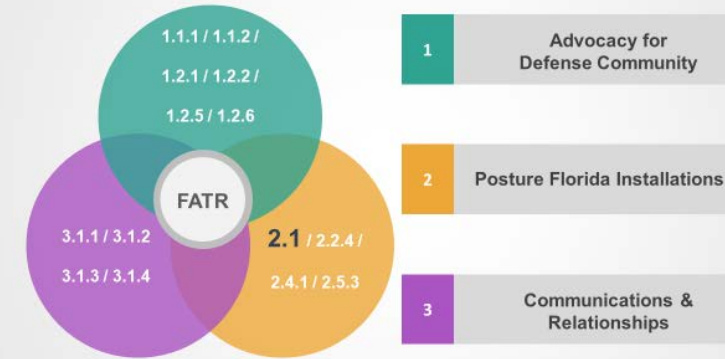
Jeremy Jetton
CTO, Scientific Research Corporation

BLUF – WHY FATR...?



- Aligned to Strategic Need
 - Replicate pacing threat
- Only place in CONUS
 - Premier training for joint, all-domain missions
 - Reduce TDY/TAD for our military units
- Builds on Previous FDSTF Support
 - Landscape Initiative
 - Carrabelle (FY17-18)
 - UWF/FDA/TRG - logical, next step
- Aligned to 14 FDSTF Strategic Plan Objectives
 - (Primary Goal 2.1)
- Increase FL revenue and economic development

14 of 22 FDSTF Objectives Supported by FATR Project



**Network & Enhance
Military Value of FL Ranges**

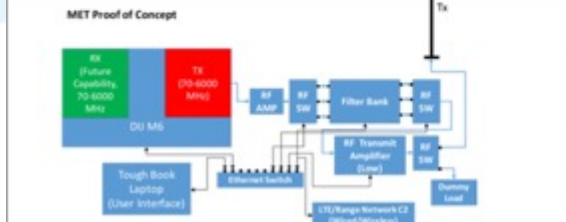
**Military Readiness that
MEETS OUR NATIONAL
DEFENSE STRATEGY!**

WHAT NEEDS TO BE DONE?

System	Frequency	Antenna
MET-Low Prototype Nov 2022	70MHz-6GHz; 56MHz BW	Omni
MET-Medium	70MHz-6GHz; 56/120 MHz BW	Directional with manual AZ/EL
MET-HIGH	70MHz-18GHz; 200MHz BW	Directional with electronic AZ/EL
AESA Extensible Emmitter Emulator (AXEE)	70MHz-18GHz; 200MHz BW	AESA (banded arrays)

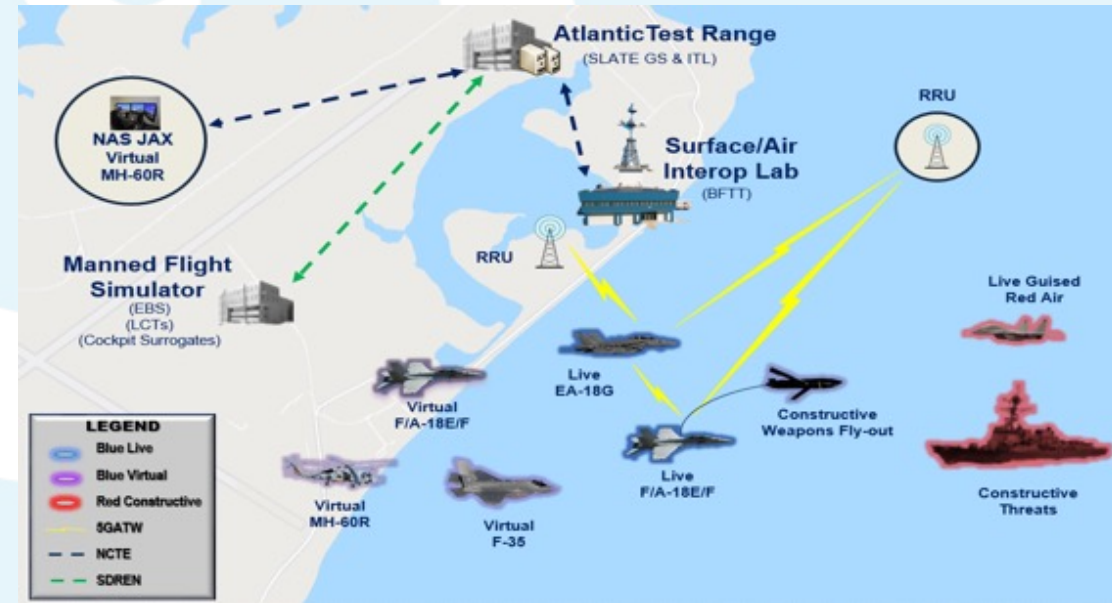


Capabilities Matrix	MET-Low 70 MHz - 6 GHz	MET-Medium 70 MHz - 6 GHz	MET-High 70 MHz - 18 GHz
Frequency Range	70 MHz - 6 GHz	70 MHz - 6 GHz	70 MHz - 18 GHz
Waveform Types	CW, AM, FM, FSK, BPSK, QPSK, OOK, Narrow and Broadband Noise	CW, AM, FM, FSK, BPSK, QPSK, OOK, Narrow and Broadband Noise	CW, AM, FM, FSK, BPSK, QPSK, OOK, Narrow and Broadband Noise
Radar	Acq Radar, BPSK Pulsed	Acq Radar, BPSK Pulsed, FM/Swept FM, Chirp	Acq Radar, BPSK Pulsed, FM/Swept FM, Chirp
Communications	AM, FM, FSK, BPSK, QPSK	AM, FM, FSK, BPSK, QPSK	AM, FM, FSK, BPSK, QPSK
Transmit Bandwidth	Up to 56 MHz	56/120 MHz	200+ MHz
RF Transmitter Power	~20 Watts	~200 Watts	~1000 Watts
Antenna Type	Omni/Fixed	Directional (Man/DAK), Manually Adjusted to Az/El	Directional (Man/DAK), Electronically Controlled to Az/El
Receiver Capabilities	Electronic Warfare Functions - Basic Spectrum Monitoring (Amp/Freq and Waterfall)	Electronic Warfare Functions - Basic Spectrum Monitoring (Amp/Freq and Waterfall), Lookthrough and Auto/Preset Jam	Electronic Warfare Functions - Basic Spectrum Monitoring (Amp/Freq and Waterfall), Lookthrough and Auto/Preset Jam
Receiver Bandwidth	Up to 56 MHz	56/120 MHz	200+ MHz
Size	Single Transit Case (TRC), 1/2 Met	Two Transit Cases (TRC), 1 Met	Two/Three Transit Cases (TRC), 1 Met
Power	-20° to +10° C	-20° to +10° C	-20° to +10° C
Portability	2 Man LRU/Transportable/Modular	2 Man LRU/Transportable	Transportable



Advanced Live, Virtual, Constructive (ALVC)

- Proven secure, encrypted architecture
- Capable of injecting synthetic entities into live environment (**Synthetic Inject To Live/SITL**)
 - Virtual-simulator with “man-in-the-loop”
 - Constructive-computer generated entities
- Tailorable to replicate any mission set and training scenario



Programmable, affordable threat systems (PATS)

- Family of systems covering electromagnetic spectrum (70MHz-18GHz)
- Power to “reach” overwater training areas from current ranges
- Tailorable to transmit threat array for joint, all-domain training
- Capable of networking with Virtual and Constructive entities

PHASE 1

Phase 1A/OBJECTIVES

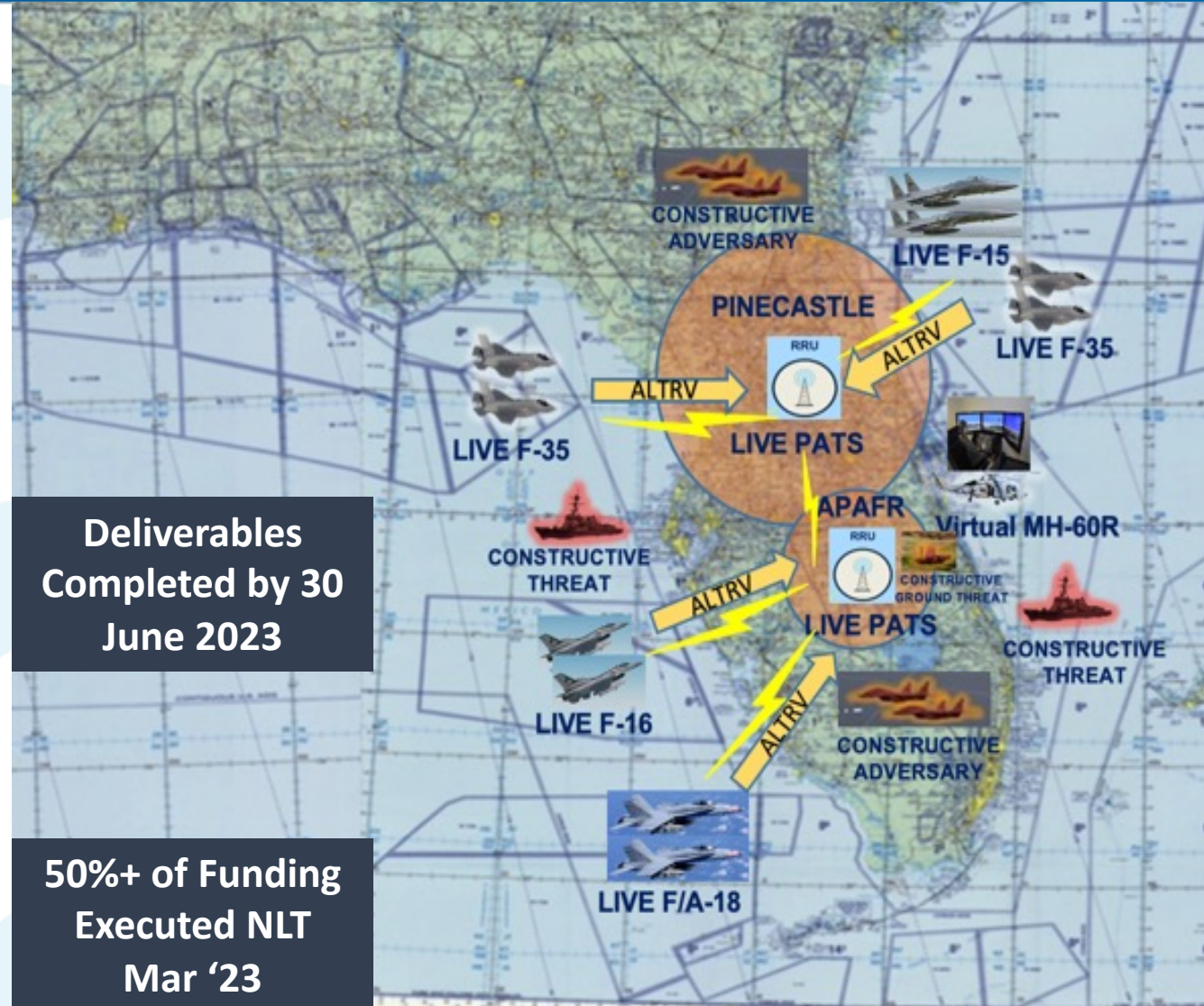
- Define logistics, equipment & training req'mts
- Develop organizational structure for FATR management & operation
- Develop PATS & ALVC prototype systems to Technology Readiness Level 6 (TRL 6)
- Coordinate airspace framework & processes with Federal Aviation Administration (FAA), Air Traffic Control (ATC) & military airspace mgmt
- Coordinate frequency spectrum deconfliction & mgmt with federal & state agencies
- Coordinate utilization of Air Force, Army, Navy and Marine Corps resources on Pinecastle Range (PRC) and Avon Park Air Force Range (APAFR)

DELIVERABLES

- Operational manual (draft) outlining the requirements, organizational structure and processes for the FATR
- PATS and ALVC prototype system demonstrated in laboratory environment
- Coordinated and approved ATC corridor procedures to link regional military airspace to utilize the FATR
- Coordinated and approved frequency spectrum management procedures

FUNDING

- PATS and ALVC prototype technology development: \$150,000
- Subject Matter Expert & Consulting: \$135,000
- Travel: \$25,000
- Total request: \$310,000



Phase 1B/OBJECTIVES

- Field PATS & ALVC architecture & install on PRC (Pri) APAFR (Alt); confirm system meets training requirement specifications (TRL 7)
- Define, develop, analyze interface control specifications & show proof of concept for PATS/ALVC communications network
- Develop control center to network PATS/ALVC system & create a process for military to request & schedule training scenarios
- Exercise ATC & spectrum management procedures to ensure processes are functional
- Develop & coordinate Phase 2 objectives, test plan & funding estimates with DoD

DELIVERABLES

- FATR organizational structure & control center networked with military installations
- Functional PATS/ALVC prototype system located on PRC or APAFR
- Coordinated process to schedule military resources to participate in Phase 2 testing
- Phase 2 objectives, test plan & funding estimate
- Update operational manual outlining requirements, organizational structure & processes for the FATR

FUNDING

- Procurement & installation of PATS and ALVC prototype system on PRC/APAFR: \$250,000
- Subject Matter Expert & Consulting: \$175,000
- Travel costs: \$35,000
- Total funding request: \$460,000

PHASE 2/3

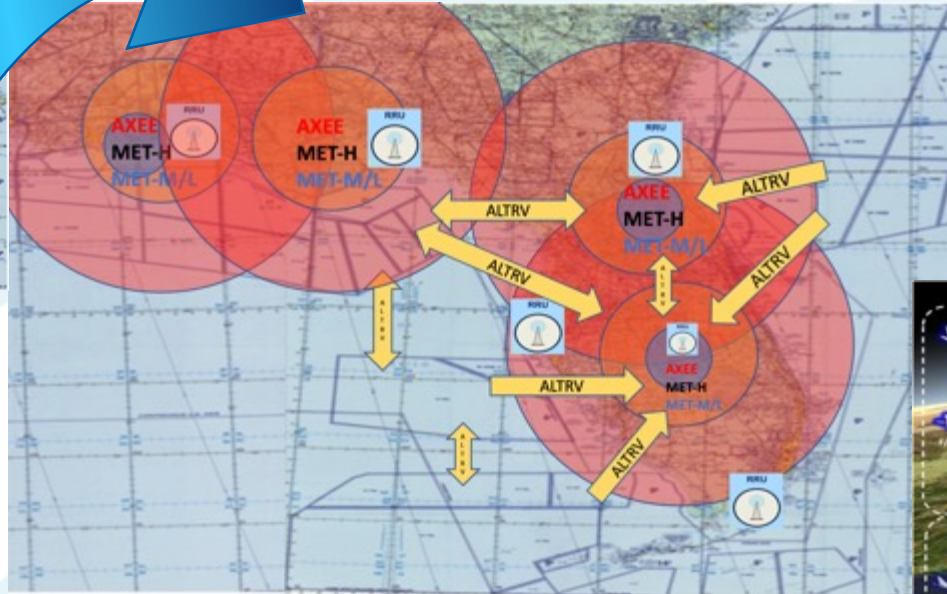


Phase 2 Beta Test

- 12-month proof of concept test
- Primarily aviation weapon systems
- Funded by DoD Sources
 - OSD-Force education and training
 - NGREA
 - Threat Systems Management Office (TSMO)
 - CCMD/USAF/USN/USA/USMC/USSF/USCG
 - Congressional insert (Mach 1 Caucus)

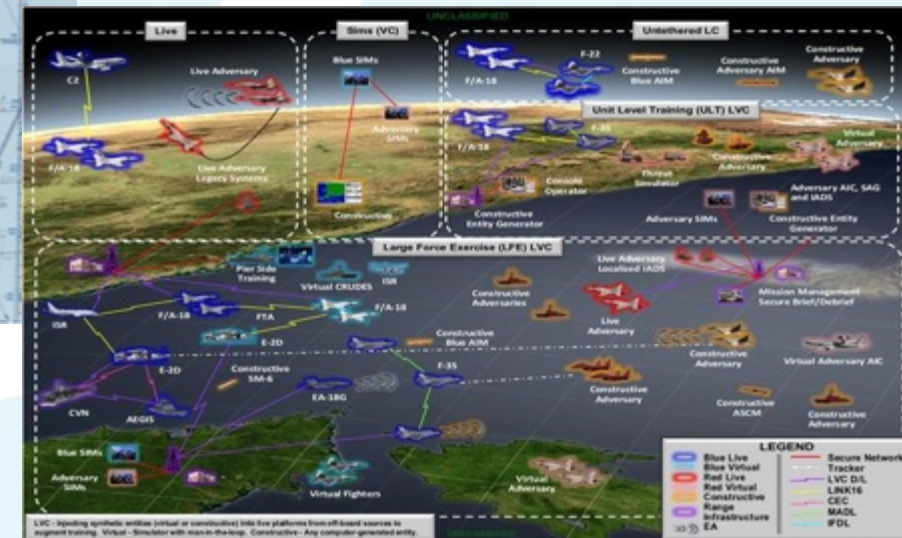
Phase 3 Build Out

- Install PATS/ALVC on Eglin and Tyndall ranges / mobile options
- Create joint training scenarios
- Funded by DoD Sources



FATR

- 150,000 sq mile training range
- Joint, all-domain LVC environment
- Tailorable scenarios for all missions



Questions or Comments



BACKUP SLIDES





EW Readiness 2022 (Version 1)



AF EW Roadmap



F-35 TRAINING REQUIREMENTS

OCA-SEAD: Activity that neutralizes, destroys, or temporarily degrades surface-based enemy air defenses (AD) by destructive and/or disruptive means. (JP 3-01). Support A/A and A/G force packages by detecting, geo-locating, suppressing and degrading long- and medium- range SAMs or provide adequate SA to the force package to effectively negate or avoid the threats. Also, support A/A and A/G force packages by detecting, geo-locating, suppressing, and destroying short-range SAMs or provide adequate SA to the force package to effectively negate or avoid the threats.

- USAF (annual CMR requirements)
 - OCA-SEAD*: Inexperience-34 sorties (50% night)/Experience-28 sorties (50% night)
*CC determines # flown with Joint Force
 - Electronic Warfare events: Inexperience-12/Experience-12
 - Contested Degraded Ops events: Inexperience-12/Experience 12
- USN/USMC
 - Similar annual training requirements
- Avon Park and Pinecastle ranges have limited EW assets (Cold War era threat systems) to train against and there are no significant future EW upgrades planned or funded for these ranges. Florida F-35 units (including SE region) will have to travel at least twice a year to ranges that have the required EW assets for aviators to remain fully, combat mission ready

CURRENT EW ASSETS

Pinecastle Range (PRC)	Avon Park Air Force Range (APAFR)
SA-3/6/11 threat replicators (only available for carrier strike group training exercises)	Three (3) UPQ-8 single ground threat emitter simulating frequencies of Cold War era enemy missiles, anti-aircraft artillery and ground radar sites
Man-Portable Aircraft Survivability Trainer (MAST), MANPADS Integrated Threat Simulator/Stimulator (MITSS) and SA-18 (all systems are unavailable and located at MCAS Cherry Point, NC)	The systems are never used for aircrew training because the units don't want to train against outdated and ineffective threat systems
All listed threat replicators are Cold War era threat systems and not available on a daily basis	

FDSTF FOCUS/MISSION/GOALS

Florida's Strategic Focus

Governor's Vision: Florida remains the most military and veteran friendly state in the country.

Governor's Goals (GG):

- 1) Be the best on quality of services for our Service Members and Veterans,
- 2) Protect, preserve and promote our active duty, reserve and national guard military installations and missions for Florida's role in US national security,
- 3) Increase the defense industry including creating a ready workforce to fill jobs and build equipment for our installations and missions.

Governor's Priority Activities (GPA):

- 1) Secure Space Command and Space Force Assets Assignment to Florida,
- 2) Extend legislative prohibition on O&G exploration or extraction in EGOMEX and enhance the Gulf Range,

FDSTF Mission

As established in F.S. 288.987(2), the mission of the Florida Defense Support Task Force is..."to make recommendations to preserve and protect military installations, to support the state's position in research and development related to or arising out of military missions and contracting, and to improve the state's military-friendly environment for service members, military dependents, military retirees, and businesses that bring military and base-related jobs to the state."

FDSTF Goals / Objectives / Activities

1. Obtain results which are mutually beneficial to Florida and the defense community through successful advocacy efforts.

- 1.1 Promote Florida as best and most cost-effective solution for DoD.
 - 1.1.1 Actively advocate with senior national level government officials for new missions and new technology.
 - 1.1.2 Inform DoD leaders of Florida installations' capacity to absorb future growth.
- 1.2 Advocate for favorable resolution of military and defense issues.
 - 1.2.1 Provide and maintain a plan for active and effective engagement and outreach for military and homeland defense missions and facilities located in Florida including the US Coast Guard.
 - 1.2.2 Identify, prioritize and address current and potential base and range encroachment, compatible development, resiliency and mission sustainment issues including, airspace, environmental, energy, frequency spectrum, land and water use compatibility using Military Base Protection Program (MBPP) land acquisition, Rural and Family Lands Protection Program, Florida Forever DoD Readiness and Environmental Protection Integration (REPI) and Sentinel Landscape, along with other state and federal mitigation resources.
 - 1.2.5 Work to ensure FL avoids all negative mission impacts from oceanic and terrestrial oil/gas/renewable energy development.
 - 1.2.6 Continue to advocate for full funding of the DoD's Gulf Range Enhancement program.

2. Proactively posture Florida to help DoD to find efficiencies and synergies.

- 2.1 Sensitize decision makers to the value of employing all Florida Ranges, including the National Center for Simulation, as one integrated complex to achieve optimal value for DoD by fully integrating both live and simulated test and training activities.
 - 2.2.4 Assist the Governor's office and state agencies in supporting Florida's military installations, organizations and activities as identified through the base commanders meetings.
- 2.4 Enhance Florida Congressional Delegation (CODEL) efforts to coordinate defense and security initiatives.
 - 2.4.1 Monitor actions and potential actions within the DOD and in Congress that could affect Florida's military presence and take appropriate action to encourage maintenance and growth of the military presence in Florida.
- 2.5 Synchronize common goals between local military Research & Development (R&D) efforts and adjacent academic institutions.
 - 2.5.3 Promote, protect, and grow the Manufacturing, Science & Technology (MS&T) partnerships with military, industry, and academia throughout Florida emphasizing innovation, high tech nature of the work, and high salary jobs.
- 2.6 Increase existing missions and add compatible missions that fit with the capacity and infrastructure of the installation.

3. Foster and strengthen mutually beneficial communication and relationships between state, installation and community

- 3.1 Inform Decision Makers & Public.
 - 3.1.1 Coordinate a unified consistent message of TF members, executive and legislative branches of Florida government, congressional members and defense communities.
 - 3.1.2 Share relevant information to communities both directly and through the Florida Defense Alliance.
 - 3.1.3 Share relevant information with defense associated groups that impact Florida
 - 3.1.4 Identify, document and publicize the military value of Florida installations in the Florida Defense Factbook using core DoD criteria and the results of previous data calls.

ELECTROMAGNETIC SPECTRUM

Class			Wave-length λ	Freq- uency f	Energy per photon E	
Ionizing radiation	γ	Gamma rays	1 pm	300 EHz	1.24 MeV	
	HX	Hard X-rays	10 pm	30 EHz	124 keV	
	SX	Soft X-rays	100 pm	3 EHz	12.4 keV	
			1 nm	300 PHz	1.24 keV	
	EUV	Extreme ultraviolet	10 nm	30 PHz	124 eV	
100 nm			3 PHz	12.4 eV		
NUV	Near ultraviolet, visible	1 μ m	300 THz	1.24 eV		
		NIR	Near infrared	10 μ m	30 THz	124 meV
MIR	Mid infrared			100 μ m	3 THz	12.4 meV
FIR	Far infrared			1 mm	300 GHz	1.24 meV
Micro- waves	Extremely high frequency	EHF	1 cm	30 GHz	124 μ eV	
		SHF	1 dm	3 GHz	12.4 μ eV	
		UHF	1 m	300 MHz	1.24 μ eV	
		VHF	Very high frequency	10 m	30 MHz	124 neV
radio waves	High frequency	HF	100 m	3 MHz	12.4 neV	
		MF	1 km	300 kHz	1.24 neV	
		LF	Low frequency	10 km	30 kHz	124 peV
		VLF	Very low frequency	100 km	3 kHz	12.4 peV
		ULF	Ultra low frequency	1 Mm	300 Hz	1.24 peV
		SLF	Super low frequency	10 Mm	30 Hz	124 feV
		ELF	Extremely low frequency	100 Mm	3 Hz	12.4 feV

Sources: File:Light spectrum.svg^{[1][2][3]}

RF POWER (MET L/M)

		Frequency, MHz																
		70	100	200	400	600	800	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000
Range, KM	0.5	-18.32	-21.42	-27.44	-33.46	-36.98	-39.48	-41.42	-44.94	-47.44	-49.38	-50.96	-52.30	-53.46	-54.48	-55.40	-56.23	-56.98
	1	-24.34	-27.44	-33.46	-39.48	-43.00	-45.50	-47.44	-50.96	-53.46	-55.40	-56.98	-58.32	-59.48	-60.50	-61.42	-62.25	-63.00
	2	-30.36	-33.46	-39.48	-45.50	-49.02	-51.52	-53.46	-56.98	-59.48	-61.42	-63.00	-64.34	-65.50	-66.52	-67.44	-68.27	-69.02
	3	-33.88	-36.98	-43.00	-49.02	-52.55	-55.04	-56.98	-60.50	-63.00	-64.94	-66.52	-67.86	-69.02	-70.05	-70.96	-71.79	-72.55
	4	-36.38	-39.48	-45.50	-51.52	-55.04	-57.54	-59.48	-63.00	-65.50	-67.44	-69.02	-70.36	-71.52	-72.55	-73.46	-74.29	-75.04
	5	-38.32	-41.42	-47.44	-53.46	-56.98	-59.48	-61.42	-64.94	-67.44	-69.38	-70.96	-72.30	-73.46	-74.48	-75.40	-76.23	-76.98
	6	-39.90	-43.00	-49.02	-55.04	-58.57	-61.06	-63.00	-66.52	-69.02	-70.96	-72.55	-73.88	-75.04	-76.07	-76.98	-77.81	-78.57
	7	-41.24	-44.34	-50.36	-56.38	-59.90	-62.40	-64.34	-67.86	-70.36	-72.30	-73.88	-75.22	-76.38	-77.41	-78.32	-79.15	-79.90
	8	-42.40	-45.50	-51.52	-57.54	-61.06	-63.56	-65.50	-69.02	-71.52	-73.46	-75.04	-76.38	-77.54	-78.57	-79.48	-80.31	-81.06
	9	-43.43	-46.52	-52.55	-58.57	-62.09	-64.59	-66.52	-70.05	-72.55	-74.48	-76.07	-77.41	-78.57	-79.59	-80.50	-81.33	-82.09
	10	-44.34	-47.44	-53.46	-59.48	-63.00	-65.50	-67.44	-70.96	-73.46	-75.40	-76.98	-78.32	-79.48	-80.50	-81.42	-82.25	-83.00
	15	-47.86	-50.96	-56.98	-63.00	-66.52	-69.02	-70.96	-74.48	-76.98	-78.92	-80.50	-81.84	-83.00	-84.03	-84.94	-85.77	-86.52
	20	-50.36	-53.46	-59.48	-65.50	-69.02	-71.52	-73.46	-76.98	-79.48	-81.42	-83.00	-84.34	-85.50	-86.52	-87.44	-88.27	-89.02
	25	-52.30	-55.40	-61.42	-67.44	-70.96	-73.46	-75.40	-78.92	-81.42	-83.36	-84.94	-86.28	-87.44	-88.46	-89.38	-90.21	-90.96
	30	-53.88	-56.98	-63.00	-69.02	-72.55	-75.04	-76.98	-80.50	-83.00	-84.94	-86.52	-87.86	-89.02	-90.05	-90.96	-91.79	-92.55
			60.0103 ERP, dBm Sensitivity -60 dBm															

		Frequency, MHz																
		70	100	200	400	600	800	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000
Range, KM	0.5	-3.32	-6.42	-12.44	-18.46	-21.98	-24.48	-26.42	-29.94	-32.44	-34.38	-35.96	-37.30	-38.46	-39.48	-40.40	-41.23	-41.98
	1	-9.34	-12.44	-18.46	-24.48	-28.00	-30.50	-32.44	-35.96	-38.46	-40.40	-41.98	-43.32	-44.48	-45.50	-46.42	-47.25	-48.00
	2	-15.36	-18.46	-24.48	-30.50	-34.02	-36.52	-38.46	-41.98	-44.48	-46.42	-48.00	-49.34	-50.50	-51.52	-52.44	-53.27	-54.02
	3	-18.88	-21.98	-28.00	-34.02	-37.55	-40.04	-41.98	-45.50	-48.00	-49.94	-51.52	-52.86	-54.02	-55.05	-55.96	-56.79	-57.55
	4	-21.38	-24.48	-30.50	-36.52	-40.04	-42.54	-44.48	-48.00	-50.50	-52.44	-54.02	-55.36	-56.52	-57.55	-58.46	-59.29	-60.04
	5	-23.32	-26.42	-32.44	-38.46	-41.98	-44.48	-46.42	-49.94	-52.44	-54.38	-55.96	-57.30	-58.46	-59.48	-60.40	-61.23	-61.98
	6	-24.90	-28.00	-34.02	-40.04	-43.57	-46.06	-48.00	-51.52	-54.02	-55.96	-57.55	-58.88	-60.04	-61.07	-61.98	-62.81	-63.57
	7	-26.24	-29.34	-35.36	-41.38	-44.90	-47.40	-49.34	-52.86	-55.36	-57.30	-58.88	-60.22	-61.38	-62.41	-63.32	-64.15	-64.90
	8	-27.40	-30.50	-36.52	-42.54	-46.06	-48.56	-50.50	-54.02	-56.52	-58.46	-60.04	-61.38	-62.54	-63.57	-64.48	-65.31	-66.06
	9	-28.43	-31.52	-37.55	-43.57	-47.09	-49.59	-51.52	-55.05	-57.55	-59.48	-61.07	-62.41	-63.57	-64.59	-65.50	-66.33	-67.09
	10	-29.34	-32.44	-38.46	-44.48	-48.00	-50.50	-52.44	-55.96	-58.46	-60.40	-61.98	-63.32	-64.48	-65.50	-66.42	-67.25	-68.00
	15	-32.86	-35.96	-41.98	-48.00	-51.52	-54.02	-55.96	-59.48	-61.98	-63.92	-65.50	-66.84	-68.00	-69.03	-69.94	-70.77	-71.52
	20	-35.36	-38.46	-44.48	-50.50	-54.02	-56.52	-58.46	-61.98	-64.48	-66.42	-68.00	-69.34	-70.50	-71.52	-72.44	-73.27	-74.02
	25	-37.30	-40.40	-46.42	-52.44	-55.96	-58.46	-60.40	-63.92	-66.42	-68.36	-69.94	-71.28	-72.44	-73.46	-74.38	-75.21	-75.96
	30	-38.88	-41.98	-48.00	-54.02	-57.55	-60.04	-61.98	-65.50	-68.00	-69.94	-71.52	-72.86	-74.02	-75.05	-75.96	-76.79	-77.55

- Met-L and MED-M, Assuming Free Space Path Loss, Sensitivity and ERP
- Ideal Case, Best to Look at Trends versus Frequency
- No Terrain, Foliage, Antenna Patterns, etc

Dr. Matt Schwartz



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Phone: 850-474-3455 (o)
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Education: BS, Geology, College of William and Mary, 1993
PhD, Marine Sciences (Oceanography), University of Delaware, 2002
Civilian career: Associate VP of Research Administration, University of West Florida (2018-present)
Professor/Associate/Assistant Professor, University of West Florida (2005-present)
Postdoctoral Researcher, University of Edinburgh (2002-2005)
Geologist, Brown and Root Environmental (1993-1996)

Dr. Matthew Schwartz has served as a university administrator at the departmental, college, and university level. As the Associate Vice President for research administration, Dr. Schwartz is responsible for coordinating the pursuit and administration of sponsored research activities amongst 300+ faculty within five colleges at the University of West Florida (UWF). In its most recent reporting year (FY21), UWF reported total annual research expenditures exceeding \$36.8M, submitted 78 proposals seeking more than \$25M in external funding, and secured nearly \$6.9M in awards, with another \$7.6M still under review.

Dr. Schwartz is an experienced lead investigator having personally secured external funding awards totaling more than \$5M during 17 years at the University of West Florida. He has served as Principal investigator or Lead Scientists on awards from the National Science Foundation, National Park Service, and the US Department of Education. In his role as a university researcher, Dr. Schwartz authored or co-authored nine peer-reviewed publications and presented or contributed to more than a dozen poster and oral presentations across a variety of research topics related to chemical oceanography. During academic work at the University of Delaware, and professional positions at the University of Edinburgh's School of geosciences and UWF he completed multiple oceanographic cruises on US and British research vessels in the Atlantic, Pacific, and Indian Oceans. Dr. Schwartz secured the 2017 Rod Nave Award from the Southeastern Association for Science Teacher Education and has been nominated three times and was named the 2016 recipient of the UWF Hal Marcus College of Science and Engineering Faculty Excellence award. Matt is married to Dr. Allison Beauregard Schwartz and has two children, ages 8 and 11.

Rob Polumbo



Name: Robert N. Polumbo
Address: 4001 N Ocean Blvd Apt B506, Boca Raton FL 33431
Email: mumbles@twoblueaces.com
Phone: 305-803-4594
Education: BS, Biological Sciences, USAFA, 1984
MS, Aviation Sciences, Embry-Riddle, 1994
Military career: Maj Gen (ret) USAF, 1984-2017
Civilian career: First Officer (ret) American Airlines, 1999-2022

Major General Rob "Mumbles" Polumbo (Ret) transitioned from the Air Force after 33 years of service. His career culminating as the special assistant to the commander, Air Force Reserve Command, Robins Air Force Base. General Polumbo assisted and advised the commander on the daily operations of the command, consisting of approximately 70,000 citizen airmen and more than 300 aircraft among three numbered air forces, providing air, space and cyber support to combatant commands world-wide.

General Polumbo was a distinguished graduate from the U.S. Air Force Academy in 1984. During his 14 years of active duty, he served as an F-16 instructor pilot, flight examiner, weapons officer, operational test and evaluation pilot, operations officer and commander. Additionally, he served as the aide-de-camp to the Air Force Chief of Staff. He transitioned to the Air Force Reserve Command in 1997 and joined the 482nd Fighter Wing at Homestead ARB. He flew F-16's in the 93rd Fighter Squadron, served as commander of the unit and later as the 482nd Fighter Wing vice commander. His senior executive positions included mobilization assistant to numerous commands including the Air Force Warfare Center, Air Combat Command, 7th/12th Air Force and Headquarters Air Force. His areas of expertise include coalition/joint air, space and cyber operations, joint all-domain command and control, operational test and tactics development, foreign material exploitation, commercial aviation and leadership/character development.

Rob is a command pilot with more than 4,300 hours of military aviation in all blocks of the F-16 and YF-112D, including 100 hours of combat time in Southwest Asia. He also graduated from the AF Fighter Weapons Instructor Course in 1991. During his 23-year American Airline's career, he logged more than 9,800 flying hours in B727, B757, B767 and B777 aircraft. He earned a master's degree in aviation science from Embry-Riddle University in 1994. Rob is co-author of *Leadership from 30,000 feet* and is planning to release a second book on leadership in Dec 2022. He is married to the former Claudia Barriga of Miami, FL and has two sons. Jake is a fighter pilot in the AF and Zach is a senior at the Naval Academy.

Current Executive Positions:

- Senior Consultant, Two Blue Aces consulting group
- Executive Associate, South Florida Defense Alliance
- Executive Assistant, The 22 Project, non-profit 501c3

Jake Polumbo



Name: H.D. Polumbo Jr.
Address: 114 Wyndham Drive, Winter Haven Florida, 33884
Email: jake@twoblueaces.com
Phone: 863 223-2554
Education: BS, Engineering Sciences, USAFA, 1981
MS, Aviation Sciences, Embry-Riddle, 1992
Military career: Maj Gen (ret) USAF, 1981-2015
Civilian career: Founding Partner and Senior Consultant, Two Blue Aces Consulting

Major General H.D. "Jake" Polumbo (Ret) is a founding partner and senior consultant for Two Blue Aces, LLC, a leadership firm that specializes in strategic reviews, business plan development, leadership training and mentoring. His primary focus is on the defense and aerospace sectors, with an emphasis on leadership and business networking.

In 2015, after 34 years of service, Jake retired from the Air Force as the commander of the Ninth Air Force in South Carolina, comprising eight active-duty wings in the southeastern United States with more than 450 aircraft and over 29,000 active-duty and civilian personnel.

He entered active duty as a graduate of the U.S. Air Force Academy in 1981 and commanded at the squadron, group, and three times at the wing level. He served in strategic planning positions in Europe as the director of strategy and plans at U.S. Africa Command and in the Pentagon as the assistant deputy director for Global Operations on the Joint Staff. General Polumbo also served as a task force commander in Afghanistan in 2012. He attended the Federal Executive Institute and was a Senior Fellow at Georgetown University's Institute for the Study of Diplomacy.

A decorated command pilot, Jake logged over three thousand flying hours in all models of the F-16 and holds the distinction as the first and only U.S. Air Force general officer to fly the U-2S in combat, completing twenty-one missions in Operations Enduring Freedom and Iraqi Freedom.

Jake is the Past Chair of the Board of the Central Florida Development Council and serves as an advisor for aviation programs around central Florida. He is active in the local General Aviation community, is a Certified Flight Instructor - Instrument (CFII) in single and multi-engine land aircraft as well as an instructor pilot in single engine seaplanes. Jake and his wife Sandra, a Florida native, have been married for forty-one years. Their oldest son, Chad, is a Lieutenant Colonel in the U.S. Air Force with his wife Julie, and they have two sons, Nolan and Garrett. Jake and Sandra's youngest son, Erik, lives in Virginia with his wife Alexine, where they run two very successful businesses together.

Current Executive Positions:

- Senior Consultant, Two Blue Aces Consulting Group
- Board Member, Central Florida Development Council

Jim Philpitt



Name: James Byrd Philpitt
Address 1: 8628 Glyborne Court, Orlando FL 32828 Address 2: 3025 West Napoleon Avenue, Tampa FL 33611
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Phone (O): 813-826-2416 Phone (M): 407-493-7611

Education: BS, Government & Public Administration, Florida State University, 1977
 MPA, Public Administration, University of West Florida, 1988
 MA, National Security & Strategic Studies, U.S. Naval War College, 1989
 Graduate, College of Naval Command & Staff, U.S. Naval War College, 1989
 Graduate, U.S. Air Force Air War College, 1996

Military career: Captain, U.S. Navy (Ret), 1977-2007

Civilian career:

- 2021-Present: Strategic Engagement Officer, U.S. Special Operations Command J59 Division, MacDill AFB FL
- 2018-2021: Site Lead/Task Lead, USAF-USN Joint Tactical Aviation Synthetic Training Analysis of Alternatives, Air Force Agency for Modeling & Simulation and Naval Air Warfare Center Orlando FL
- 2008-2018: Senior Planner; Deputy Director, Joint Exercise Control Group; and Deputy Director, Exercise NEPTUNE FALCON, U.S. Central Command J7 Directorate, MacDill AFB FL

Captain Jim "Byrdman" Philpitt retired from the U.S. Navy in October 2007 with over 30 years of service, to include the Cold War and Operations Southern Watch, Enduring Freedom, and Iraqi Freedom. Compressing a 4-year college degree into just over 2 ½ years, he reported to NAS Pensacola less than 2 weeks after graduating from FSU. As a career Naval Flight Officer, he has logged over 3,600 flight hours in various fighter, strike, and reconnaissance aircraft with multiple deployments in the Atlantic and Pacific Fleets. His qualifications include NATOPS Flight Instructor, Weapons and Tactics Instructor, Air Operations Center Director, and Joint Qualified Officer. His operational assignments comprise multiple aviation squadrons, air wings, and staff duty at Joint Task Force Southwest Asia, U.S. Naval Forces Central Command/U.S. 5th Fleet, and Chief of Current Operations and Director of the Joint Operations Center at Headquarters, U.S. Central Command the day of and following the Al-Qaeda attacks of 11 Sep 2001. He has also held aviation major command as Commodore, Tactical Air Control Group ONE.

Joining the USCENTCOM Exercises & Training Directorate in 2008, he held roles in USCENTCOM's INTERNAL LOOK exercise series, the CJCS Crisis Management Exercise (CMX) and IRON CRUCIBLE series, and assignment as Deputy Director of NEPTUNE FALCON, a JCS-directed, USCENTCOM sponsored, two-week live-fly air and space exercise involving over 150 combat aircraft, conducted annually at Nellis AFB, Nevada, NAS Fallon, Nevada, and adjacent ranges.

In December 2018, he was recruited as Site Lead/Task Lead for the USAF-USN Joint TACAIR Synthetic Training Analysis of Alternatives (JTST ~~DoA~~), focused on virtual and synthetic-inject-to-live training and readiness alternatives for 5th Generation and Generation 4.5 fighter aircraft and electronic attack aircraft. This effort was deemed "Sufficient" (the highest rating) by the Office of the Secretary of Defense, Cost Assessment and Program Evaluation (OSD CAPE).

Upon completion of the JTST ~~DoA~~, he was recruited again to the U.S. Special Operations Command Plans and Policy Directorate where he currently works Strategic Engagement issues for the J59 Concept Development and Integration Division.

A graduate of LEADERSHIP ORLANDO, he has also authored numerous articles appearing in publications such as *Aviation Week & Space Technology*, *U.S. Naval Institute Proceedings*, *Navy Times*, *Airport Business*, *MIG SWEEP*, *Wings of Gold*, *USA Today*, and the *Orlando Sentinel*, as well as co-authored the *Joint Officer Handbook*, a Joint Staff J7 publication still in use today. An adjunct faculty member to both Embry-Riddle Aeronautical University and the University of Tampa, his professional affiliations include The Tailhook Association, the Association of Naval Aviation, the Naval Aviation Museum Foundation, the Red River Valley Fighter Pilots Association, and an *Executive Emeritus* member of the American Association of Airport Executives. He also serves without compensation on the Board of Directors of the Tampa Bay Defense Alliance.

Captain Philpitt is married to the former Victoria "Vickie" Quinlan of Lakehurst, New Jersey and they maintain residences in both Orlando and Tampa.

David Lowe

Name: David E. Lowe
Address: 966 Timberview Road, Clermont, FL 34715
Email: dlowe@2circleinc.com
Phone: 240-808-5003
Education: BS, Engineering, US Naval Academy, 1990
MA, Nation Security & Strategic Studies, US Naval War College, 2005
Military career: LCDR, USNR, 1990-2010
Civilian career: Senior Research Engineer, Georgia Tech Research Institute, 2010-2016
VP, Studies & Analysis Division, 2 Circle, Inc. Consulting, 2016-2022

David 'Streaker' Lowe is a retired Naval Aviator, logging over 3500 hours in the F-14, F/A-18, and UC-12B aircraft. He distinguished himself by being one of two Naval Aviators to ever be designated a Strike Fighter Tactics Instructor (SFTI - TOPGUN graduate) and a Staff Landing Signals Officer (CAG Paddles) upon his retirement in 2010. Lowe's military career was also highlighted by tours as the Reserve Program Director at Naval Air Reserve (NAR) Atlanta, as well as Brigade Electronic Warfare Officer (EWO) for CJSOTF-Arabian Peninsula in Ballad, Iraq and Director of Operations for Joint CREW Composite Squadron – ONE (JCCS-1) on Camp Victory in Baghdad, Iraq - both assignments as part of the radio-controlled IED fight in OPERATION IRAQI FREEDOM from 2007-2008. Lowe's military awards include the Bronze Star, Meritorious Service Medal, and multiple Strike/Flight Air Medals, among others.

Following retirement in 2010, Lowe's civilian career began at the Electronic Systems Laboratory (ELSYS), Georgia Tech Research Institute (GTRI), as a Senior Research Engineer. During his six years on the faculty at Georgia Tech, Lowe was the Navy Business Development Lead for ELSYS, creating the business case and leading the effort to open a field office for GTRI in Lexington Park, MD to support Naval Air Systems Command and the Naval Aviation Enterprise. During that time, Lowe was the Principal Investigator (PI) on multiple projects to include the integration of Aircraft Survivability Equipment (IASE) on the MV-22 Osprey and an embedded EW training capability for the MH-60 Weapons School (SEAWOLF) at NAWDC in Fallon, NV; as well as an operational subject matter expert (SME) for advanced EW technologies.

In 2016, Lowe left academia to work as an operational SME for 2 Circle, Inc. Assignments included Senior Warfare Analyst for the Training Analysis Project (TAP – Strike/Fighter data collection and training analysis), as well as the Mission Engineering Lead for the [Long Range Anti-Ship Missile \(LRASM\)](#) program and other USN/USAF long range fires technologies. More recently, Lowe has led analyses for the Joint TACAIR Synthetic Training (JTST) Analysis of Alternatives and the OSD P&R-led Joint EW Live/Virtual/Constructive (LVC) Training Project. Lowe is currently the VP, Studies & Analysis Division, Warfare Solutions Department, at 2 Circle, Inc.

Lowe has been married to the former Wendy Rae Blackwell for over 30 years. They have two adult sons, Nathaniel and Joshua. Nathaniel is pursuing a career as a professional baseball player with the Texas Rangers and Joshua is pursuing a career as a professional baseball player with the Tampa Bay Rays.

Lennie Coleman



Name: Leonard Thomas Coleman – “Lennie”
Address: 4844 Hillsdale Court, Colorado Springs, CO 80918
Email: lc Coleman@scires.com
Phone: 719-205-4107

EDUCATION: BS Human Factors Engineering, USAFA, CO
MS Strategic Studies, Air University, AL.
Masters Public Administration, Auburn University, AL

Military Career: Col (Ret) 1981-2006
Civilian Career: Scientific Research Corporation, Vice President

Colonel (Ret) Coleman (Lennie), is a native of Savannah, Georgia and has extensive experience in operational testing and integration programs across DOD. He had led and participated in many test programs in areas including in Integrated Air and Missile Defense, employment of advance 5th generation platforms and advanced threat development and employment. He brings over 40 years of testing and operational expertise to every project.

Mr. Coleman was commissioned in the Air Force and served over 25 years. He is a “distinguished graduate” of Undergraduate Pilot Training and has over 3400 hours in Air Force aircraft including the F-16 and F15 fighters. He has held numerous Command and staff positions to include the command of a Basic Training Squadron at Lackland AFB, TX and an F-16 Fighter Squadron at Moody AFB, GA. In 2002, Mr. Coleman served as the Director of Operations at NORAD and provided the foundation for the stand-up of USNORTHCOM. In this role, he was responsible for all detailed test planning and program implementation of the National Capital Region Integrated Air Defense System at direction of the Secretary of Defense. Provided liaison with both federal and state agencies for execution of constantly changing Homeland defense and DoD testing procedures for new security measures following 9/11. Mr. Coleman was honored to fly the “Right Wing” #3 aircraft for the USAF Thunderbirds during the 1991 and 1992 demonstration seasons in the F-16 aircraft. During this tour he flew in over 160 air demonstrations across the Continental United States, in Alaska, Hawaii, Europe and South America. While in the AF he served as the Director of the NORAD Operations Branch following the attacks of 9/11 and was instrumental in the activation and standup of USNORTHCOM.

Mr. Coleman was promoted to Colonel in 2002 and retired from the military in 2006. Following retirement, Mr. Coleman led the several Joint Test programs including Joint Air Defense Operations – Homeland and tested the concepts employed in the National Capital Region across various possible Homeland locations. He took his current position with Scientific Research Corporation as the Vice President, Operational Testing in 2010.

Rick Miller



Name: Rick Miller
Address: PO Box 298368, Pembroke Pines, FL 33029
Email: rmiller@pharosmissioncritical.com
Phone: 786-202-1531
Education: PhD, Political Economy (degree in progress), Catholic University
MA, International Affairs, Catholic University
MS, National Security Affairs, National War College
Master's Diploma, Command & Staff College, Naval War College
BS, Ocean Engineering, United States Naval Academy
Military career: Captain, U.S. Navy (retired) 1989 – 2015
Civilian career: VP, Nautical & Safety Operations, Carnival Cruise Line (2014 – 2018)
Founder/CEO Pharos Mission Critical Solutions (2018 – present)
CEO MobileDOCK USA (2018 – present)
CEO Security Clearance Pathway (2020 – present)

Rick Miller leads Pharos Mission Critical Solutions, a combined consultancy and technology integration practice and MobileDOCK-USA a ground logistics optimization solution. He also serves part-time as a Deputy Director at the Atlantic Council's Adrienne Arsht-Rockefeller Foundation Resilience Center managing their Resilience Hubs Networking Strategy project for Miami-Dade County.

As a former cruise line operations executive, he had responsibility for the largest, single global fleet of ships in the industry leading over a dozen functional shore-based teams and thousands of shipboard mariners. Additionally, he personally led the design, development, and operation of the largest and most advanced Fleet Operations Center in the commercial maritime industry.

Rick's cruise line experience followed a successful career in the U.S. Navy including command at sea, with numerous shipboard and staff assignments across a number of specialties. Operationally, he participated in Operations Desert Shield/Desert Storm, Operating Enduring Freedom, counter-piracy and counter-terrorism operations, and dozens of contingency operations in Europe and the Balkans, Africa, the Middle East, Central and South Asia, the Caribbean and Latin America.

Ashore, he led current operations for U.S. Southern Command. A proven specialist in strategic planning, international relations & diplomacy, and financial management, he served multiple tours in the Pentagon as part of both the Navy and Joint Staffs directing and planning Navy's programs and budgets as well as guiding development of defense appropriations to support wartime activities. He served on the personal staffs of both the Vice Chief of Naval Operations and Chief of Naval Operations and worked special support on several issues for the Chairman of the Joint Chiefs of Staff. He also spent a year as the Navy's Federal Executive Fellow at the Institute for the Study of Conflict, Ideology and Policy in Boston.

Rick is a graduate of the U.S. Naval Academy, distinguished graduate of both the U.S. Naval War College and U.S. National War College and the Catholic University of America with undergraduate and graduate degrees include engineering, international affairs, and strategic planning disciplines, as well as doctoral work in political economy. He is the author of over 30 articles, professional papers, and the book Funding Extended Conflicts, a history of U.S. war financing. Rick was the winner of the Naval War College's B. Franklin Reinauer Defense Economics Prize and the U.S. Naval Institute's Naval History Essay Prize. Active in the South Florida community, Rick is on the Board of Directors of the South Dade Economic Development Council and is Executive Director of the South Florida Defense Alliance. Additionally, he serves as Vice Chair of the state-wide Florida Defense Alliance.

Tom Weaver



Jeremy Jetton



Jacksonville Regional Chamber of Commerce



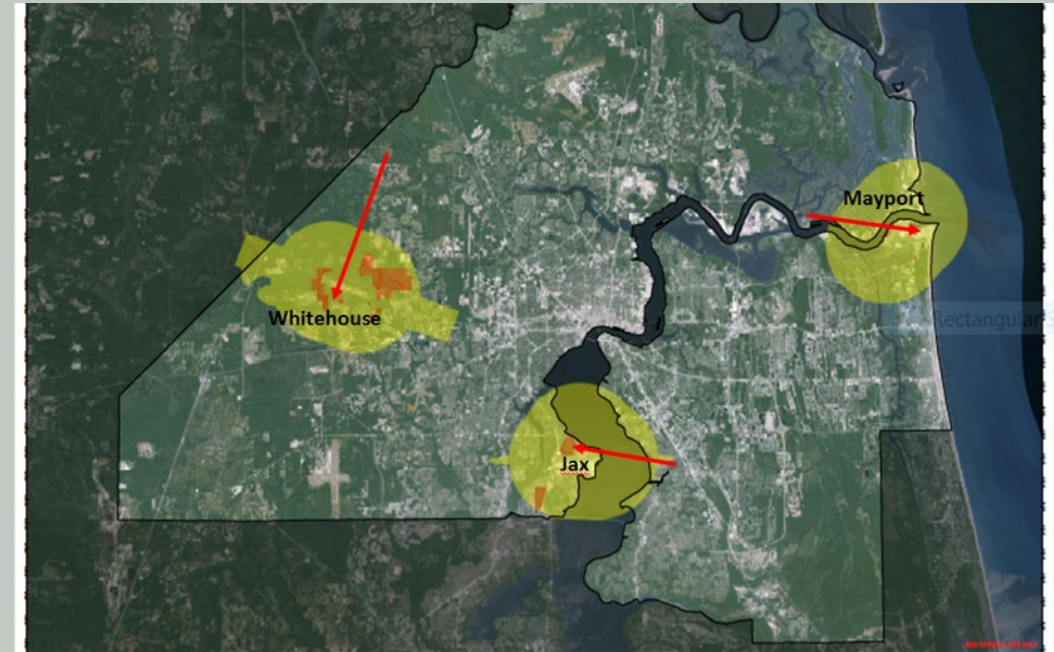
- Jacksonville Federal Military Engagement for increase in LCS/DDG/FFG ship loading at NS Mayport
- November 2022-June 2023

“Jacksonville has a long and proud history of being a Navy City. We deeply value supporting the military, its mission, and all of the active duty, reservists, family members, Veterans, and civilians protecting our freedom. The JAX Chamber strongly advocates for maintaining and growing our military presence.” -CAPT *Aaron Bowman, USN (ret), Senior VP Business Development, JAXUSA Partnership*

“Our city has a strong relationship with the military, particularly the U.S. Navy. That relationship extends beyond jobs and economic impacts. These service members are a vital part of our community.” -*Mayor Lenny Curry*

\$14.35 Billion

The economy of Jacksonville is linked to the presence of the military more than any other industry. The 2021 Enterprise Florida Defense Industry Economic Analysis reports the military's economic impact for Jacksonville is \$12 billion per year and \$14.35 for NE Florida. 113,000 local jobs are created by the military economic impact with 15.8% of the regions Gross Regional Product directly linked to the military.



Currently, NS Mayport is the homeport to 21 ships, with the LCS comprising 8 of the total ship count. Two additional LCS's were scheduled to be homeported in the next two years.

The Navy's Budget Chief, RADM Gumbleton announced plans in March 2022 to decommission the 8 Freedom Class LCS, which are homeported at NS Mayport.

Defense News reported several months ago that the nine ships the Navy hopes to decommission include all the Freedom LCSs currently commissioned in the Navy: Fort Worth (LCS-3), Milwaukee (LCS-5), Detroit (LCS-7), Little Rock (LCS-9), Sioux City (LCS-11), Wichita (LCS-13), Billings (LCS-15), Indianapolis (LCS-17) and St. Louis (LCS-19).



Project designs supports the Mission of the FDSTF

- This project is designed to preserve and protect the future of NS Mayport and the 83 tenant commands that support its missions. Jacksonville is the number one requested duty station in the US Navy, this project will help maintain the regions and the state's strong commitment to supporting the military and the defense related jobs in NE Florida and beyond.
- NS Mayport can homeport 34 ships and has over 10,000 active-duty sailors, civilians and defense contractors.

Jacksonville Federal Military Engagement for increase in LCS/DDG/FFG ship loading at NS Mayport

Project Objectives:

Maintain a Federal Engagement Team, lead by a retired 4-Star, that has direct access to Current US Navy Leadership (3-Star and above) and supporting staff that have access to Congress members and Congressional staff.

- ❑ Communicate to Senior US Navy leadership the operational benefits of NS Mayport as the east coast home port for combatant ships such as the DDG's and FFG's
- ❑ Work with fellow industry leadership for the Regional Ship Repair Industry, to have the Navy assign additional ship repair orders to NE Florida Shipyards
- ❑ Communicate with Congressmembers and Congressional staff about the need to maintain the homeporting of the LCS at NS Mayport until such time as the new class of FFG's of additional DDG's and related support structures can be shifted to NS Mayport.
- ❑ Provide detailed monthly reports of Federal advocacy with senior Pentagon Navy leadership.
- ❑ Support the Jacksonville Regional Chamber of Commerce and City of Jacksonville leadership with communications and meetings with DoD and Congressional decision makers.

05 Closing

Thank you for your consideration in helping to maintain the long-term viability of NS Mayport and the economic impact that the military brings to NE Florida



Military Base Protection Program: Non-Conservation Lands

October 20, 2022



Military Base Protection Program

- Established under F.S. 288.980; includes the securing of non-conservation lands to serve as a buffer to protect military installations against encroachment.
- “Non-conservation lands” are defined as lands that are not subject to acquisition by the Florida Forever Program.

Military Base Protection Program

- Task Force must review annually by December 1st the list submitted to DEO by military installations and provide recommendations for ranking the lands back to DEO.
- With each recommended land acquisition:
 - Legal description with property ID #
 - Detailed map
 - Management and monitoring agreement to ensure land serves a base buffering purpose

Process

- Base commanders submit non-conservation land encroachment threats to DEO.
- DEO provides those submissions to Task Force for prioritization.
- FDSTF prioritizes list.
- DEO submits list to the Board of Trustees which may acquire the lands.

Types of Encroachment

- Development in Clear Zone, Accident Potential Zones, or within 65dB and above noise contour line.
- Sites exempted from local government AICUZ Ordinance (previously purchased).
- Proximity to existing sonar testing facility.
- Proximity to existing and proposed ranges.

Considerations

- Existing land use restrictions; actual/current use
- Future land use designation and zoning
- Existing development on site
- Redevelopment potential
- Ownership
- Identified encroachment threat
- Short Term vs. Long Term Threat; development pressures

Prioritization Criteria

- **Tier 1**

- High likelihood of incompatible development within Clear Zone or Accident Potential Zone 1.
- Approved development with potential to impact overall base mission.
- No existing restrictions on development to reduce encroachment/safety risk.

High Mission Impact + High Likelihood of Near-Term Development

Prioritization Criteria

- **Tier 2**
 - High likelihood of incompatible development within Accident Potential Zones 1 or 2.
 - Proposed development with potential to impact overall base mission.
 - Existing development within Clear Zone or Accident Potential Zones, but with low likelihood of redevelopment.

Lower Potential Impact or More Time for State to Act than Tier 1

Prioritization Criteria

- **Tier 3**
 - High likelihood of incompatible development within existing noise contours (high noise areas).
 - Possible development with potential to impact overall base mission.
 - Threat from potential for future development mitigated by one or more of:
 - existing restrictive easements on properties.
 - currently compatible land use
 - currently compatible zoning on property.

Serious Concern, but Less Impact or More Time than Tier 2

Tier 1

- **Naval Air Station Pensacola** – Cook Property (23+ acres in APZ 1)
- **Naval Air Station Key West** – Alfred Sears Trust Property (124 acres in APZ 1)
- **Homestead ARB** – Homestead Park of Commerce (19.92 acres in APZ 2)
- **Avon Park** – The Resort at Canopy Oaks (345 acres in MIPA 1) {formerly known as “Triple Canopy Ranch”}
- **Eglin AFB** – Valparaiso Lots (6 acres/18 homes in Clear Zone)
- **Naval Air Station Jacksonville** – Southbelt Park Ltd. (23 acres in APZ)
- **NAS Jacksonville** – JEMSET LLC (254 acres in APZ 2)
- **NS Mayport** – (1.28 acres {Helow Properties Ltd. & Selva Marina Realty Co.} adjacent to main gate; security issues)
- **Mayport Road LLC** – (2.13 acres adjacent to main gate; security issues)

Tier 2

- **MacDill AFB** – ZONS Property (5.9 acres in Clear Zone)
- **Blount Island** – Parcel adjacent to main Entry Control Point (4.24 acres)
- **NAS Key West** – Enchanted Island (4 acres in APZ 1)
- **MacDill AFB** – 3C Self Storage – in Clear Zone (already developed-incompatible w/ CZ)
- **Bugg Spring** – Spring Creek Run – (49.85 acres in Noise Contour Zone)
- **Bugg Spring** – Joseph Branham – (5.5 acres in Noise Contour Zone)
- **Homestead Commerce Center, LLC** – (3 parcels totaling 16.93 acres)

Tier 3

- **NAS Key West** – Gulf Seafood (8 acres in high noise area)
- **MacDill AFB** – Sally Harris – already developed (in APZ 1)
- **MacDill AFB** – Caribbean-American Club - already developed (in APZ 1)
- **Camp Blanding** – Ira Adams – (85 acres less than one mile from installation boundary and near the artillery impact area, the area that produces the highest noise on the installation)
- **Camp Blanding** – Jason Canova – (106 acres adjacent to the installation boundary and adjacent to the Corridor and Route System (CARS) aviation route in and around installation)
- **MacDill AFB** – Florida Rock – northern 14.7 acres in CZ

MBPP Funding

- Original state funding for 3 parcels (FL Rock, Mayport Village and Barefoot Palms) was \$7.5 million in FY14-15
- \$3.7 million remained with DEP for FL Rock property; all funding reverted in FY19-20.
- No additional funding appropriated to date.

Questions/Discussion



Military Base Protection Program: Non-Conservation Lands

October 20, 2021





FDSTF: Affordable Housing Solutions for Florida's Military Installations

November 17, 2022

Overview

- **Introduction**
- **Team**
- **Background**
- **Preliminary Analysis**
- **Current Housing Challenges**
- **Potential Solutions**

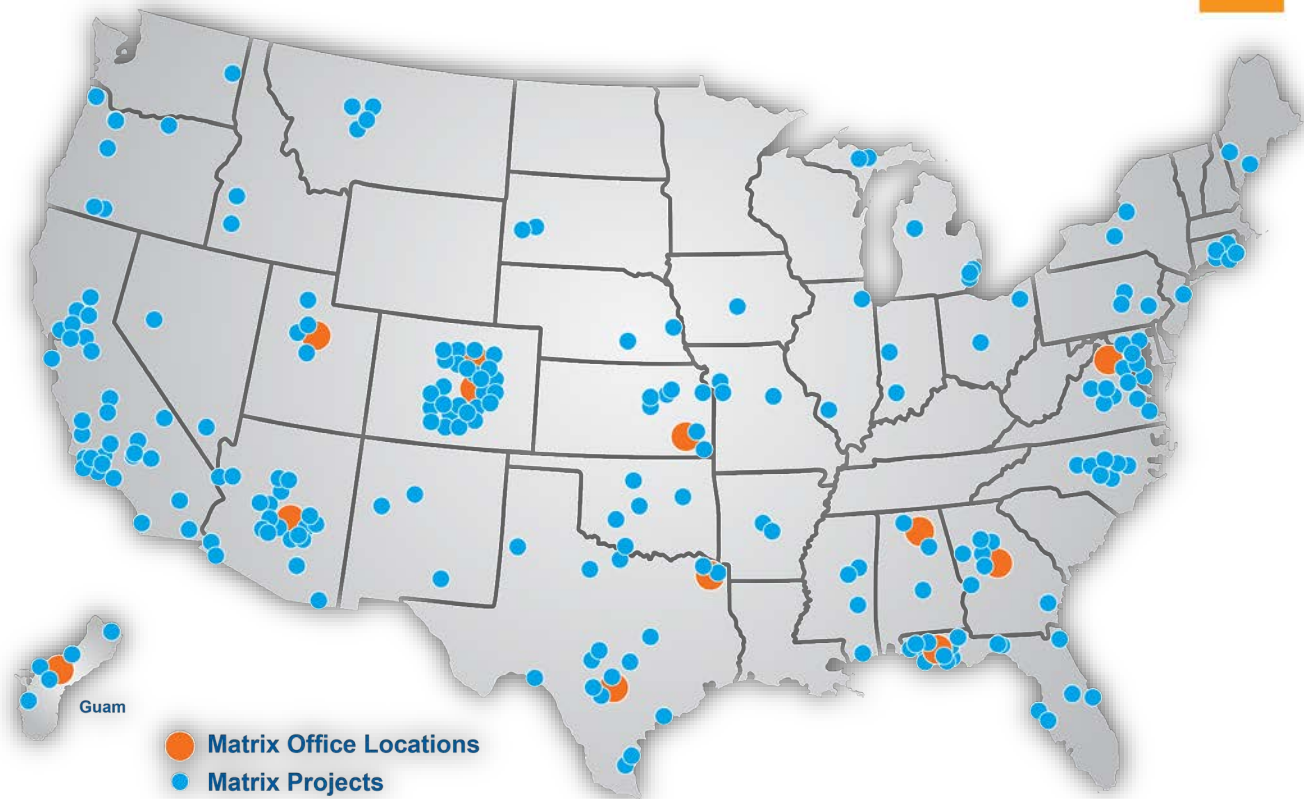
Introduction

Matrix Design Group

- Founded in 1999
- Employee-Owned
- Office in Niceville, FL
- Interdisciplinary

Our Team

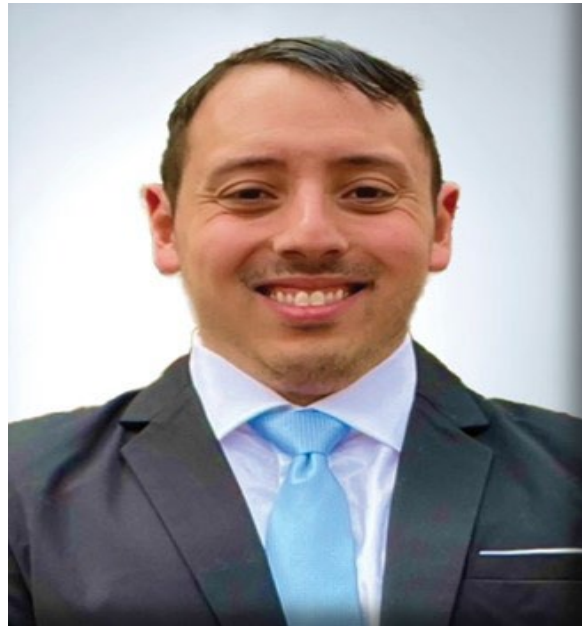
- Government Consulting Services
- Nationally recognized military planners, engineers, & economic analysts
- Defense community consultants
- Housing experience



Team



Charlie Perham
Director of Government
Consulting Services



Christian Caron, PhD
Senior Research Analyst

Background

- Matrix retained in August 2022 to conduct the study
- Goal: Provide creative and feasible solutions to the housing availability and affordability crisis facing Florida's defense communities
- **Contributing factors**
 - Lagging BAH
 - Hurricane Michael (and others since)
 - Short-term rentals
 - Pandemic-fueled housing excitement
 - Low mortgage rates through 2021
 - Increased in-migration to the Sun Belt
 - Supply chain challenges

Where are military living in Florida?

Active-duty population size by zip code

Florida Military Facts

Total Statewide Economic Impact \$94.9 B	
Percent of Florida Economy	8.9%
Statewide Direct and Indirect Jobs	914,787
Buildings Owned by Military ¹	5,922
Total Acreage (all installations) ¹	522,734
Plant Replacement Value ¹	\$32.5 Billion
Military Personnel ²	65,267
Civilian Personnel ²	31,367
Military Reserve ²	24,779
National Guard Full-time ³	2,470
National Guard Traditional Guardsmen ³	10,667
Total Veterans Living in Florida ⁴	1,491,072
Total Military Retirees Living in Florida ⁵	203,177

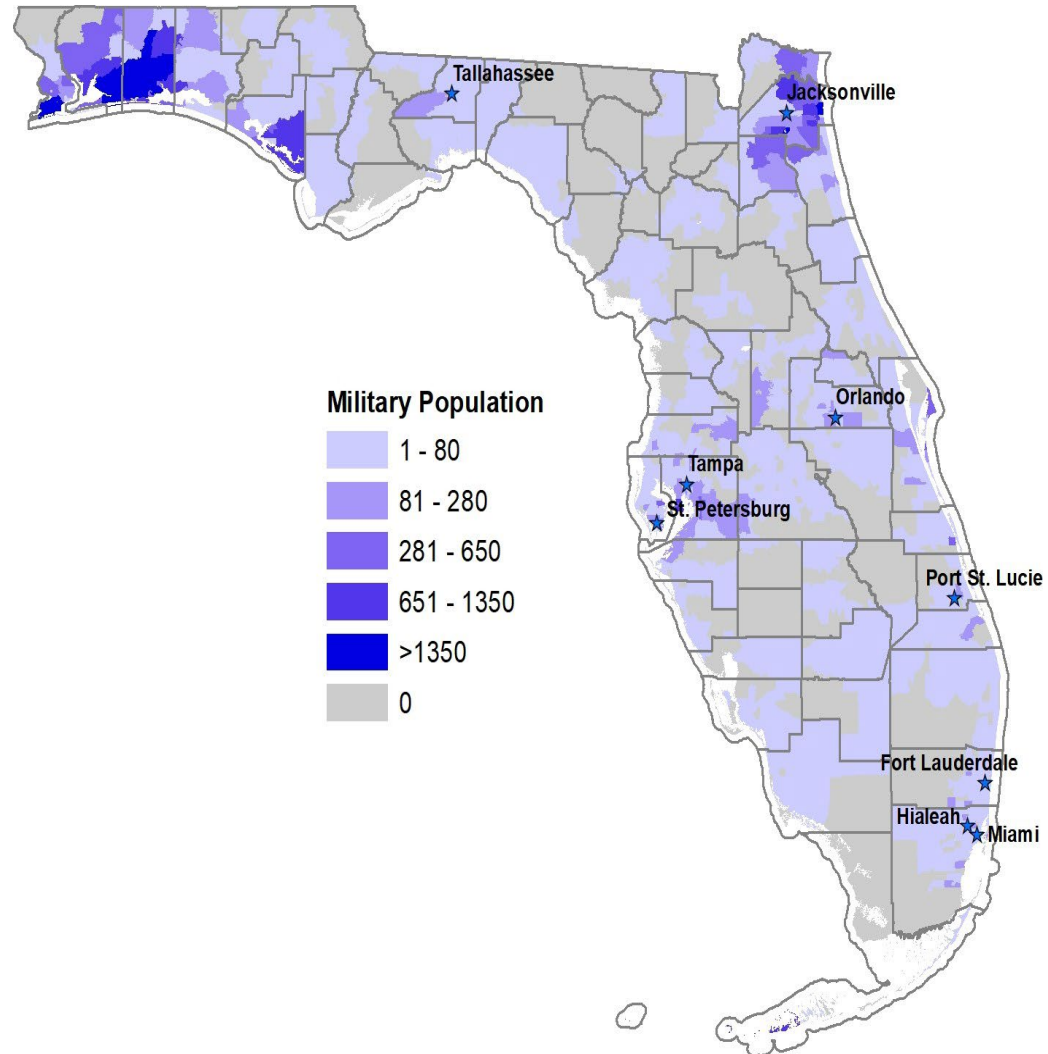
¹ Department of Defense, Base Structures Report – FY 2018 Baseline

² Defense Manpower Data Center – Military and Civilian Personnel By Service/ Agency by State/Country (2018)

³ Adjutant General's Report FY 2018, Committed to Readiness, Florida's Force – We Work for You

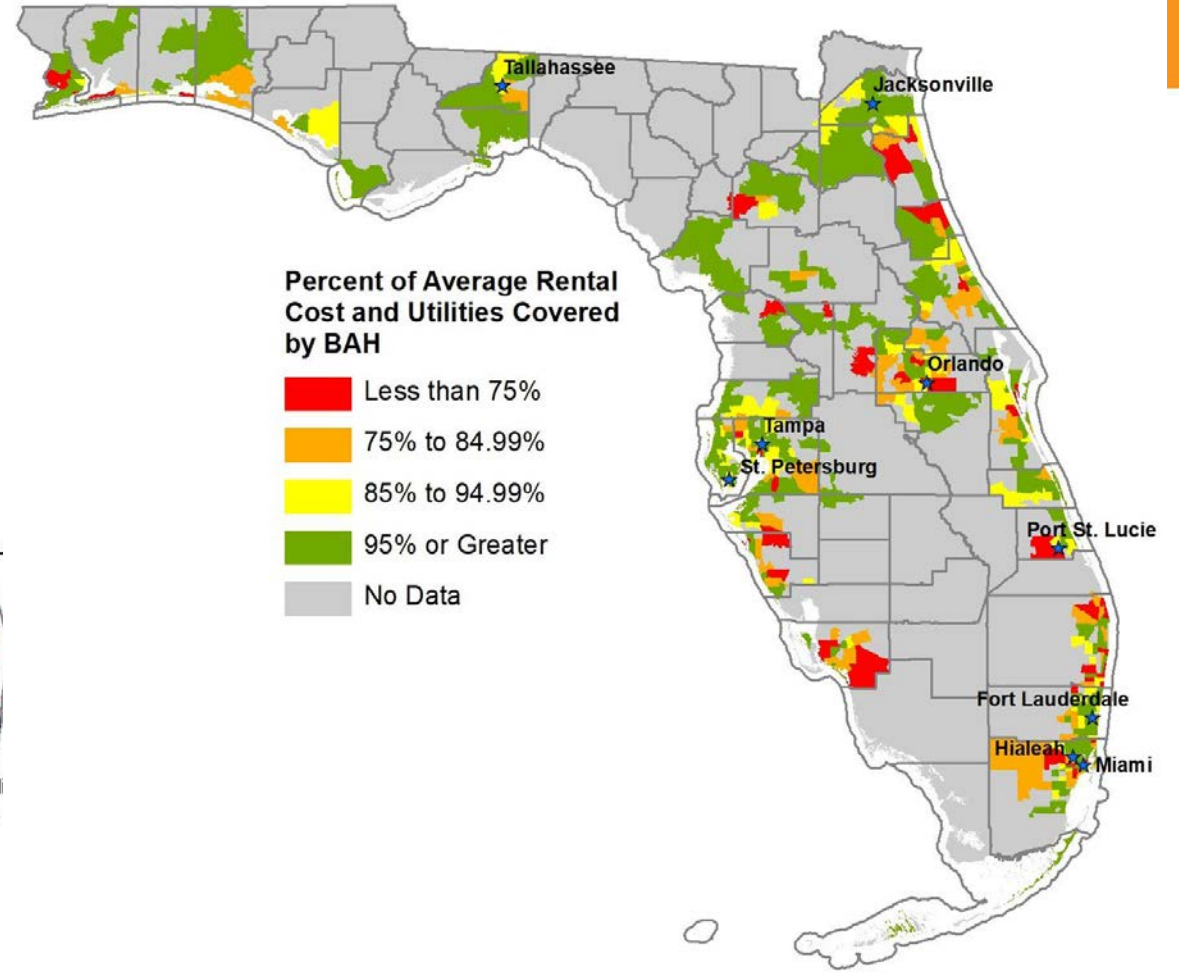
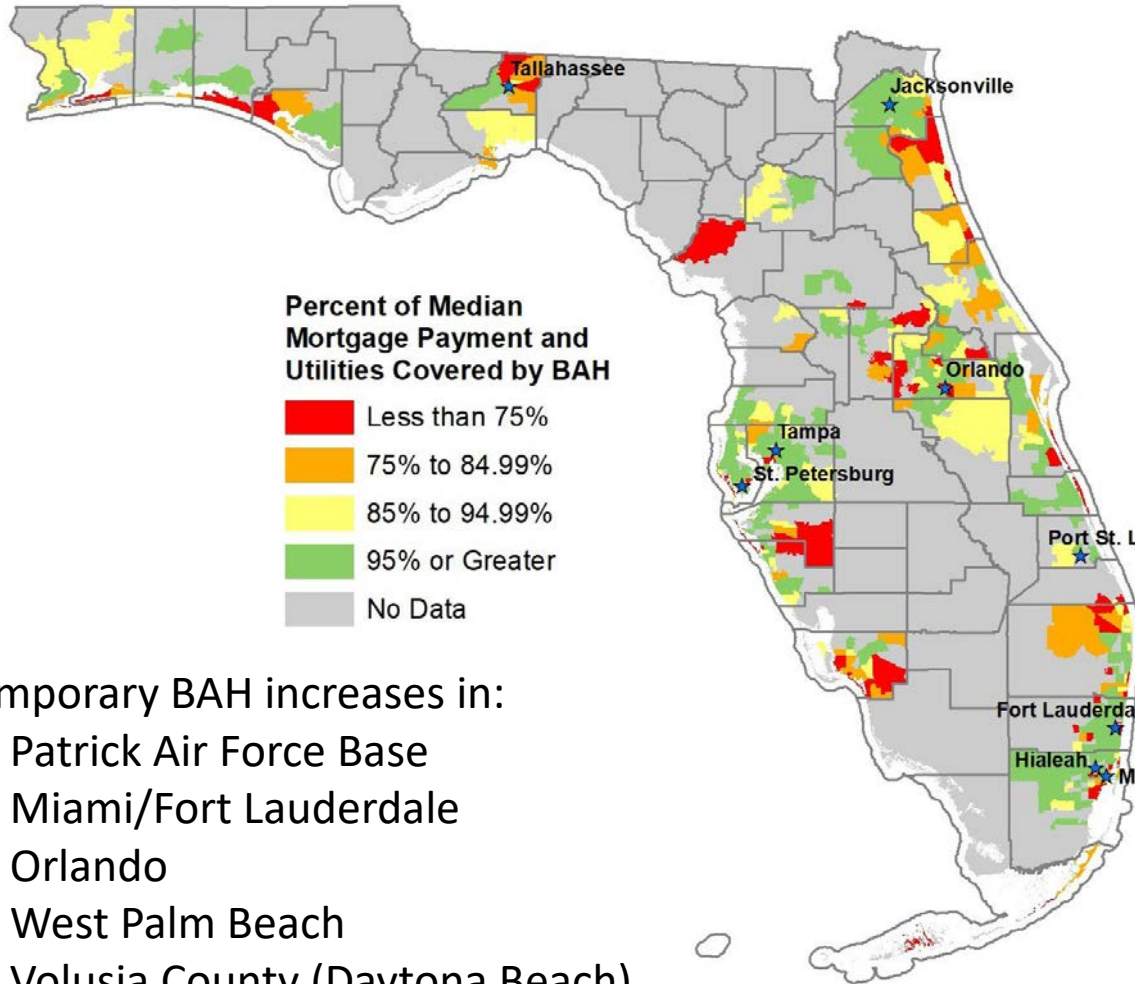
⁴ U.S. Department of Veterans Affairs

⁵ Department of Defense, Office of the Actuary



Where is there an affordability problem?

Zip-code level maps depicting share of housing costs covered by BAH rates for E-5s without dependents

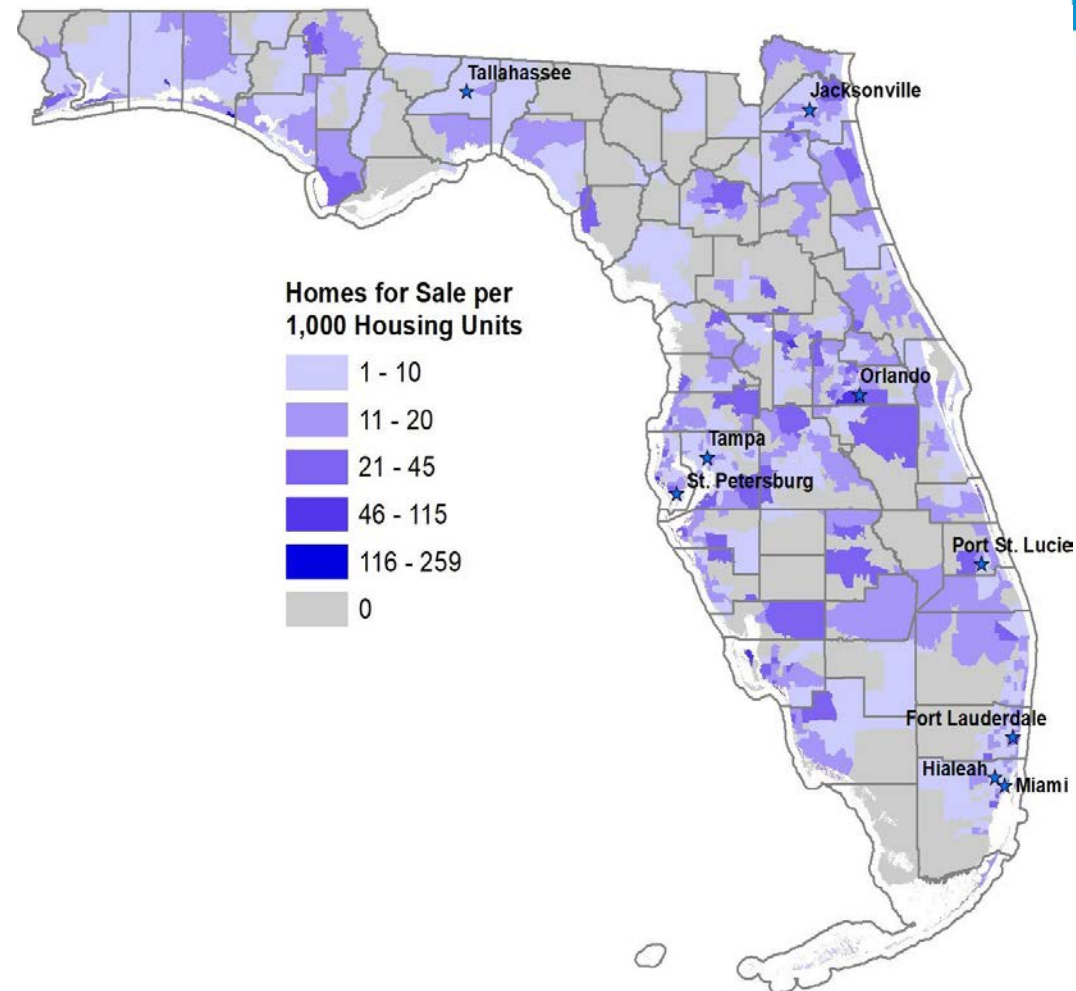
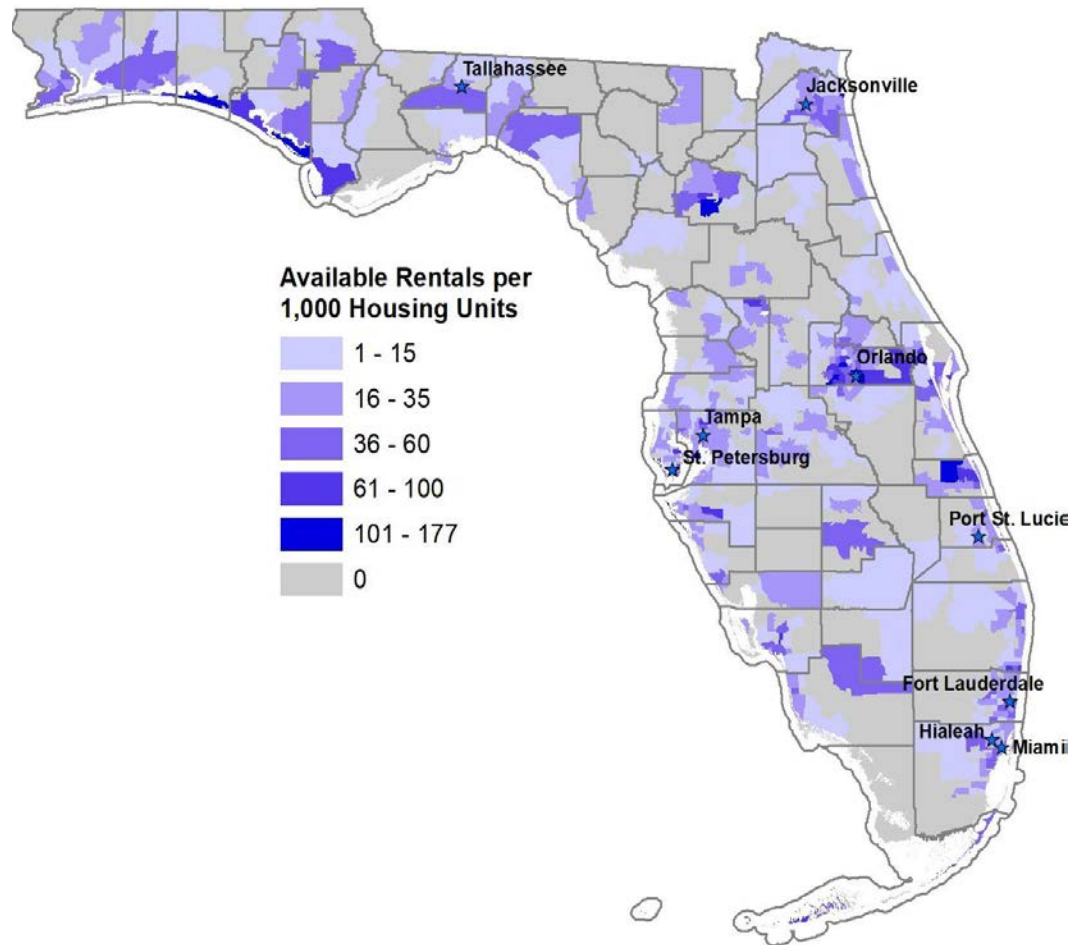


Temporary BAH increases in:

- Patrick Air Force Base
- Miami/Fort Lauderdale
- Orlando
- West Palm Beach
- Volusia County (Daytona Beach)
- Fort Myers Beach

Where is there an availability problem?

Zip-code level maps depicting relative numbers of rental and owner units on the market



Current Housing Challenges

- **Low-density residential districts allowing only detached single-family homes are the norm**
- **Local governments commonly prohibit the renting out of accessory dwelling units (ADUs)**
 - Stringent regulations in Escambia County, as well as Tampa, Jacksonville
- **Short-term rentals (STRs) represent an increasing share of the market**
 - Pensacola: 135 active listings per 1,000 housing units in 2022 Q2
 - 2011 state law prevents local governments from outright prohibiting them
- **Vacancies are prevalent**
 - 1.6 million empty homes statewide—more than any other state
 - Crestview (1,030 active-duty population): 9% vacancy rate
- **Influence of “home rule”**

Recommendations

Public Policy Solutions

- Allow for “gentle” density and offer property tax exemptions for small multifamily structures
- Permit and finance ADUs
- Develop vacant property plans
- Incentivize short-to-long-term rental conversion

State-supported military solutions

- Explore public-private partnerships to improve off-base housing
- Expand on-base privatized housing

SPACE
LAUNCH
DELTA 45

45

WELCOME

SLD 45

17 Nov 2022

Assured Access to Space

UNCLASSIFIED

The Future of Assured Access to Space

SPACE ACCESS

★ AATS Inherent Activities

LTRS - Range Sustainment; Materiel and Services	Operate Vandenberg SFB, Patrick SFB, Cape Canaveral SFS, Eastern and Western Ranges	Procurements; NSSL, RSLP; Multi-Mission Manifesting
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Orbital/Sub-Orbital Launches; Storage, Surveillance, and Refurbishment of Decommissioned ICBM Motors

★ National Federation of Spaceports



USG and State Spaceports Collaborations



★ Commercial Range Ops & Business Models	★ Multi-Use Range Facilities; Complex Allocation	★ Next-Gen Range Services & Mission Assurance
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Mission Lifecycle Management


★ SV Processing Management; Building Capacity	★ AATS-Level Ops Centers for Monitoring Hardware Movements and Assets
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OPERATIONS INTEGRATION

Spaceports/Launch/Satellite Ops

SSC/S3	★ SSC Spaceflight Worthiness & Certification
	★ Enterprise Mission Assurance Team
	★ COCOM Space Effect Integrator
AATS AA3/5/8	★ DoD Mission Manifesting
	★ AATS Program Incubator
	★ AATS Policy, Requirements & Funding



2 USSF RANGES 2 ARMED SERVICES
3 TRACKING SITES 9 LOCATIONS
100+ MISSION PARTNERS 10K PERSONNEL



RAPID DELIVERY

Sub-Orbital Rapid Strategic Mobility

★ Rocket Cargo
 AFRL Vanguard Program;
 Point-to-Point Rapid Global Mobility



ORBITAL RESILIENCY

Tactically Responsive Space

★ TacRS
 Provide responsive warfighter space capabilities on demand to maintain space superiority through all phases of conflict



On-Orbit Servicing, Maneuver, & Debris Removal

★ Orbital Servicing
 Remove/Replace Payloads On-Orbit;
 Drive Common Standards;
 Commercial Refueling Capability



★ Orbital Maneuver
 Leverage commercial industry for on-orbit maneuvers;
 Small-launch to LEO, use on-orbit stages to higher altitudes



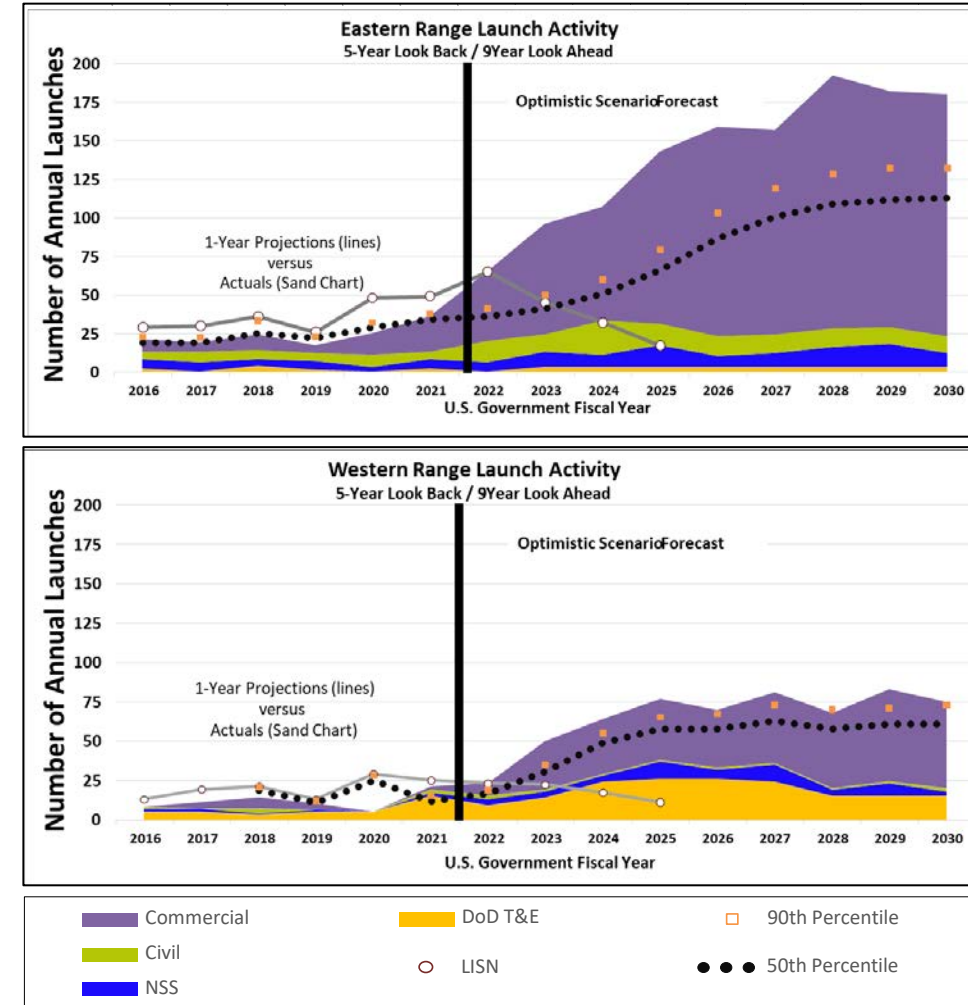
★ Debris Removal
 Engage and Energize Industry Solutions





Space Access: A Dynamic Landscape

- Revolution in spacelift underway (launch, range, acq)
 - Significant growth of Commercial Space Launch providers / launch rates / launch support activities
 - Commercial launch ~90% of launch manifests
 - 300% increase in launch rates projected by 2040
 - Expansion of space missions
 - On-orbit service and maintenance, moon base, tourism, etc.
 - Poised to support T&E and range activities alongside increased space launch requirements
- Automated Flight Safety System (AFSS): “the game changer”
 - Enables fundamental transformation of services and capacity
- Complementary changes in range acquisition
 - Tech/infrastructure/processes are outdated, difficult to OM&S





ROTF Overview

Vision: *“Preserve and advance national security interests through globally competitive Ranges with capacity to support launch and test operations on demand.”*

- Gen John “Jay” Raymond, USSF ROTF 2028 Strategic Intent

- Priority 1: Evolve Eastern and Western Range capabilities to support all phases of launch and test operations for multiple users simultaneously.
- Priority 2: Deliver streamlined, equitable access to Range resources while creating and improving upon public services and infrastructure at both the Eastern and Western Range.
- Priority 3: Transform Range Business Model to be agile and responsive to Commercial Space Industry while preserving DoD test capabilities.
- Priority 4: Evolve and integrate U.S. Space Force Ranges into national space transportation and commerce system.



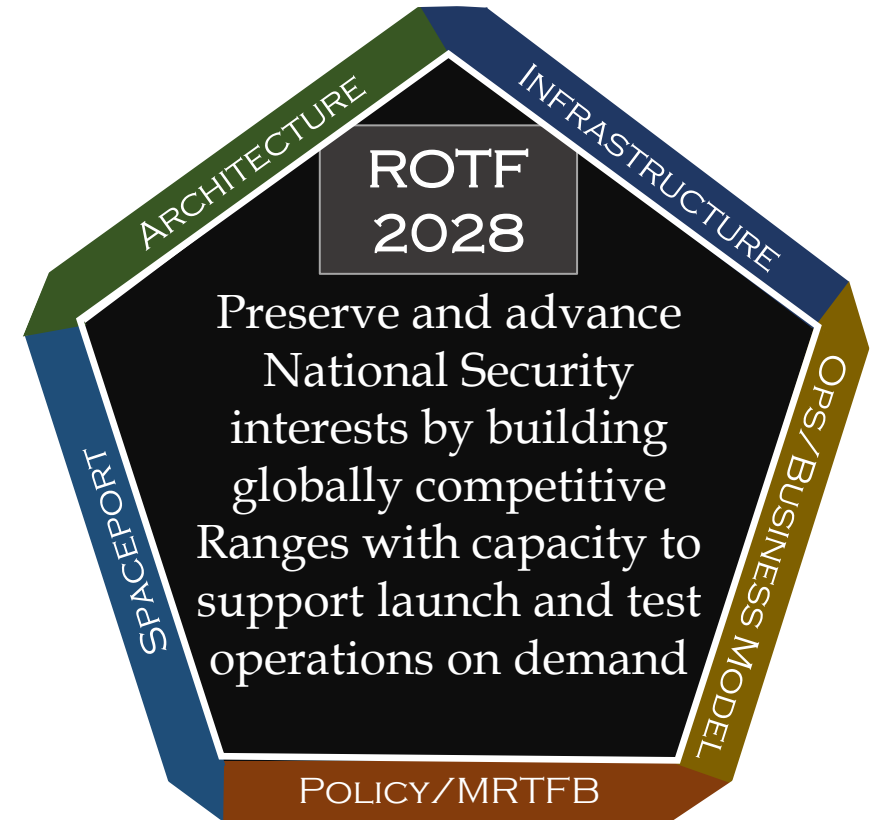
*Image from Google Image Search

The Time Is Now!

ROTF Lines of Effort/Focus Areas



Architecture	LTRS R&PC	<ul style="list-style-type: none"> – Implement comm upgrades – Provision PaaS & IaaS via RSHP – Plug-and-play based on use cases – Transition to DevSecOps delivery
Infrastructure	SLD 30/45	<ul style="list-style-type: none"> – Installation Planning and Roadmaps – Vehicle and Spacecraft Processing – Multi-user / maximize launch pads
Operations / Business Model	SLD 30/45	<ul style="list-style-type: none"> – LISC Follow-on – Consistent ER/WR Processes – Streamline Governance/Bureaucracy
Policy / MRTFB	SSC/S3	<ul style="list-style-type: none"> – AFSS Transition – Legislative Proposal – Policy changes (FMR, DoDI, etc.)
Spaceports	SSC/S3	<ul style="list-style-type: none"> – Interagency Planning Group – Management Structures



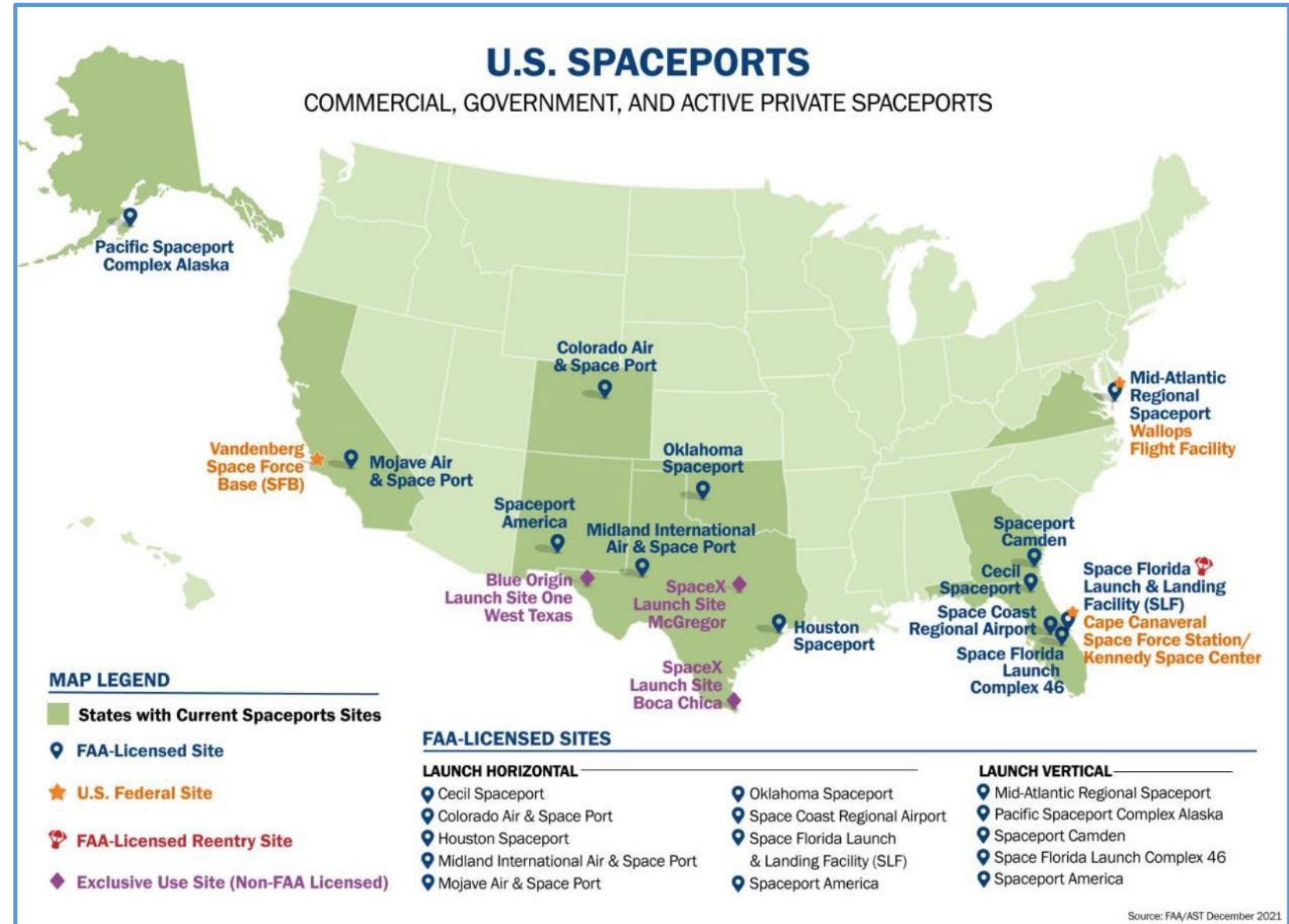
<p style="text-align: center;"><u>Senior Steering Group</u></p> <ul style="list-style-type: none"> – DS3, SLD CV-Os, Sr Aerospace Advisor – Monthly meetings, in-person quarterly, decisive vectors for ROTF IPTs, projects and emergent needs
--

Operate as a Single, Innovative Enterprise & Address Unique Customer Needs

Spaceports



- (U) In addition to the U.S. Spaceports shown at right, the forecasts also include FAA authorized launches from other U.S. and non-U.S. locations
 - Guam
 - Reagan Test Site
 - New Zealand
 - U.K.
 - Brazil
 - Japan
- (U) The forecast does not presently include any FAA authorized activity from the following:
 - Colorado Air & Spaceport
 - Oklahoma Spaceport
 - Midland International Air & Spaceport
 - SpaceX Launch Site McGregor
 - Cecil Spaceport
 - Spaceport Camden





Spaceport National/International Strategy

- National Spaceport Interagency Working Group
 - Consists of DoD, DoT, DoC, DoS, & NASA
 - Kicked off Feb 2022; Charter signed 2 Jun 22
 - National Spaceport Strategy document in development
- Two workshops held to draft strategy objectives
 - Rapidly evolving “in-space” economy
 - Space access demands (NSS, civil, commercial)
 - National & international interests, concerns, perceptions
- Spaceport Directors Council engagements
 - Dec 22 & Feb 23
- Engaging Global Spaceport Alliance CSF
 - Soliciting stakeholder input
- Leveraging strategy as gateway to international engagement/resiliency



Enable safest, most efficient network of launch & reentry spaceports in the world

ROTF Lines of Effort - Infrastructure



- Spaceport community in agreement: maintenance, sustainment, and modernization of infrastructure is biggest challenge
 - e.g. water, power, roads, bridges, wharfs
- Infrastructure funding:
 - Combined ER/WR infrastructure project list FY24-28 → \$1.268B - provided to OMB and SAC-D, per their request
- Space Vehicle (SV) Payload Processing Facility (PPF) throughput is significant challenge across commercial, civil and NSS customers
 - SLD 45 - Issued notice of availability for PPF land & in final stages of launch pad allocation strategy implementation for qualified launch providers
 - Evaluating pod based, mobile & small sat processing capabilities
 - Working with commercial providers to build additional capacity

Commercial Space Launch Act Bermuda Triangle



**Appropriations
Constraints**

Current construct from a time of limited commercial activity. Outmoded for environment of predominant commercial use.

Need statutory authority to operate in commercial-like manner matching industry cadence and capacity.

Demand

**Excess
Capacity**

**Infrastructure
Limitations**

Solution: Reliable, Predictable, Equitable Space Mobility

Space Launch Delta 45

PSFB / CCSFS / Ascension Island

Geography

15 million sq mi
 3 bases / 3 airfields
 PSFB – 2,002 ac
 CCSFS – 16,198 ac
 Ascension Island – 22,489 ac

CCSFS



8 cemeteries

103 sites



1,250 ac '21



413 Scrub Jays



3,831 nests '21



150 Ops '21



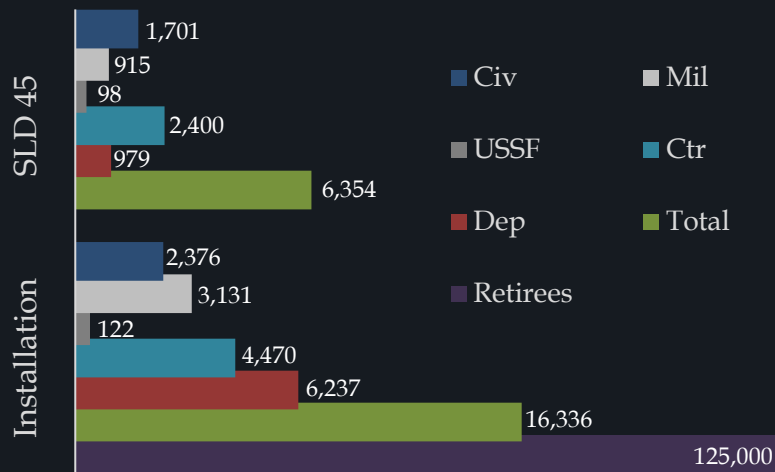
2,782 ac



150 yrs



Ascension Island



- Total Economic Impact: \$1.29B – 5,172 jobs/\$240K value
- First Space Force installation in the DoD
- Established First USSF Spark Cell – The Forge
- Host installation for over 70 mission partners



920th Rescue Wing
 Over 2,000 Airmen assigned
 More than 4,000 lives saved since 1956

Naval Ordnance Test Unit

Directly supports the Trident Submarines
 Operates the Navy Port at Port Canaveral



Air Force Technical Applications Center
 More than 1,000 personnel – to include 67 PhDs
 Operates global sensors monitoring nuclear detection

Defense Equal Opportunity Management Institute

Established in 1971 to foster positive human relations
 Over 50,000 graduates to date



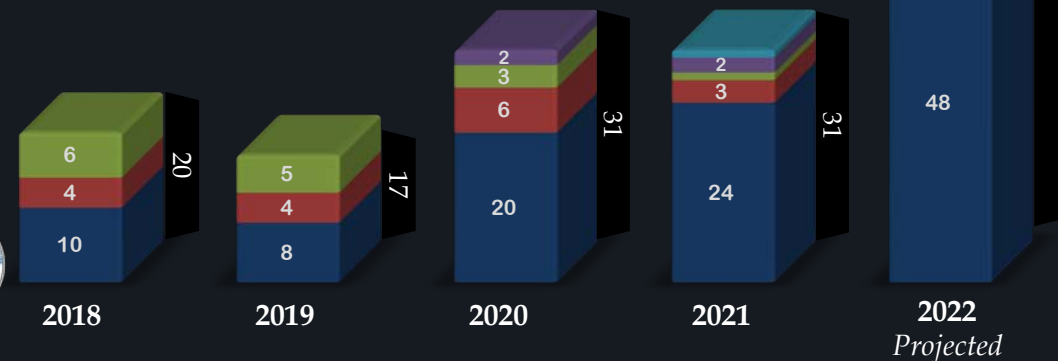
Mission '21

- 31 Space Launches
- 6 SLBM Launches
- 1,129 Satellites Launched
- 231 Requests to Launch
- 178 Approved Launches
- 45 Counts Entered



Eastern Range Launch Stats

- Short Notice/Unplanned
- Private Crewed
- NASA Crewed
- Civil
- NSS
- Commercial



PSFB



Complex 39A: SpaceX Falcon 9 (Crew Dragon); Falcon Heavy; Starship

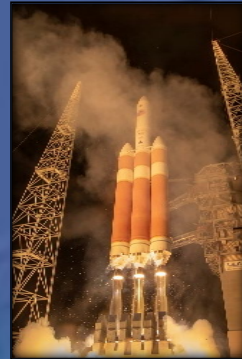
Complex 41: ULA Atlas V



Complex 40: SpaceX Falcon 9



Complex 37: ULA Delta IV Heavy



Landing Zone 1 & 2: SpaceX Landing Pad

Complex 46: Space Florida Multi-User Site



Atlantic: Navy Trident II*



Skid Strip: NGIS Pegasus

Complex 39B: **NASA SLS**

Complex 39A: SpaceX Falcon 9 (Crew Dragon); Falcon Heavy; **Starship**

Complex 48: NASA Multi-User Launch Pad

Complex 41: ULA Atlas V (CST-100; **Dream Chaser**)

Complex 41: **ULA Vulcan** (CST-100; **Dream Chaser**)

Complex 40: SpaceX Falcon 9

Complex 50: **VACANT**

Complex 37: ULA Delta IV Heavy

Complex 34: **VACANT**

Complex 20: Space Florida Multi-User Launch Pad, **Firefly Alpha**

Complex 19: **VACANT**

Complex 16: **Relativity Terran 1 and Terran R**

Complex 15: **VACANT**

Complex 14: **VACANT**

Landing Zone 1 & 2: SpaceX Multi-User Landing Pad

Complex 36/11/12: **Blue Origin New Glenn**

Complex 46: Space Florida Multi-User Launch Pad

Atlantic: Navy Trident II*

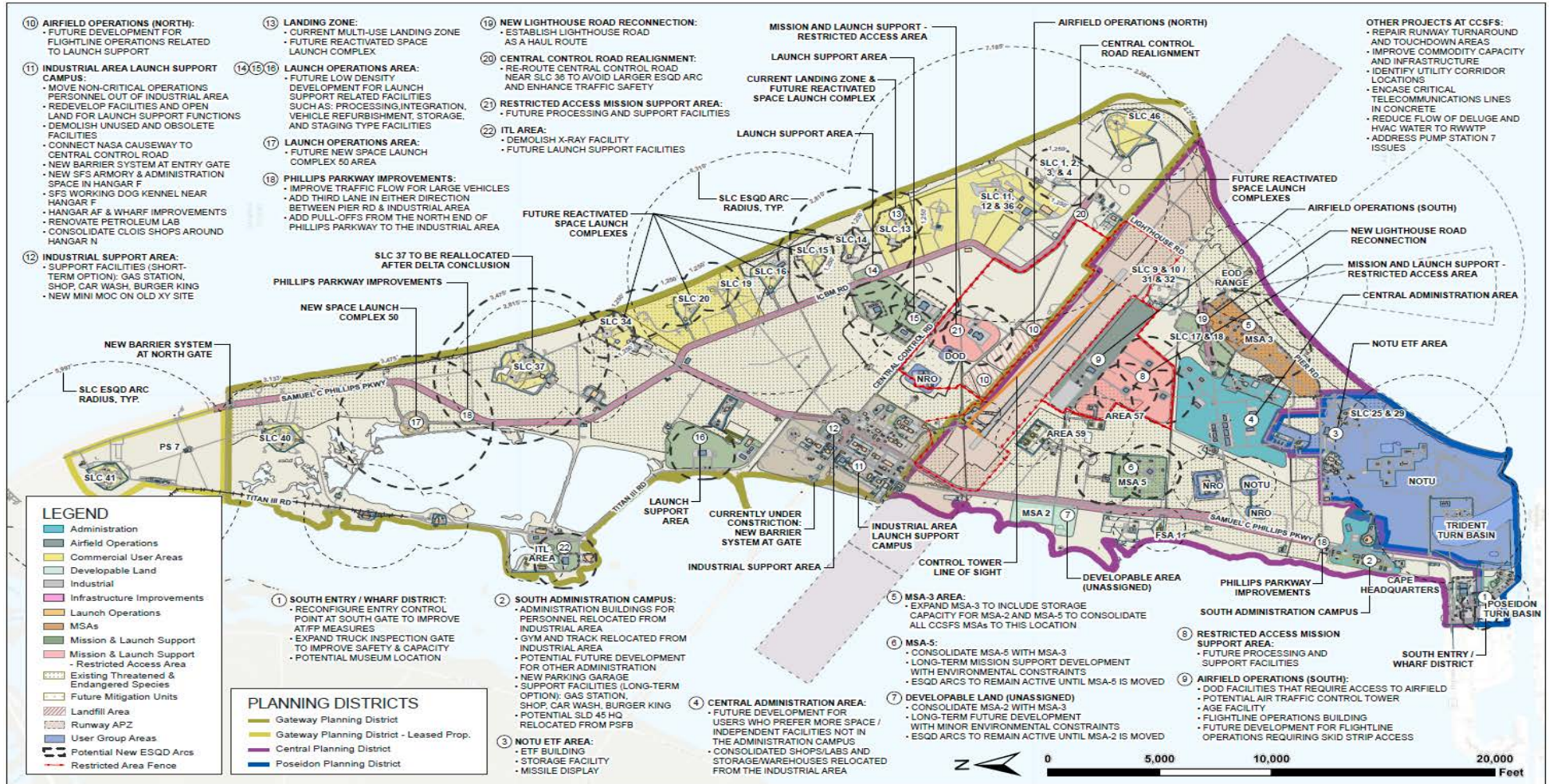
Black – current
 Blue – in work
 * – sub-orbital





Range of the Future Long Range Plan

SPACE LAUNCH DELTA 45



SET THE PACE FOR SPACE



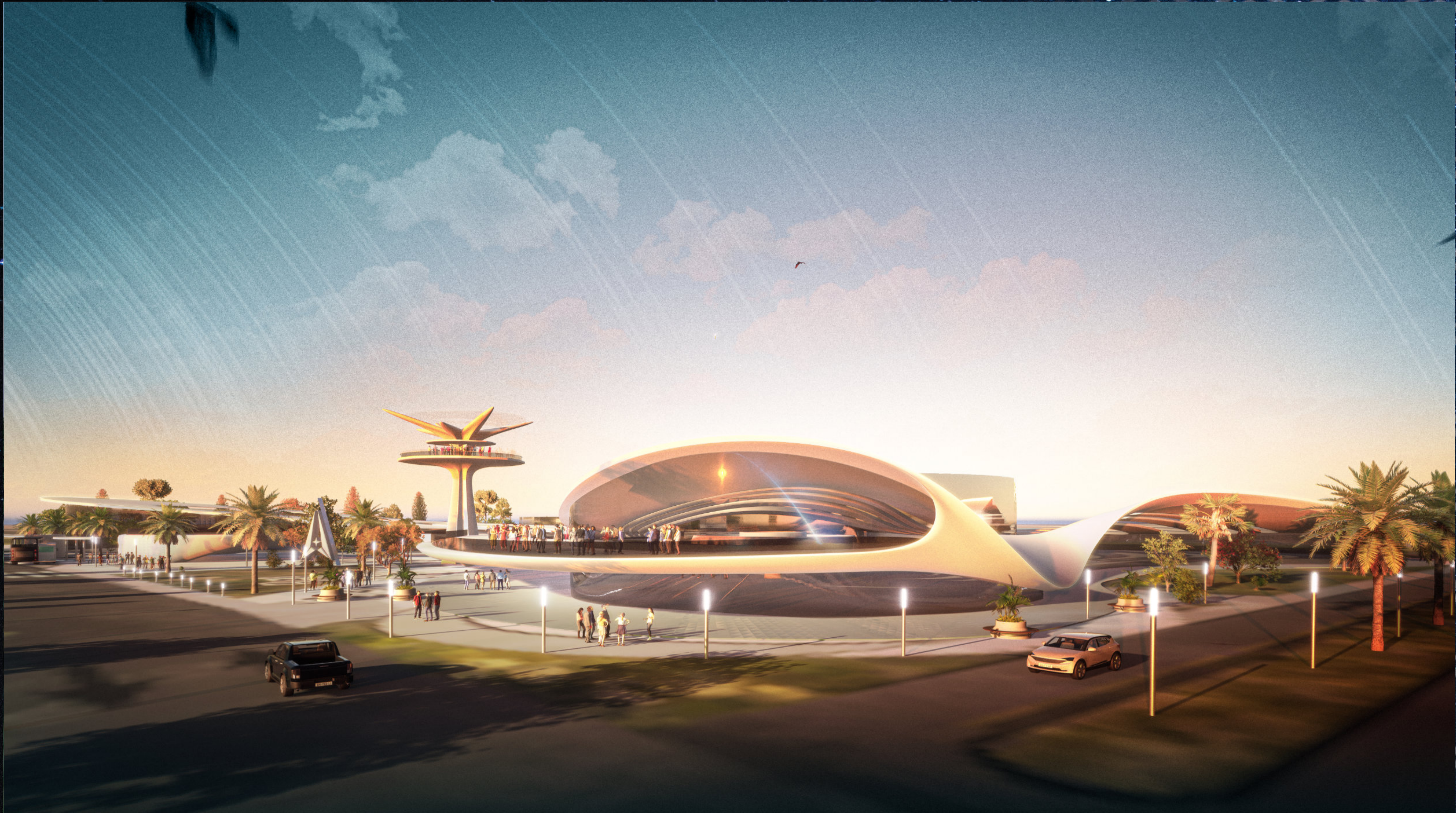
Vision

To create a USSF destination recognized on the world stage as the home of the most innovative experiences past, present, and future of the U.S. Space Force...

US SPACE FORCE EXPERIENCE

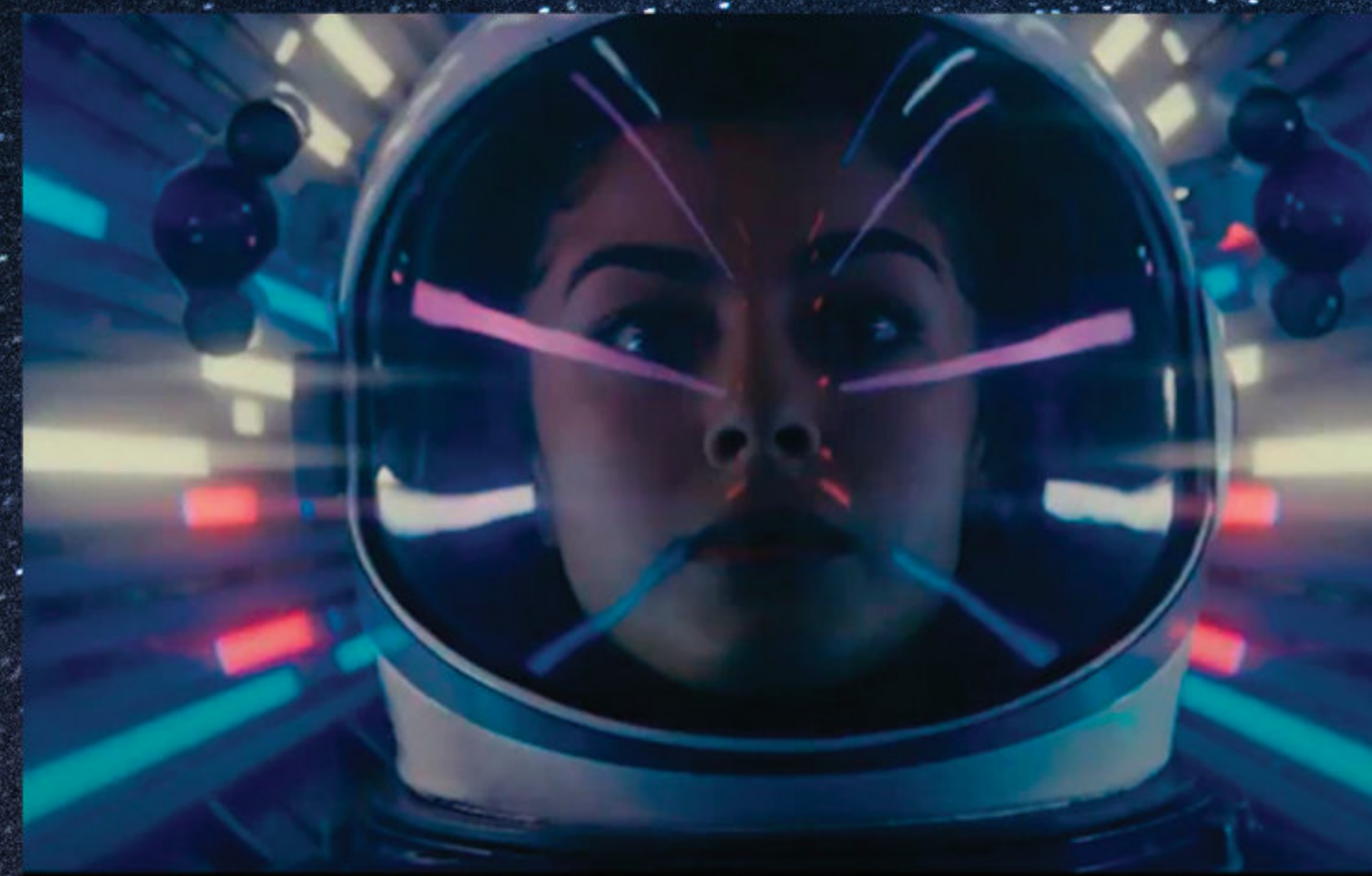
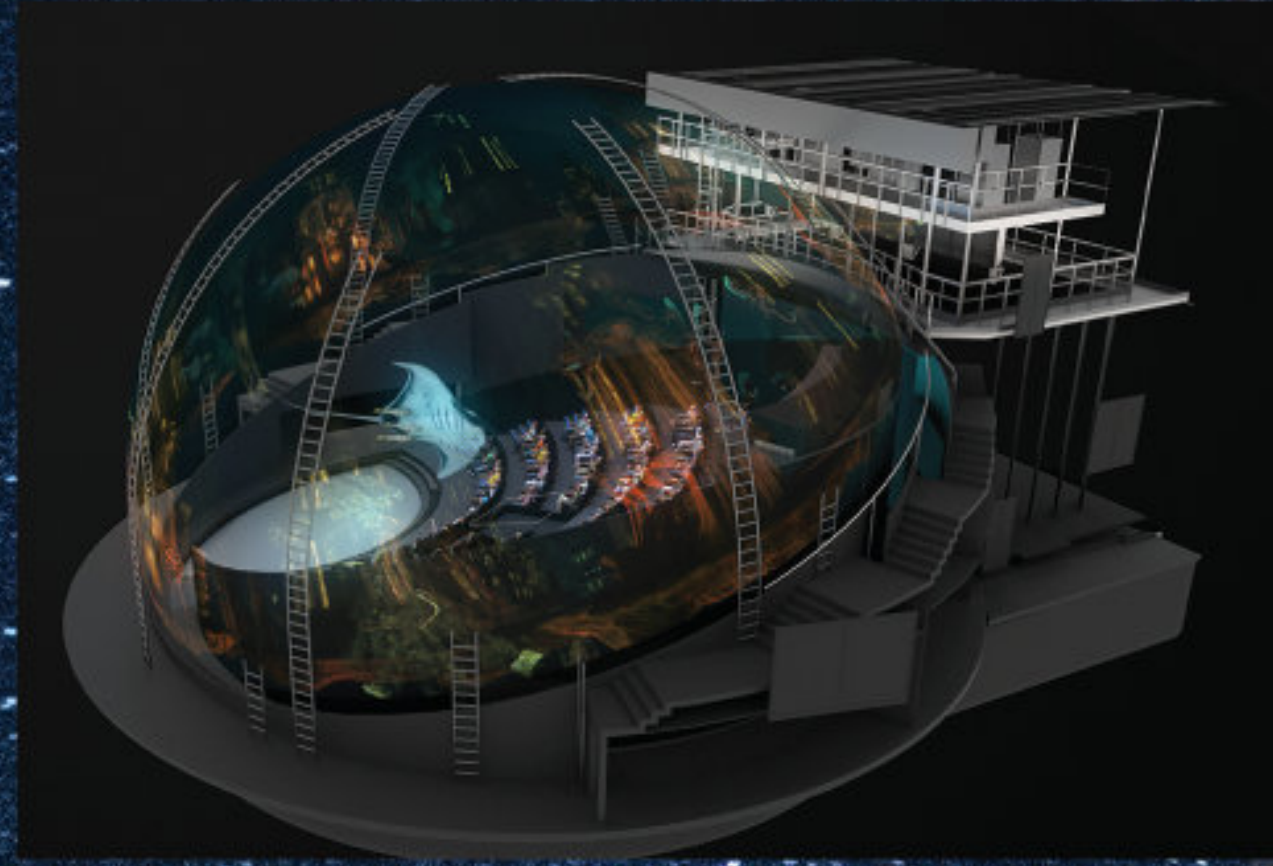
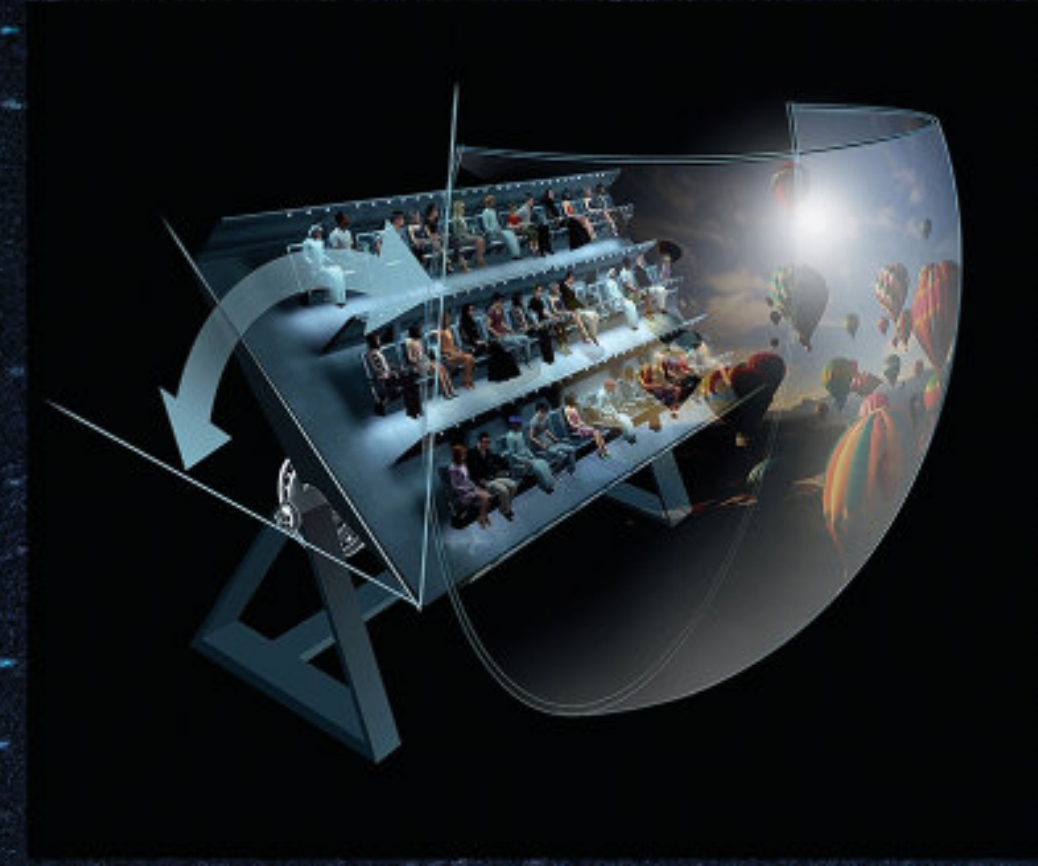
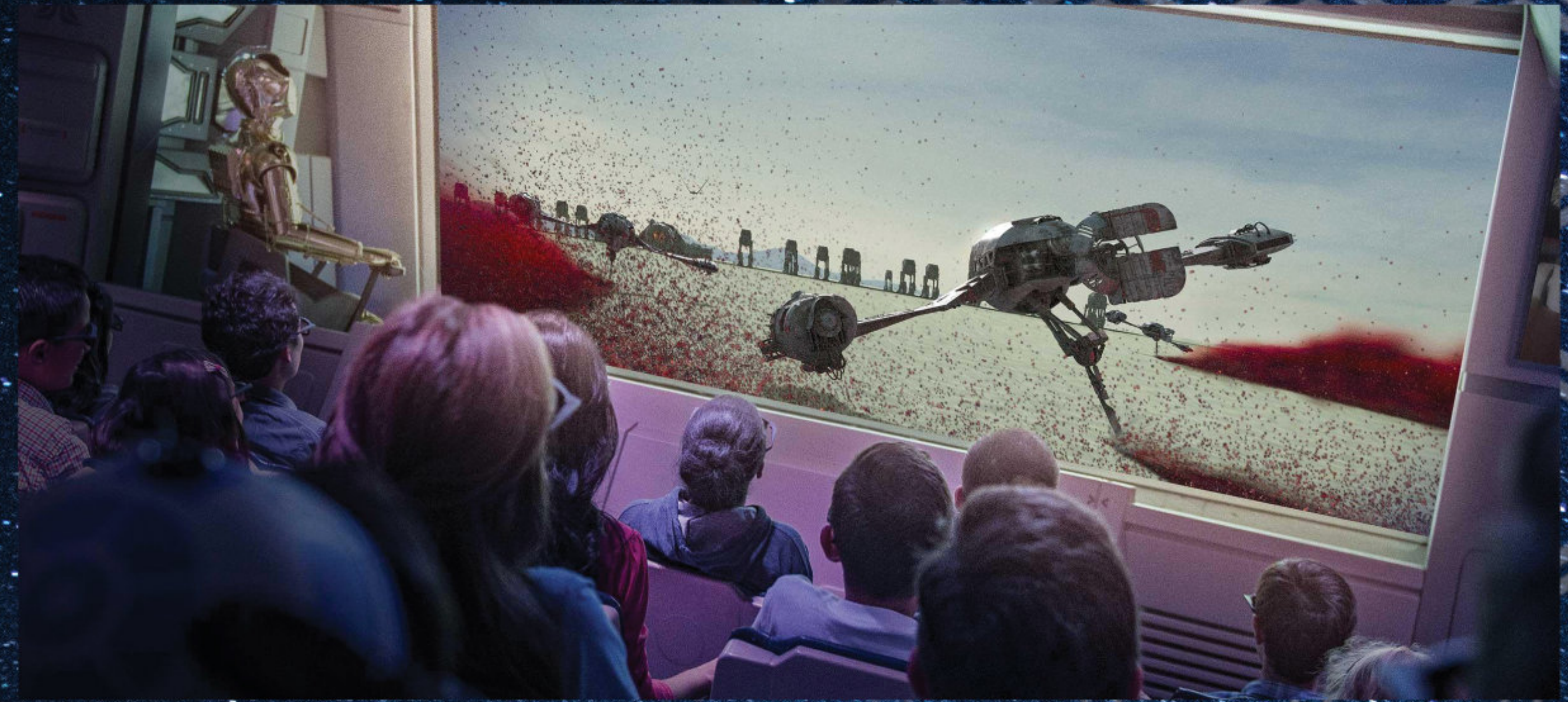


US Space Force Experience





Attraction Experiences





Space Florida STARCOM

17Nov22

FDSTF

Dale Ketcham

Organizational Structure



Assured
Access to
Space
PEO for AATS

SSC/S3

Launch & Range
- Ops & Rqmts
- Policy



- Base Operations
- Range Activity



- Base Operations
- Range Activity
- LTRS PM



- NSSL PM
- RSLP PM
- TacRL
- MMO



SPACE FLORIDA TARGET SITES





STARCOM Pursuit

Mission of STARCOM: “To prepare the USSF to prevail in competition and conflict through innovative education, training, doctrine, and test.”

Play to Florida strengths

- Quality of Life/Business Climate Issues
- Commercial Space Industrial Integration
- DOD Integration within Orlando MS&T Community
- Responsive Space-focused Infrastructure Support Industry
- MCO as a key strength
- Mission Focused Single Purpose Entity