



Florida Defense Industry Economic Impact Analysis 2022 Update

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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

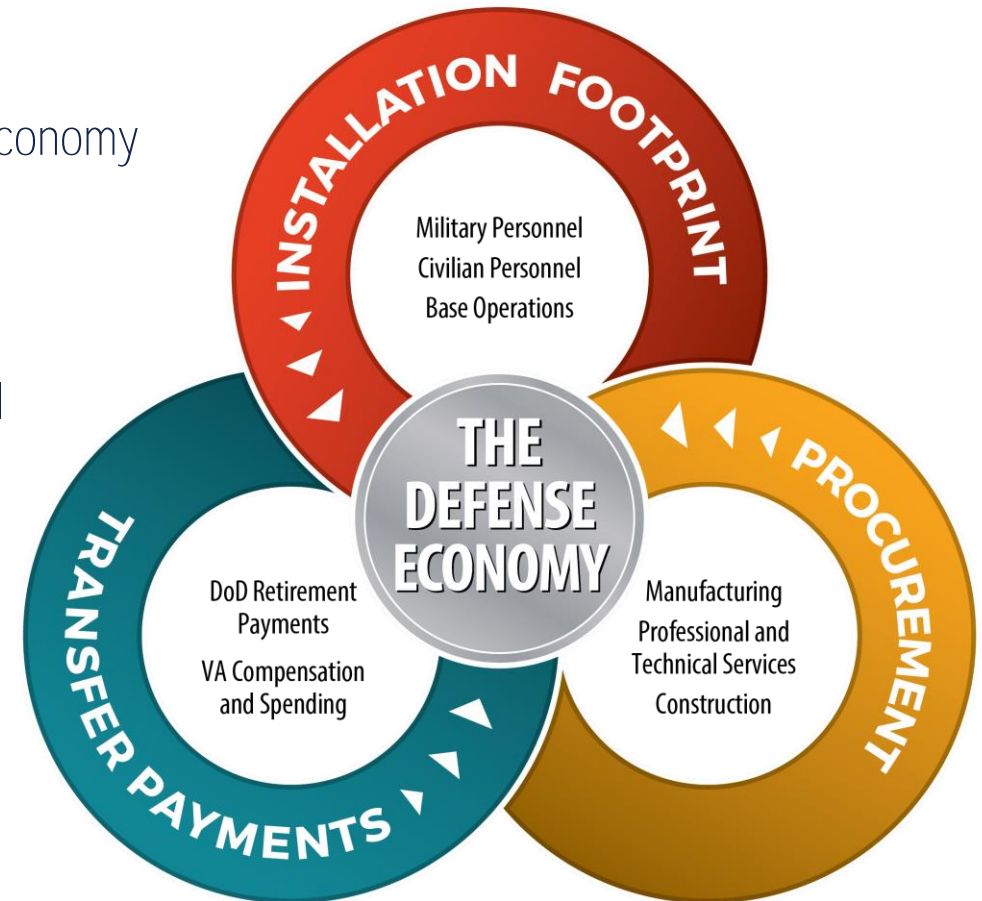
Defense Industry Economic Impact Analysis


➤ 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

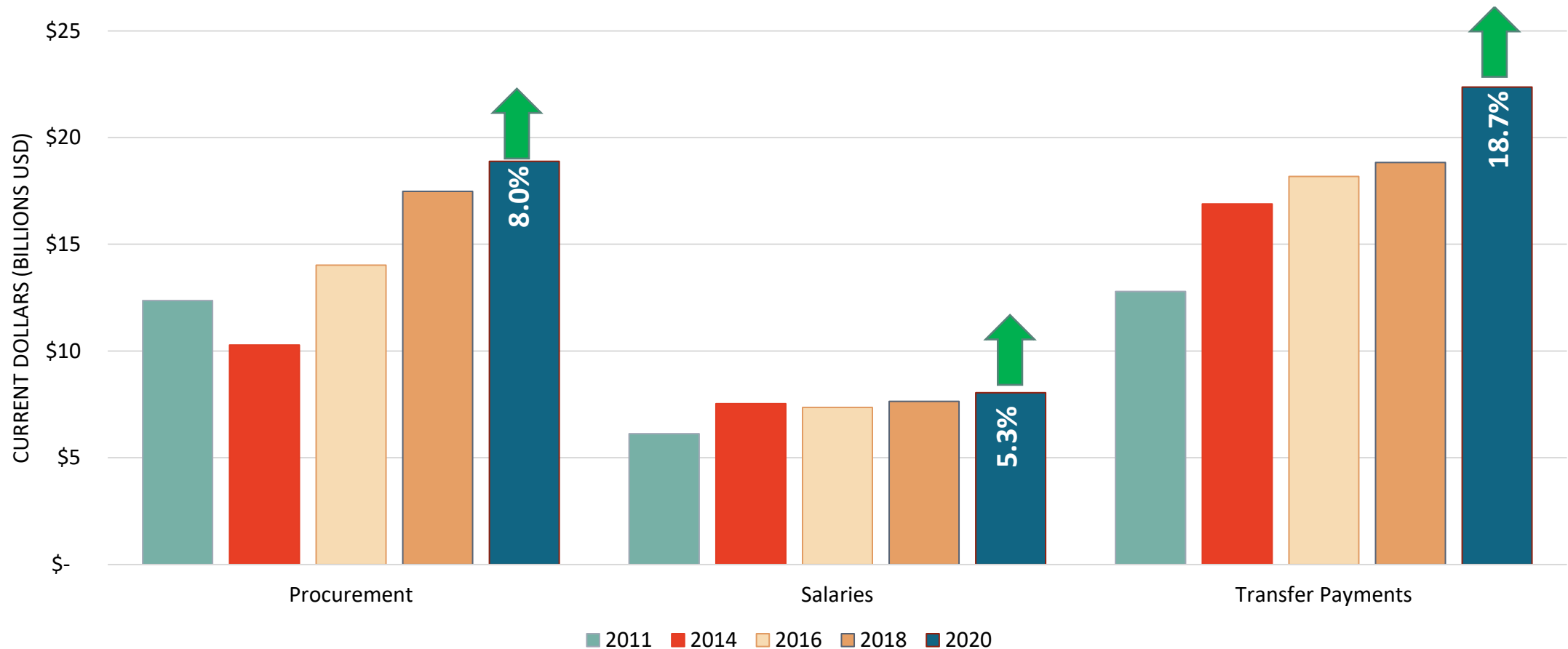




Florida Trends in Defense Spending

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



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%

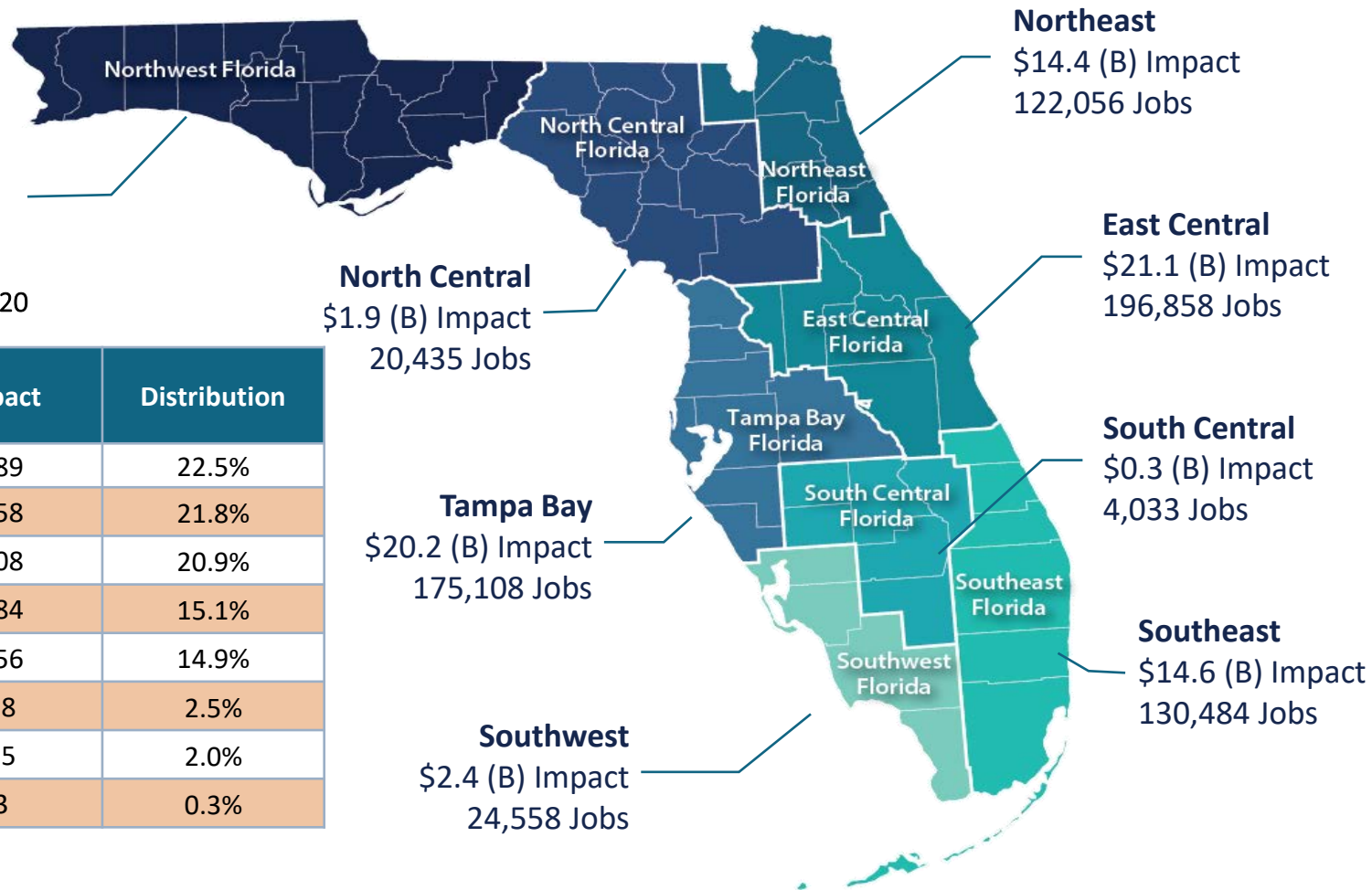
Source: REMI Pi+ Version 2.5.0 (build 5955)

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.



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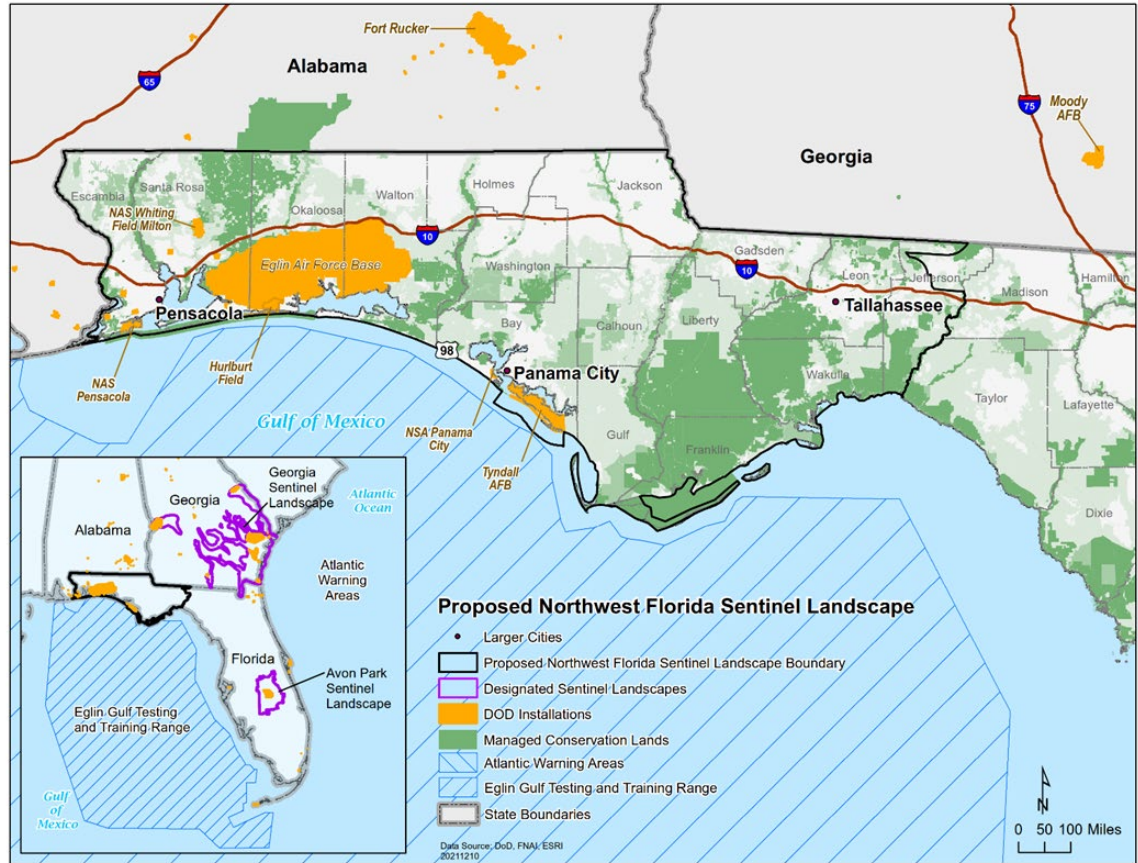
Northwest Florida Sentinel Landscape

**Kent Wimmer, AICP
Coordinator**

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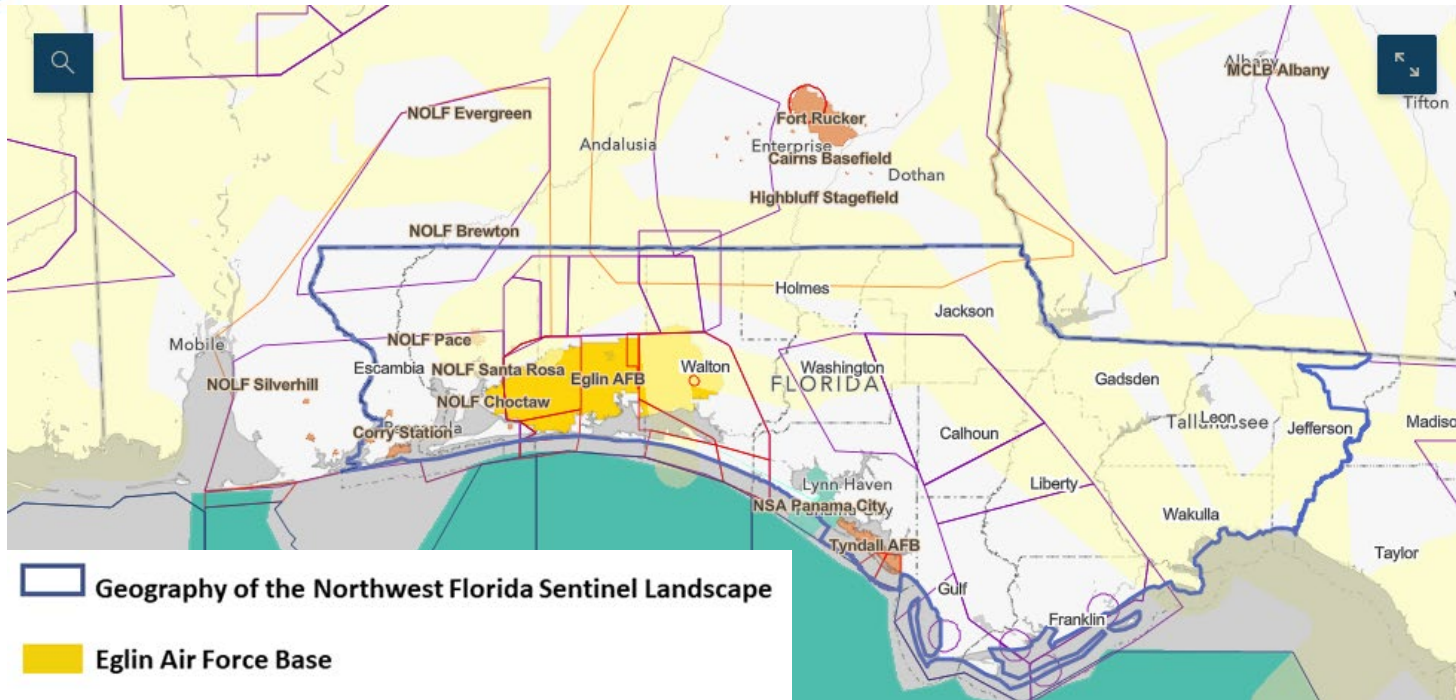
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Northwest Florida Sentinel Landscape



Visit the [NWFSL Resources page](https://sentinel landscapes.org/landscapes/northwest-florida) to access our factsheets, story map and web map application. <https://sentinel landscapes.org/landscapes/northwest-florida>

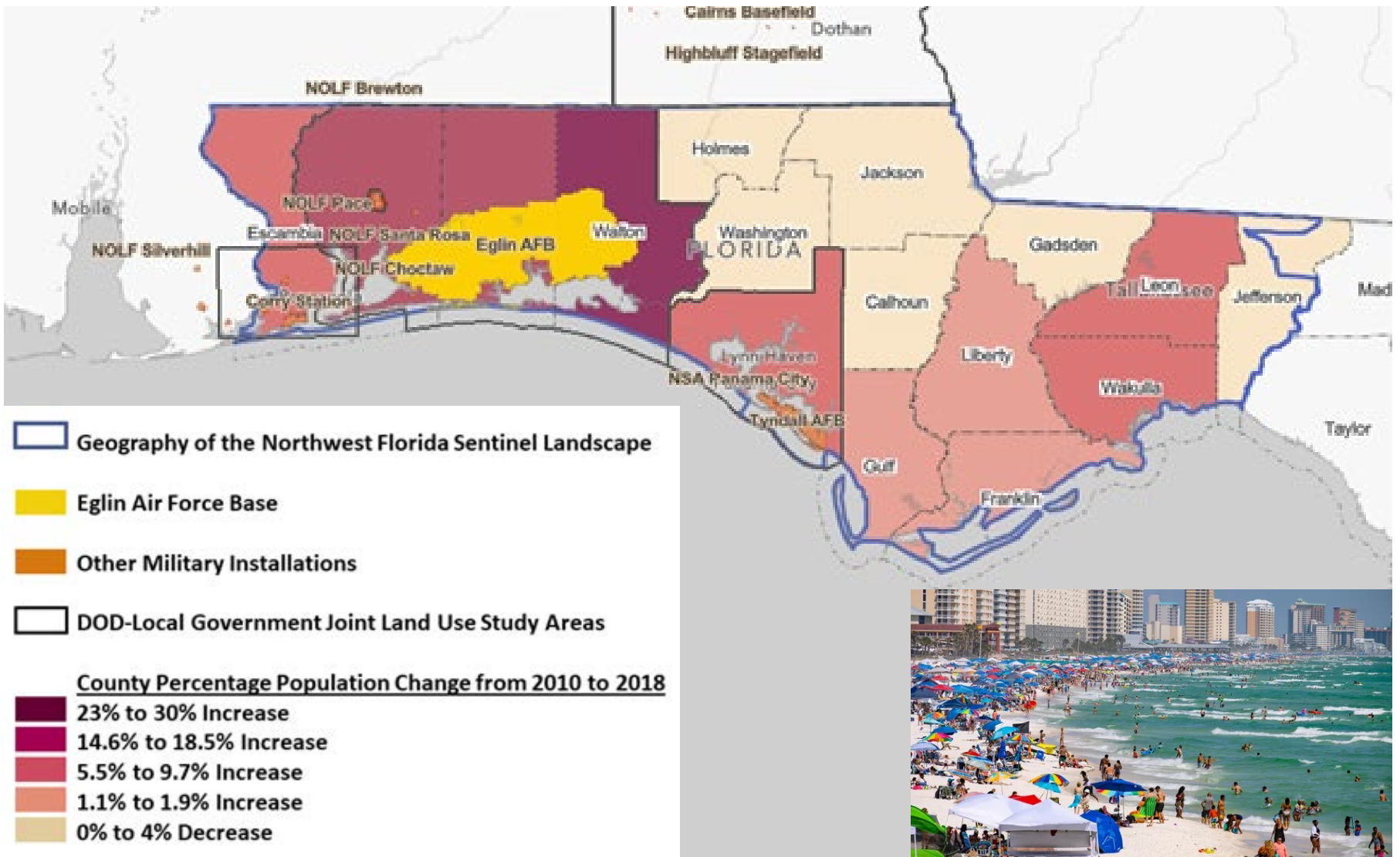
Supporting Military Readiness



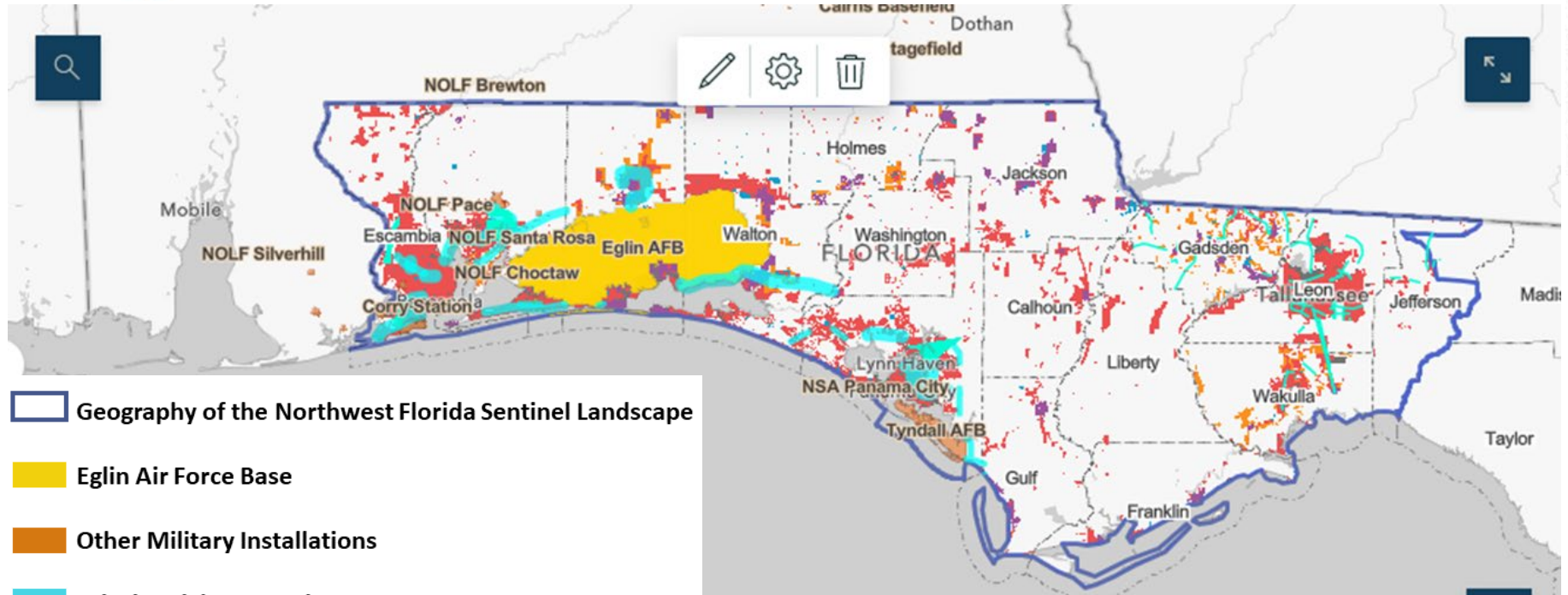
- Geography of the Northwest Florida Sentinel Landscape
- Eglin Air Force Base
- Other Military Installations
- Eastern Gulf of Mexico Testing and Training Range
- Military Operations Airspace
- Military Training Low Altitude Areas
 - Restricted Area
 - Military Operating Area
 - Warning Area
 - Alert Area










Challenges Facing Northwest Florida Population Growth



Challenges Facing Northwest Florida Transportation Systems for a Growing Population

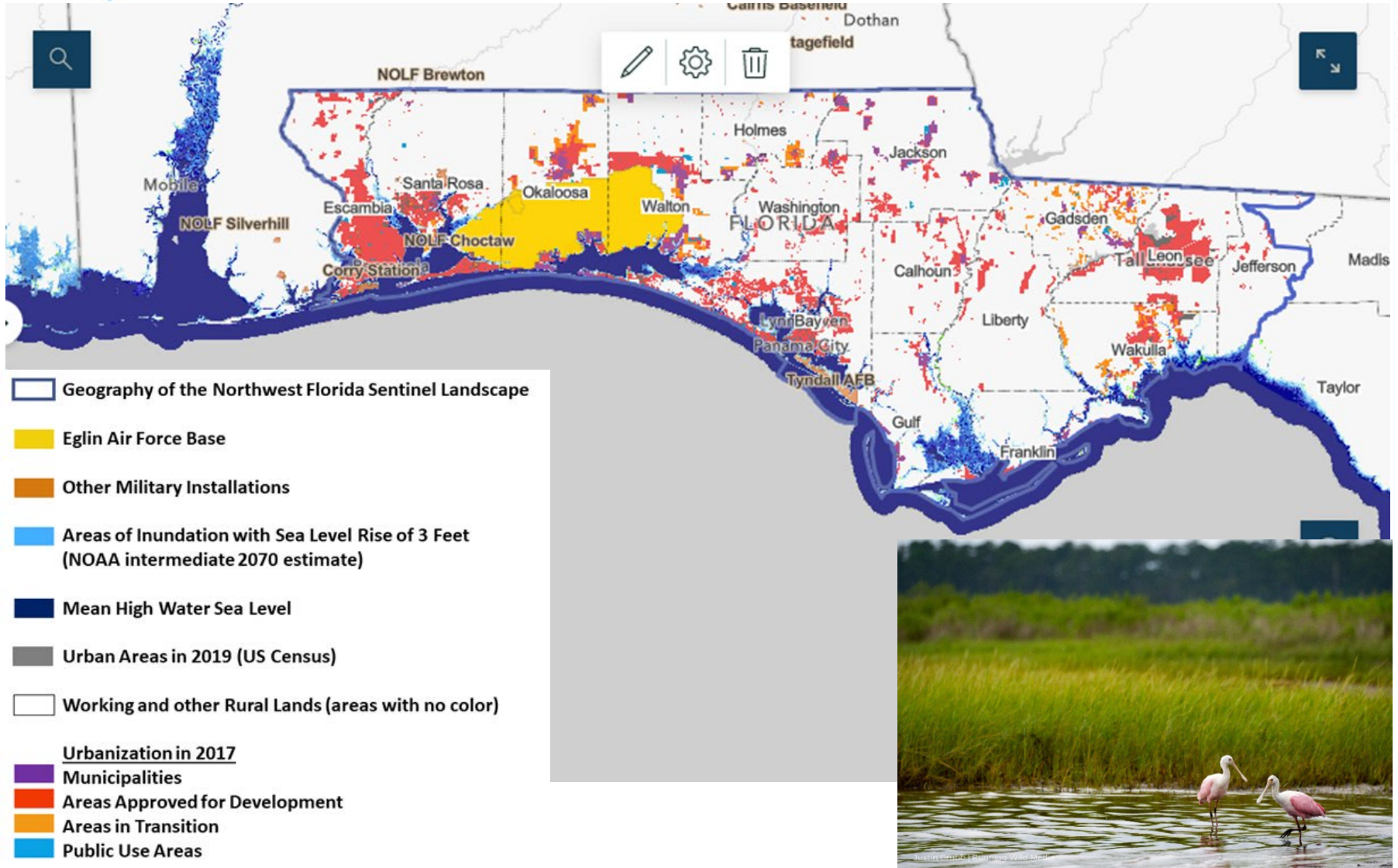


-  Geography of the Northwest Florida Sentinel Landscape
-  Eglin Air Force Base
-  Other Military Installations
-  Priority Highway Projects
-  Urban Areas in 2019 (US Census)
-  Working and Other Lands (areas with no color)
- Urbanization in 2017
-  Municipalities
-  Areas Approved for Development
-  Areas in Transition
-  Public Use Areas

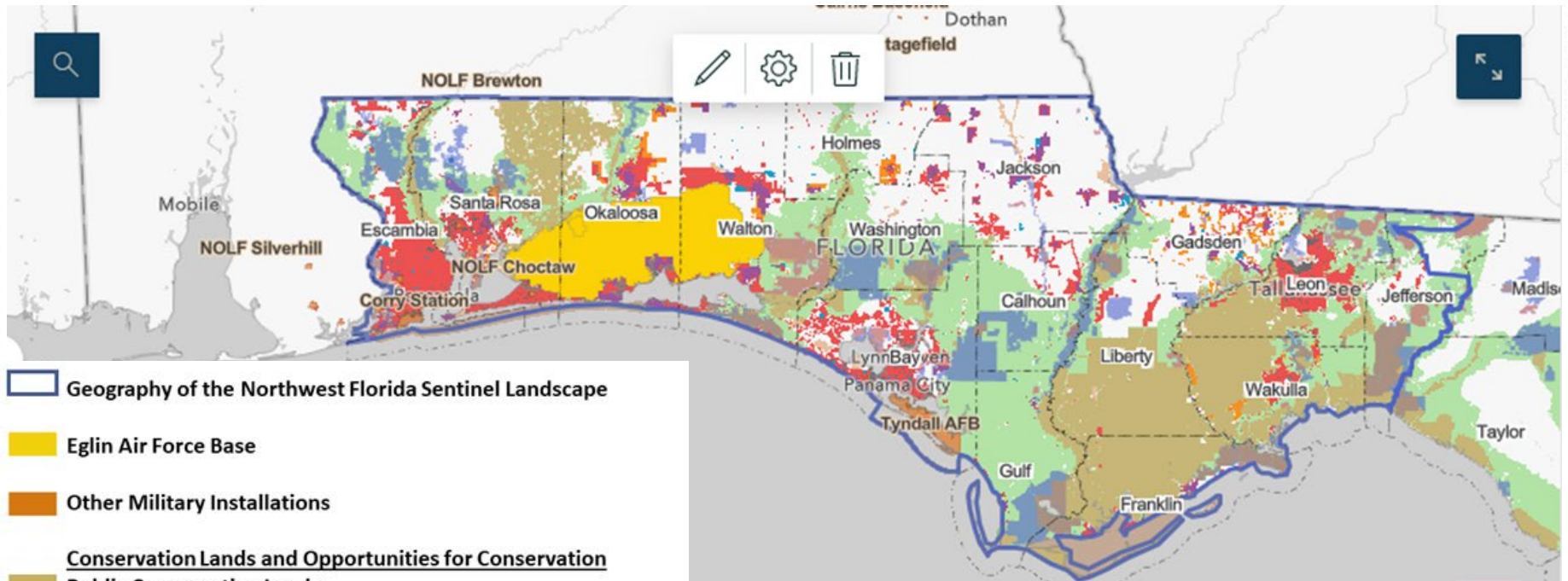


Challenges Facing Northwest Florida

Climate Change and Sea Level Rise



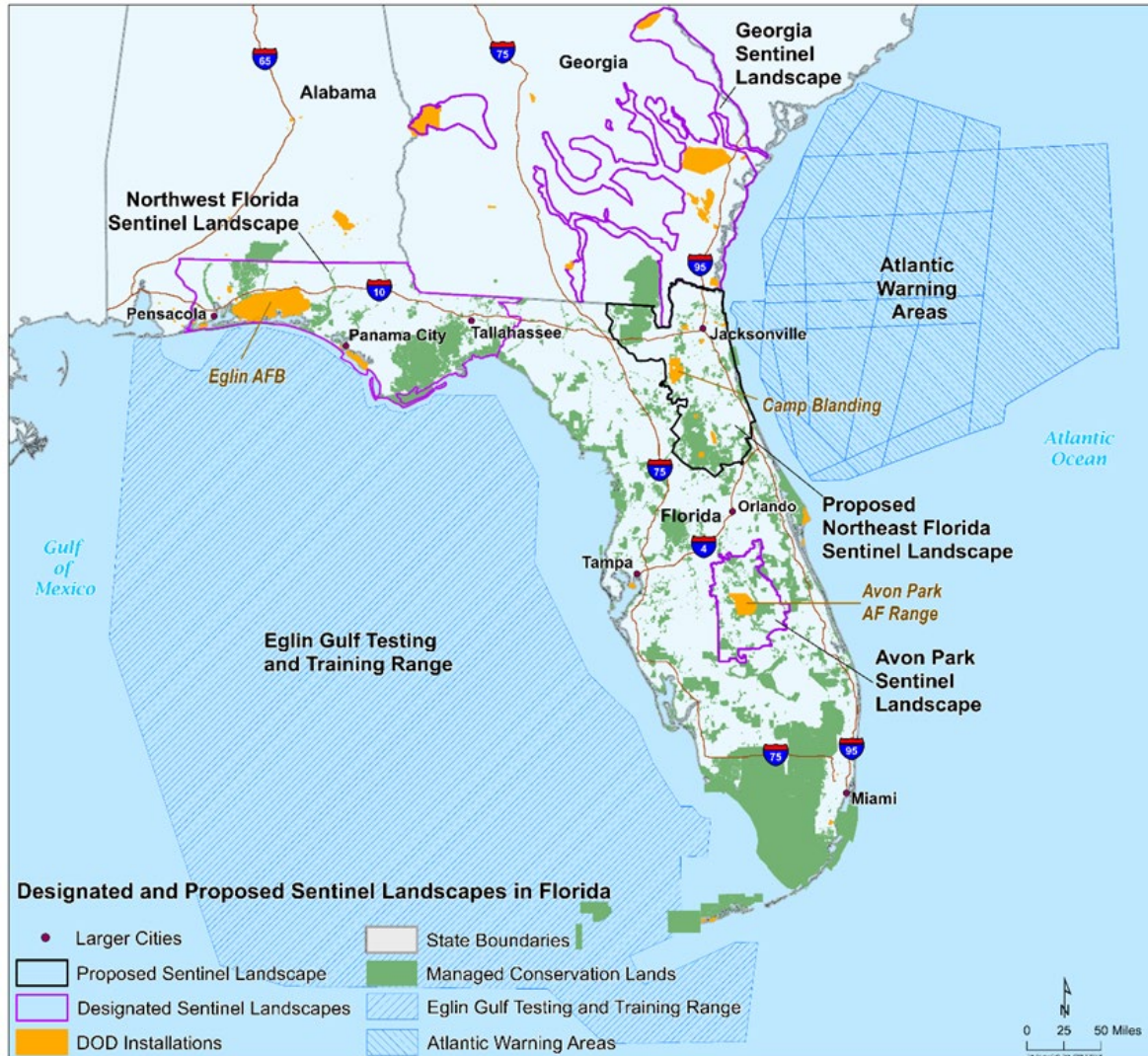
Conservation Lands and Opportunities for Conservation



- Geography of the Northwest Florida Sentinel Landscape
- Eglin Air Force Base
- Other Military Installations
- Conservation Lands and Opportunities for Conservation**
- Public Conservation Lands
- Private Lands with Conservation Easements
- Florida Forever Project Areas
- Florida Wildlife Corridor/Florida Ecological Greenway Network Priorities 1-3
- Urban Areas in 2019 (US Census)
- Urbanization in 2017**
- Municipalities
- Areas Approved for Development
- Areas in Transition
- Public Use Areas



Sentinel Landscapes in Florida MOU



Visit the [NWFSL Resources page](#) to download access the MOU, factsheets and online applications.

The following is a link to a Florida Defense Support Task Force video highlighting the Avon Park Sentinel Landscape and the Northwest Florida and proposed Northeast Florida Sentinel Landscapes: <https://tinyurl.com/r2cxkpw>

For More Information Contact

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America the Beautiful Challenge

Themes

1. Conserving and restoring rivers, coasts, wetlands and watersheds
2. Conserving and restoring forests, grasslands and other important ecosystems that serve as carbon sinks
3. Connecting and reconnecting wildlife corridors, large landscapes, watersheds and seascapes
4. Improving ecosystem and community resilience to flooding, drought, and other climate-related threats
5. Expanding access to the outdoors, particularly in underserved

America the Beautiful Challenge

DOI Funding: \$375M over 5 years for:

- ★ Implementation Grants ranging from \$1 million to \$5 million
- ★ Planning, Collaboration and Engagement grants of \$200,000 to \$1,000,000 for projects that enhance local capacity to implement future on-the-ground actions.

DOD Funding: \$25M over 5 years for:

- ★ Grants to Buffer and Benefit Public Lands ranging from \$250,000 to \$1.5 million that result in direct, on-the-ground conservation actions that benefit DoD facilities.

America the Beautiful Challenge

USFS Funding: \$25M over 5 years for:

Grants ranging from \$250,000 to \$1.5 million that result in direct, on-the-ground conservation actions that benefit National Forests for:

- ★ USFS lands focused on invasive species detection & removal
- ★ Water quality/fish passage on Tribal or federal lands

NRCS Funding: \$5M over 5 years for:

Grants ranging from \$200,000 to \$500,000 will support outreach and engagement with private landowners to advance voluntary conservation efforts on working lands that align with the NRCS Working Lands for Wildlife Framework.

America the Beautiful Challenge

For Information and to Apply Visit:

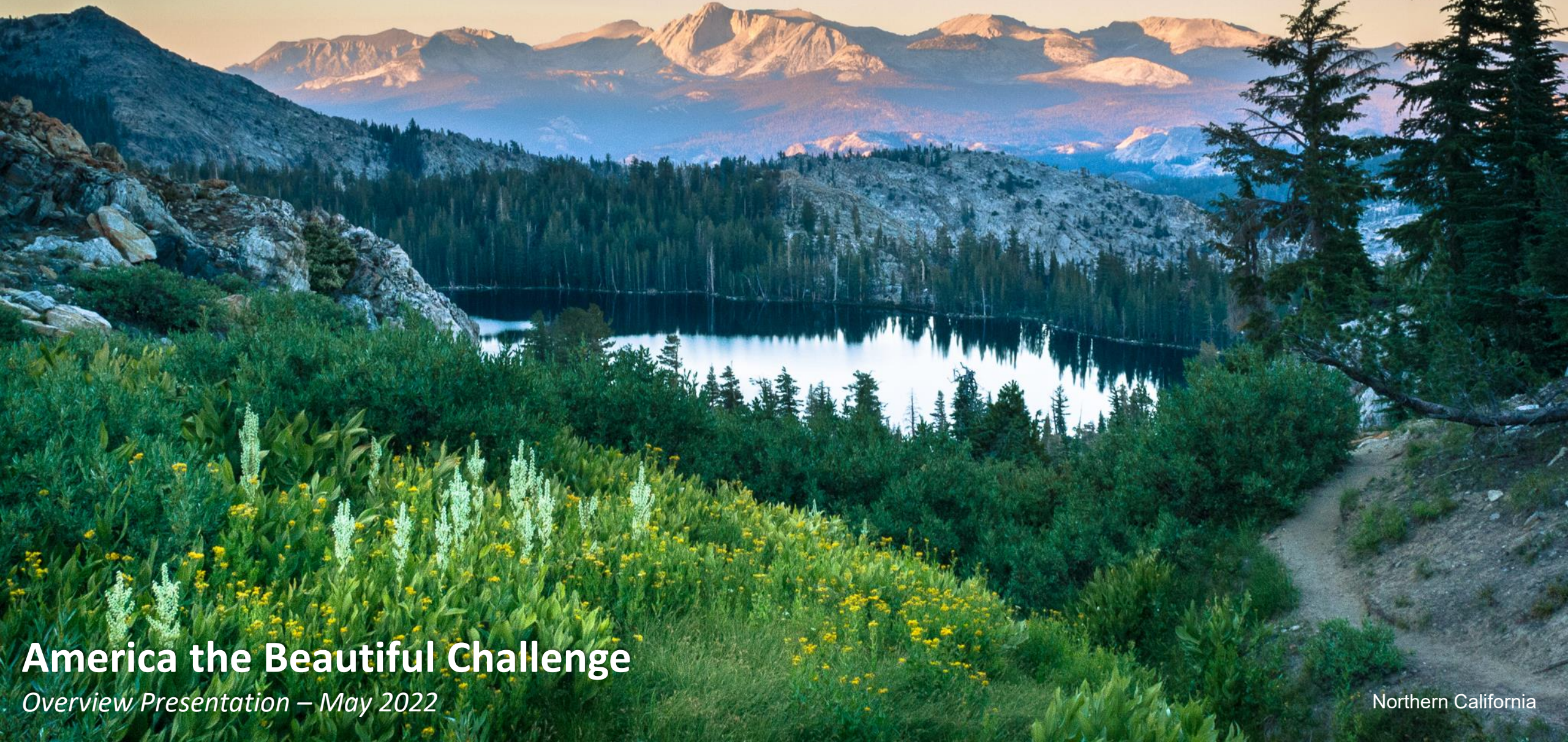
www.nfwf.org/challenge

Applicant Webinar: Thursday, May 19 2:00-4:00
PM Eastern.

<https://attendee.gotowebinar.com/register/5202734414284389387>

Full Proposal Due Date: Thursday, July 21

Awards Announced Early November



America the Beautiful Challenge

Overview Presentation – May 2022

About Us

Who We Are

- Chartered by Congress in 1984
- Independent 501(c)(3) organization
- 30 member Board appointed by Secretary of the Interior
 - Includes FWS Director and NOAA Administrator

What We Do

- Sustain, restore and enhance wildlife
- Bring collaboration among federal agencies and private sector

How We Do It

- Leverage public funding with private money – average 3:1



Bald eagle

NFWF is

- An implementer – we fund projects

NFWF is not

- An advocacy organization that engages in lobbying or litigation



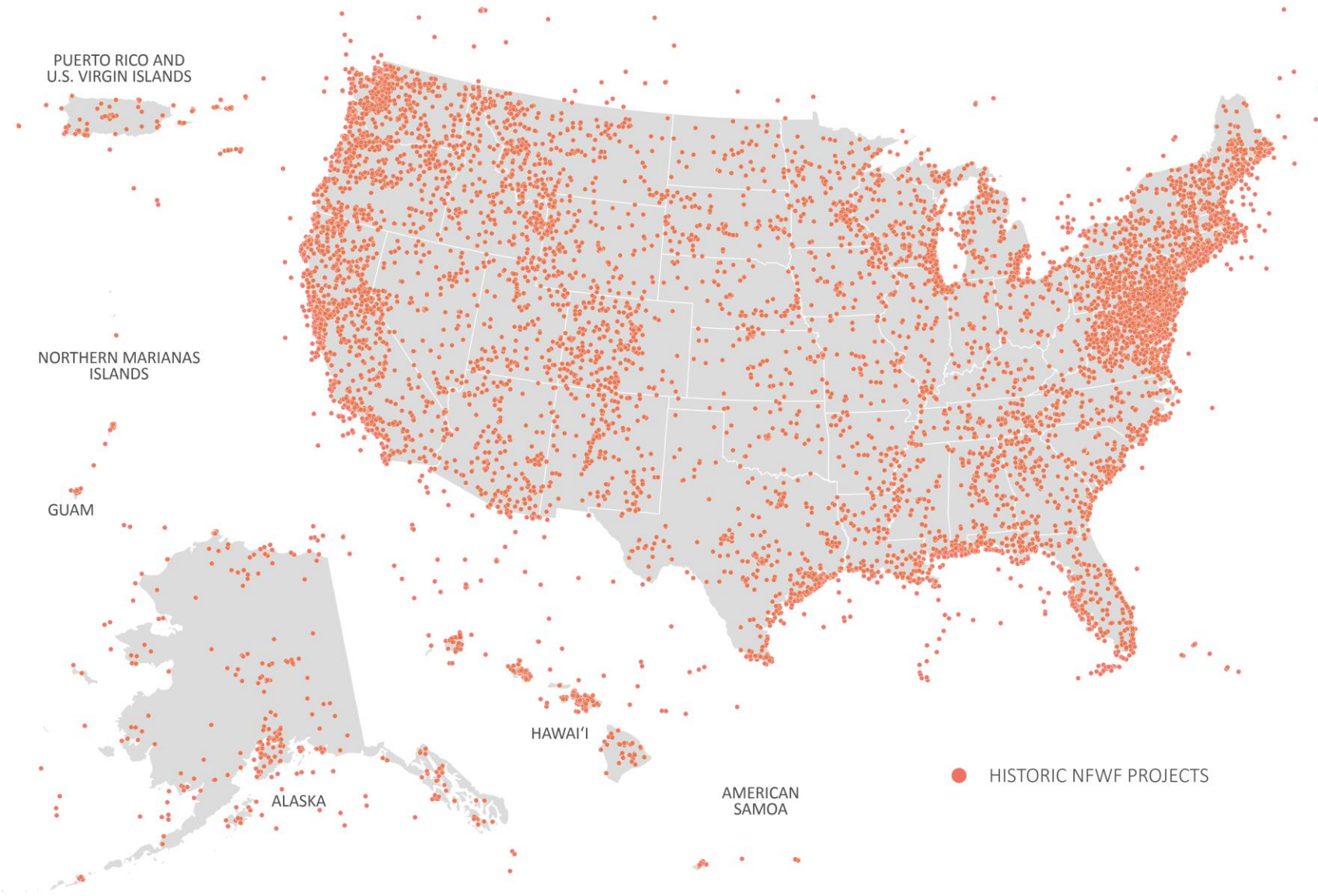
Public-Private Partnerships



5,000+ Implementing Partners



NFWF Conservation Investments (1984 – 2021)



- **20,422 Investments**
- **6,000+ Organizations**
- **All 50 states**



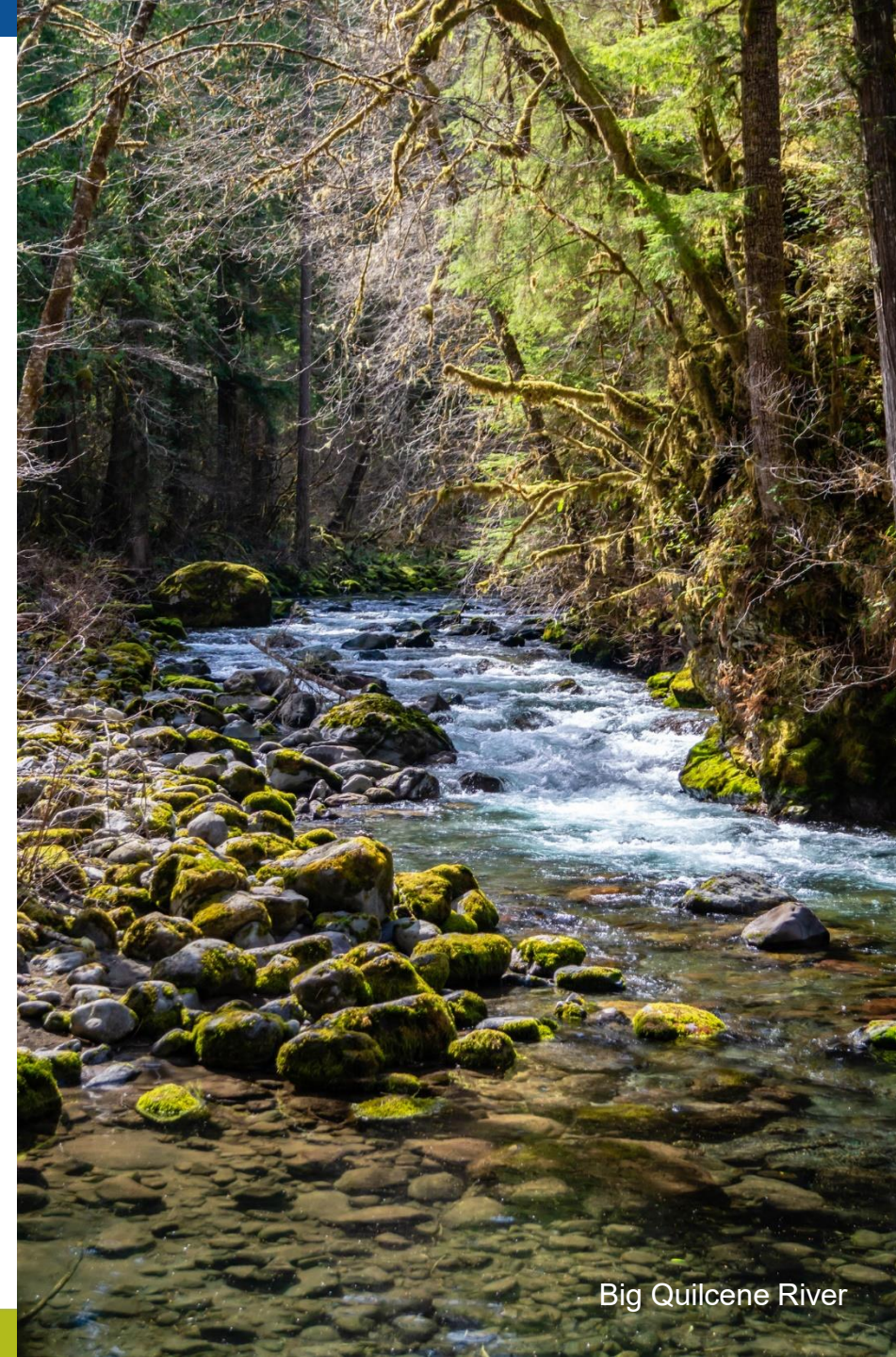
Why Develop Challenge Program

- Create a one-stop-shop to make it easier for implementers to access federal conservation funding from multiple agencies
 - Hopefully reducing barriers to entry
- Develop public-private partnerships to further leverage the federal investments
- Get infrastructure related conservation funding on the ground in an expedient manner
- Pool federal agency funding and expertise to support cross-boundary landscape scale restoration projects



America the Beautiful Themes

1. Conserving and restoring rivers, coasts, wetlands and watersheds
2. Conserving and restoring forests, grasslands and other important ecosystems that serve as carbon sinks
3. Connecting and reconnecting wildlife corridors, large landscapes, watersheds and seascapes
4. Improving ecosystem and community resilience to flooding, drought, and other climate-related threats
5. Expanding access to the outdoors, particularly in underserved communities



Big Quilcene River

America the Beautiful Cross-Cutting Connections

- Large-Scale and cross-boundary projects
- Advance existing landscape conservation plans or projects that are informed by Indigenous Traditional Knowledge
- Support goals of Justice 40 Initiative
- Contributes to local or Tribal economies
- Nature-based carbon sequestration
- Development of a restoration workforce (engaging youth)



Current Funding Priorities



Funding: \$375M over 5 years

Eligible: States, territories, and Tribes

Geographic Focus: National

- 1. Implementation Grants:** Grants ranging from \$1 million to \$5 million will be awarded to implement projects that address the program priorities on public, Tribal, and/or private lands. Partnerships with NGOs and localities through subawards are encouraged.
- 2. Planning, Collaboration and Engagement:** Grants of \$200,000 to \$1,000,000 will be awarded for projects that enhance local capacity to implement future on-the-ground actions through community-based assessments, partnership building, project design, and other technical assistance-oriented activities. Projects in this category should include multiple partners, be at a significant scale for the landscape/watershed/seascape, clearly demonstrate how efforts will lead to implementation projects, and be completed within approximately one year of award.

Current Funding Priorities Continued



Funding: \$25M over 5 years

Eligible: Non-profits, local, municipal governments, and educational institutions

Geographic Focus: Sentinel Landscapes, Pacific, or off-base species/habitat goals



Funding: \$25M over 5 years

Eligible: Non-profits, local, municipal governments, and educational institutions

Geographic Focus: USFS lands focused on invasive species detection & removal

Funding: \$10M over 5 years

Eligible: Non-profits, local, municipal governments, and educational institutions

Geographic Focus: Water quality/fish passage on Tribal or federal lands

- 3. Grants to Buffer and Benefit Public Lands:** Grants ranging from \$250,000 to \$1.5 million will be awarded for projects that result in direct, on-the-ground conservation actions that benefit National Forests and DoD facilities. Projects should be targeted toward outcomes identified in a conservation implementation plan.

Current Funding Priorities Continued



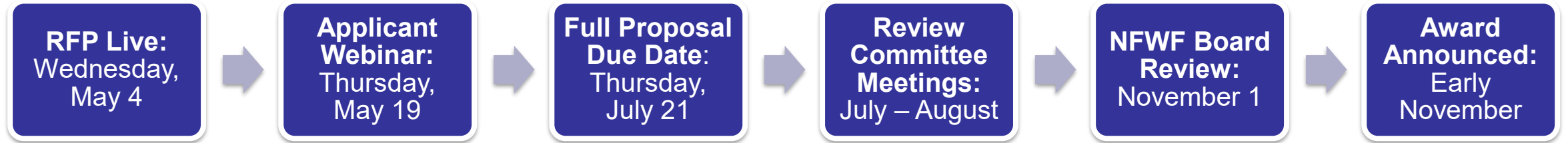
Funding: \$5M over 5 years

Eligible: Non-profits, local, municipal governments, and educational institutions

Geographic Focus: Private lands with a focus on implementing Working Lands for Wildlife Frameworks

4. Private Forests and Farmland Grants: Grants ranging from \$200,000 to \$500,000 will support outreach and engagement with private landowners to advance voluntary conservation efforts on working lands that align with the NRCS Working Lands for Wildlife Framework (e.g. sagebrush, grasslands, bobwhite quail, northeast turtles, golden-winged warbler).

Program Timeline



Matching Requirements

DoD Conservation and Restoration Funds

Recipient Type	Federal cost share	Non-federal cost share
All entities	100% of costs	Not required

DOI Conservation and Restoration Funds

Recipient Type	Federal cost share	Non-federal cost share
States	90% of costs	10% of costs, at least 2.5% must be cash
Indian tribes & territories	97% of costs	3% of costs, at least .75% must be cash

NRCS Technical Assistance Funds

Recipient Type	Federal cost share	Non-federal cost share
All entities	50% of costs	50% of costs

USFS Conservation and Restoration Funds

Recipient Type	Federal cost share	Non-federal cost share
All entities	80% of costs	20% of costs

Additional Information Or To Apply

Visit: www.nfwf.org/challenge

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National Fish and Wildlife Foundation Announces Request for Proposals for the Biden-Harris Administration's America the Beautiful Challenge 2022

MAY 04, 2022 • PRESS RELEASES

New Public-Private One-Stop Shop Eases Access to Grants and Will Deliver Landscape-Scale Impact

First Round of Funding Will Award up to \$85 Million in Grants, Boosted by President Biden's Bipartisan Infrastructure Law for Local Conservation and Restoration Projects

Today, the National Fish and Wildlife Foundation (NFWF) [announced the release of the 2022 Request for Proposals \(RFP\) for the Biden-Harris Administration's America the Beautiful Challenge](#), which leverages Federal conservation and restoration investments with private and philanthropic contributions to accelerate land, water, and wildlife conservation efforts across the country. A Congressionally-chartered entity, NFWF has nearly 40 years of experience in developing and managing competitive grant programs, including restoration efforts on the Gulf Coast following the BP oil spill.

Last month, the White House Council on Environmental Quality (CEQ), Department of the Interior (DOI), Department of Agriculture (USDA), and the Department of Defense (DOD) announced the America the Beautiful Challenge, which is a new public-private grant program administered by NFWF. The America the Beautiful Challenge will leverage Federal conservation and restoration investments to raise additional philanthropic and private support, with the goal of directing at least \$1 billion in grants to accelerate land, water, and wildlife conservation efforts across the country over the next five years.

The RFP announced today will offer states, Tribes, territories, local groups, non-governmental organizations, and others the opportunity to apply for multiple grant programs through a single application that is managed by NFWF. This one-stop-shop solicitation will streamline the grant application process and facilitate the coordination of funding for projects across landscapes, watersheds, and seascapes to achieve larger and more durable benefits on the ground.

This year, NFWF expects to award up to \$85 million in grants to support locally led ecosystem restoration projects that invest in watershed restoration, resilience, equitable access, workforce development, corridors and connectivity, and collaborative conservation, consistent with the [America the Beautiful Initiative](#). The historic Bipartisan Infrastructure Law is a major source of the initial Federal investments for the America the Beautiful Challenge. In addition, [24 philanthropic organizations](#), which currently invest \$250 million annually to address our country's biodiversity and climate crises, have committed to align their organizations' funding with the principles of the America the Beautiful Initiative and to support the new public-private partnership in expanding investment in conservation. The groups also thanked the President for his leadership and applauded the launch of the America the Beautiful Challenge.

Projects funded through the America the Beautiful Challenge will advance the principles underlying the America the Beautiful Initiative, as described in the [Conserving and Restoring America the Beautiful Report](#). During its first year, the America the Beautiful Challenge will seek to fund projects across the following themes:

- Conserving and restoring rivers, coasts, wetlands, and watersheds
- Conserving and restoring forests, grasslands, and other important ecosystems that serve as carbon sinks
- Connecting and reconnecting wildlife corridors, large landscapes, watersheds, and seascapes
- Improving ecosystem and community resilience to flooding, drought, and other climate-related threats
- Expanding access to the outdoors, particularly in underserved communities

Consistent with the Biden-Harris Administration's [commitment to honoring Tribal sovereignty and advancing equity for Indigenous people](#), applicants are encouraged to [prioritize projects that uplift Tribal and Indigenous-led efforts](#), and funding will be set aside specifically to support Tribal Nations' efforts, as well as those of territories.

In addition, NFWF will work to ensure that the effort is implemented in a manner that is consistent with the President's [Justice40 Initiative](#), as applicable. Furthermore, applicants are encouraged to consider how proposals build the conservation and resilience workforce of the future, through workforce development, utilizing national service, and partnering with relevant and accessible training opportunities, such as youth corps. Projects that develop the

restoration workforce, in particular with AmeriCorps and 21st Century Conservation Service Corps programs, are encouraged.

Proposals for the 2022 RFP for the America the Beautiful Challenge are due July 21, 2022, and funding will be awarded in November of 2022. The National Fish and Wildlife Foundation will provide the first of a series of [Applicant Webinars](#) on May 19th, 2022.

Chair Brenda Mallory is set to announce the 2022 RFP for the [America the Beautiful Challenge](#) while visiting the I-4 wildlife crossing in Polk City, Florida today. The Florida Wildlife Corridor falls under one of the major themes for projects that will be funded through the America the Beautiful Challenge: connecting and reconnecting wildlife corridors, large landscapes, watersheds, and seascapes. Chair Mallory will tour the site to see firsthand how the I-4 crossing will connect habitats in the area and learn about the collaborations and partnerships that are key to landscape-scale conservation.

Secretary Haaland will highlight investments from the America the Beautiful Challenge while visiting the Detroit River International Wildlife Refuge to celebrate the re-opening of the John D. Dingell, Jr. Visitor Center. Secretary Haaland will also outline the Department of the Interior's broader efforts to conserve and protect public lands and waters through collaborative efforts, connect people of all backgrounds with nature as outlined in the America the Beautiful Initiative, and implement investments from the President's Bipartisan Infrastructure Law.

“The America the Beautiful Challenge will help mobilize new investments in locally led, voluntary conservation and restoration projects across the country, while making it easier for communities to access these resources,” said White House Council on Environmental Quality Chair Brenda Mallory. “This new effort responds to the President’s call to all of us to do more to conserve our lands and waters for future generations and to ensure that every person in our country can experience the wonder of the outdoors.”

“With President Biden’s bold leadership, this first-ever national conservation goal draws upon our best values – including collaboration, science, and innovation – to help conserve and protect our lands and waters,” said Secretary of the Interior Deb Haaland. “The America the Beautiful Challenge offers an opportunity to support local efforts led by those who know, love, and have a stake in their surrounding landscapes. The Interior Department is proud to invest in a future where we can all work together to preserve our Earth for generations to come.”

“Collaboration with our state, Tribal, NGO and private working land partners is an essential part of USDA’s successful conservation programs. With strong partnerships we can more

effectively conserve our precious natural resources and lands and expand access to these national treasures for underserved communities. Enabling more efficient partner access to financial and technical assistance through this initiative will build on our progress and help fulfill the President’s promise to conserve our land and water for generations to come,” said Agriculture Secretary Tom Vilsack.

“The America the Beautiful Challenge meets a critical need as the Department of Defense is building diverse partnerships with local communities to sustainably manage landscapes and scale up climate resilience work. This increased access to federal funding will help our partners collaboratively advance conservation and climate adaptation goals that are key to sustaining military missions and national security imperatives,” said Mr. Paul Cramer, Performing the Duties of the Assistant Secretary of Defense for Installations, Energy and Environment.

“NFWF looks forward to working with states, Tribes, territories, and the conservation community to invest in voluntary conservation projects that support working lands, improve community resilience through nature-based investments, and enhance habitat for our nation’s fish and wildlife,” said Jeff Trandahl, executive director and CEO of NFWF. “This historic new initiative will drive conservation at a landscape scale by partnering with multiple agencies to create a single point of entry for potential grantees across the nation to apply for conservation funding.”

While not eligible for the single solicitation, additional investments totaling \$2.34 billion will be issued by USDA and the National Oceanic and Atmospheric Administration (NOAA) to fund projects that are consistent with the goals and recommendations of the America the Beautiful Initiative.

###



America the Beautiful Challenge 2022 Request for Proposals

Related Content

Webinar Registration

Tip Sheet

Full Proposal Narrative Template

DoD Sentinel Landscape Map

PDF Version

2022 REQUEST FOR PROPOSALS

Applicant Webinar: Thursday, May 19, 2022, 2:00 PM – 4:00 PM Eastern Time

Full Proposal Due Date: Thursday, July 21, 2022, by 11:59 PM Eastern Time

OVERVIEW

The National Fish and Wildlife Foundation (NFWF), through anticipated cooperative agreements from the Department of the Interior (DOI), Department of Defense (DoD), and the Department of Agriculture's U.S. Forest Service (USFS) and Natural Resources Conservation Service (NRCS), is pleased to announce the launch of the America the Beautiful Challenge (ATBC) 2022 Request for Proposals (RFP). The ATBC vision is to streamline grant funding opportunities for new voluntary conservation and restoration projects around the United States. This Request for Proposals is a first step toward consolidating funding from multiple federal agencies and the private sector to enable applicants to conceive and develop large-scale, locally led projects that address shared funder priorities spanning public and private lands.

In year one of the ATBC approximately \$85 million will be awarded in nationwide funding to advance the America the Beautiful Initiative and its goals to connect and

restore the lands, waters, and wildlife upon which we all depend. In the first year, ATBC will seek to fund projects across the following themes:

1. Conserving and restoring rivers, coasts, wetlands and watersheds
2. Conserving and restoring forests, grasslands and other important ecosystems that serve as carbon sinks
3. Connecting and reconnecting wildlife corridors, large landscapes, watersheds and seascapes
4. Improving ecosystem and community resilience to flooding, drought and other climate-related threats
5. Expanding access to the outdoors, particularly in underserved communities

Collectively, these themes allow applicants to develop landscape-level ATBC proposals that address conservation and public access needs that showcase cumulative benefits to fish and wildlife, carbon sequestration and storage benefits, engage with and benefit underserved communities, support community access to nature, and help safeguard ecosystems through conservation, resilience-focused and nature-based solutions.

Projects funded through the ATBC will advance the principles underlying the America the Beautiful Initiative, as described in the Conserving and Restoring America the Beautiful Report:

1. Pursue a collaborative and inclusive approach to conservation
2. Conserve America's lands and waters for the benefit of all people
3. Support locally led and locally designed conservation efforts
4. Honor Tribal sovereignty and support the priorities of Tribal nations
5. Pursue conservation and restoration approaches that create jobs and support healthy communities
6. Honor private property rights and support the voluntary stewardship efforts of private landowners and fishers
7. Use science as a guide

8. Build on existing tools and strategies with an emphasis on flexibility and adaptive approaches

GEOGRAPHIC FOCUS

ATBC is a nationwide program. Projects throughout the U.S., U.S. territories and Tribal Nations are eligible for funding. Projects can be on public lands, Tribal lands, and private lands, and ideally span multiple landownership boundaries. Locations will be prioritized where projects are guided by existing conservation plans as well as the program priorities listed below.

PROGRAM PRIORITIES

ATBC will prioritize proposals that implement voluntary large-scale, on-the-ground conservation activities or otherwise lead to on-the-ground implementation through capacity building, community engagement, planning and project design. The overarching goal is to advance existing landscape conservation plans and/or propose to knit together a diverse stakeholder partnership that develops and/or implements new conservation plans. As part of this, projects should address priority species and/or habitat conservation actions identified in existing plans or other species recovery or conservation plans.¹ Projects that are informed by Indigenous Traditional Knowledge (ITK) and promote Tribal co-stewardship are also encouraged.

Competitive proposals will increase interagency and intergovernmental collaboration and address more than one of the program priorities below.

- **Benefit At-Risk Fish, Wildlife and Plant Species.** Conserve and restore habitat to improve ecosystem function and biological diversity, as identified by conservation plans, ITK, or emerging information for priority fish, wildlife and/or plant resources, such as threatened and endangered species, species of greatest conservation need (including game species).
- **Expand Habitat Connectivity.** Conserve and restore priority habitat and stopover areas along key migratory routes; conserve, restore or improve fish passage;

conserve or restore lands and/or waters that are critical to habitat connectivity; or expand and enhance wildlife corridors that contribute to larger-scale conservation efforts (e.g., removing and right-sizing culverts, removing encroaching trees from grassland and sagebrush ecosystems, rehabilitating areas damaged by fire, treating exotic/invasive vegetation to improve habitat values, or voluntary conservation easements to strengthen habitat connectivity).

- **Provide a Range of Ecosystem Services.** Demonstrate and quantify a range of ecosystem services restored (e.g., improving stream flow for aquatic resources, watershed health, carbon sequestration, restoration of Tribal subsistence resources).
- **Strengthen Ecosystem and Community Resilience.** Conserve and restore natural systems that help ecosystems and/or communities respond to, mediate and recover from disturbances such as floods, wildfire, drought (e.g., enhancing a wetland to improve coastal resilience, invasive species prevention or removal to reduce wildfire risk, restoring fire resilient stand structure and species composition in fire prone forests, water conservation to address drought, expansion of wetlands to protect from flooding, grassland restoration to promote natural prairie ecosystems).
- **Expand Public and Community Access to Nature.** Create, improve or expand opportunities for public access and recreation, in particular for underserved communities that lack access to the outdoors, in a manner consistent with the ecological needs of fish and wildlife habitat. Projects should be conducive to high-quality recreational experiences, such as biking, birding, boating, fishing, hiking, outdoor education, cultural activities, hunting and wildlife viewing. Projects should be predominantly nature-based in application. Hard infrastructure, such as parking lots and visitor center amenities, are not eligible under this funding opportunity.
- **Engage Local Communities.** Applicants are encouraged to develop projects that incorporate outreach to communities, particularly underserved communities in accordance with the Administration's Justice40 initiative, foster community

engagement, and pursue collaboration with farmers, ranchers, Tribal Nations, states or other land managers to produce measurable conservation benefits. When possible, projects should be developed through community input and co-design processes, and incorporating ITK when possible. Additionally, projects should engage community-level partners (e.g., municipalities, NGOs, community organizations), as appropriate, to help design, implement, and maintain projects to secure maximum benefits for communities, maintenance, and sustainability post-grant award.

- **Support Tribally Led Conservation and Restoration Priorities.** Consistent with the Administration's commitment to honoring Tribal sovereignty and advancing equity for Indigenous people, applicants are encouraged to prioritize projects that uplift Tribal and Indigenous-led efforts. These efforts may include but are not limited to Tribal co-stewardship of federal or other lands, restoration of Tribal homelands, access to and/or restoration of sacred sites, and elevation of ITK.
- **Contribute to Local or Tribal Economies.** Implement conservation projects that, as a co-benefit, directly contribute to local economies and underserved communities. For example, projects could help expand tourism or recreational economies, promote regenerative agriculture, or contribute to working lands and/or community or Tribal forestry. Applicants are encouraged to estimate the economic benefits that are expected because of the project (e.g., number of jobs sustained or created).
- **Contribute to Workforce Development:** Develop the next generation of conservation professionals, including through support for national service, youth and conservation corps engaged in conservation and climate-related work. Projects that develop the restoration workforce, in particular with AmeriCorps and 21st Century Conservation Service Corps programs, are encouraged.

PROJECT METRICS

All applications will be completed in NFWF's online Easygrants system. To better gauge progress on individual grants and to ensure greater consistency of project data provided by multiple grants, the Easygrants application includes a list of standard metrics options for describing project impacts and reporting outcomes. We ask that applicants select **only the most relevant** metrics associated with the landscape level work being proposed from this list for their project (program metrics are shown in Appendix 1). If you think an applicable metric has not been provided, please contact Rachel Dawson (Rachel.Dawson@nfwf.org) or Sydney Godbey (Sydney.Godbey@nfwf.org) to discuss acceptable alternatives.

FUNDING AVAILABILITY, GRANT CATEGORIES, AND MATCH

Approximately \$85 million will be available for 2022, with four categories of grants, of which ATBC expects to award at least 10% for Tribal grants and 3% to U.S. territories. Funding is being provided to NFWF through cooperative agreements, or similar mechanisms, that allow for agency participation. **Funding in this RFP is contingent upon final execution of the agency awards to NFWF.** Please also refer to the specific Department/Agency level funding priorities found in Appendix 2:

1. **States, Territories, and Tribal Implementation Grants:** Grants ranging from \$1 million to \$5 million will be awarded to states, U.S. territories and Tribal-affiliated organizations and governments to implement projects that address the program priorities on public, Tribal, and/or private lands. Landscape scale restoration requests beyond \$5 million may be considered on a case-by-case basis. Please contact NFWF program staff to discuss. Projects should be completed within four years of award and partnerships with NGOs and localities through subawards are encouraged.
 - Grants under this category are contingent upon awards by DOI
2. **Planning, Collaboration and Engagement for States, Territories and Tribes:** Grants of \$200,000 to \$1,000,000 will be awarded to states, U.S. territories, Tribal governments, and Tribal-affiliated organizations for projects that

enhance local capacity to implement future on-the-ground actions through community-based assessments, partnership building, planning, project design, and other technical assistance-oriented activities. Projects in this category should include multiple partners, be at a significant scale for the landscape/watershed/seascape, clearly demonstrate how efforts will lead to implementation projects, and be completed within approximately one year of award.

- Grants under this category are contingent upon awards by DOI

3. Grants to Buffer and Benefit Public Lands: Grants ranging from \$250,000 to \$1.5 million will be awarded for projects that result in direct, on-the-ground conservation actions that benefit National Forests and DoD facilities. Projects should be targeted toward outcomes identified in a conservation implementation plan and should be completed within two to four years of award. DoD funds will be prioritized to Sentinel Landscapes or areas that advance the military mission (e.g., the Pacific region or directly supporting an installation) and projects must be in the vicinity of or ecologically related to a DoD installation or range. DoD funds may not be used for work directly on military lands. USFS funds will support invasive species detection, prevention, and treatments benefiting USFS lands, as well as collaboratively-developed fish passage and water quality projects on Federal and Tribal lands.

- Grants under this category are contingent upon awards by DoD and USFS

4. Private Forests, Rangeland and Farmland Grants: Grants ranging from \$200,000 to \$500,000 will support outreach and engagement with private landowners to advance voluntary conservation efforts on working lands that align with the NRCS Working Lands for Wildlife Framework (e.g. sagebrush, grasslands, bobwhite quail, northeast turtles, golden-winged warbler). Projects should be completed in two to three years.

- Grants under this category are contingent upon awards by NRCS

The ATCB program is expected to have an annual application cycle.

Project Period: Anticipated completion time for funded projects typically will be 12–18 months for community engagement and design projects and 24–48 months for implementation projects following finalization of a grant agreement. Projects that can be implemented faster and at scale are preferred. Significant progress with project implementation is expected to be achieved in year one, including interim deliverables. Project start and end dates should define the period during which all proposed work is accomplished, all requested funds are spent, and all matching funds are spent or applied. Recipients of design projects awarded through this round of ATBC are encouraged to apply for implementation-ready projects in future RFP cycles. It is important for applicants who look to phase in other implementation projects over time, to articulate the phases in which they anticipate implementing to ensure the review panel has a complete understanding of the project breadth.

Matching Funds: Non-federal match helps demonstrate broad support for the project and may be required by the federal funding requirements. The following is the minimum match (in-kind and cash) requirements requested from potential applicants:

DoD Conservation and Restoration Funds

Recipient Type	Federal cost share	Non-federal cost share
All entities	100% of costs	Not required

DOI Conservation and Restoration Funds

Recipient Type	Federal cost share	Non-federal cost share
States	90% of costs	10% of costs, of which at least 2.5% must be cash

Indian Tribes & territories	97% of costs	3% of costs, of which at least .75% must be cash
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NRCS Technical Assistance Funds

Recipient Type	Federal cost share	Non-federal cost share
All entities	50% of costs	50% of costs

USFS Conservation and Restoration Funds

Recipient Type	Federal cost share	Non-federal cost share
All entities	80% of costs	20% of costs

Applicants who are unable to meet these minimum requirements are still encouraged to apply and to proactively contact NFWF staff before submission. Where possible, NFWF will work with potential applicants to help meet these minimum requirements. Applicants are encouraged to describe federal partner contributions in the proposal narrative, although those contributions will not count toward match except for DoD REPI funds which count as non-federal funds for match purposes. Higher match ratios and contributions from a diversity of partners are encouraged. Matching contributions may include cash, in-kind contributions of staff and volunteer time, work performed, materials and services donated, or other tangible contributions to the project objectives and outcomes. In addition, eligible indirect costs (that would not be paid with requested grant funding) may be applied as match. To be eligible, matching contributions must be spent or applied during the period of performance indicated in the application. For additional guidance on match, please see Appendix 3.

ELIGIBILITY

Based on legislative funding authorities, the DOI funding in this round can only support states, territories, Tribal governments, and Tribal-affiliated organizations.

Eligible and Ineligible Entities

- **State government agencies, territories of the United States, and Indian Tribes²** are eligible to apply for all four grant categories.
- **Non-profit 501(c) organizations, local governments, municipal governments, and educational institutions** are eligible to apply for grants in categories (3) Grants to Buffer and Benefit Public Lands, and (4) Private Forests and Farmland.

Ineligible applicants include U.S. Federal government agencies, businesses, unincorporated individuals, and international organizations. For additional details on individual funders restrictions and priorities, please see Appendix 2.

Ineligible Uses of Grant Funds

- Federal funds and matching contributions may not be used to procure or obtain equipment, services, or systems (including entering into or renewing a contract) that uses telecommunications equipment or services produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities) as a substantial or essential component, or as critical technology of any system. Refer to Public Law 115-232, section 889 for additional information.
- Program funds and matching contributions may not be used to support political advocacy, fundraising, lobbying, litigation, terrorist activities or Foreign Corrupt Practices Act violations.
- Federal funds may not be used to support ongoing efforts to comply with legal requirements, including permit conditions, mitigation and settlement

agreements. However, grant funds may be used to support projects that enhance or improve upon existing baseline compliance efforts.

EVALUATION CRITERIA

All proposals will be screened for relevance, accuracy, completeness and compliance with NFWF and funding source policies. Proposals will then be evaluated by review teams representing the relevant funders and technical experts based primarily on the extent to which they meet the following three criteria:

Program Goals and Priorities – Project has specific, quantifiable performance metrics to evaluate project success. Project builds off of an existing conservation or recovery plan, addresses one or more of the program priorities listed on page two, and aligns with agency funding priorities as specified in Appendix 2.

Technical Merit – Project is technically sound and feasible, and the proposal sets forth a clear, logical and achievable work plan and timeline. Project engages appropriate technical experts throughout project planning, design and implementation to ensure activities are technically sound and feasible.

Budget – Costs are allowable, reasonable and budgeted in accordance with NFWF's Budget Instructions cost categories. Federally funded projects must be in compliance with 2 CFR 200 as applicable.

Additional factors that will be considered when reviewing proposals include:

Partnership and Community Impact – The applicant organization partners with, elevates, and engages collaboratively with or directly represents diverse local community members, leaders, community-based organizations, and other relevant stakeholders to develop and implement the proposed project. This ensures long-term sustainability and success of the project, integration into local programs and policies, and community acceptance of proposed restoration actions. Projects in line with Justice40 will be prioritized. These include projects where non-traditional partners or communities are engaged—or are applicants themselves—thereby

benefitting underserved communities and broadening the sustained impact from the project. Efforts to develop capacity in these non-traditional partners are encouraged.

Cost-Effectiveness – Cost-effectiveness analysis identifies the economically most efficient way to meet project objectives. Project includes a cost-effective budget that balances performance risk and efficient use of funds. Cost-effectiveness evaluation includes, but is not limited to, an assessment of effective direct/indirect costs across all categories in the proposed budget according to the type, size and duration of project and project objectives. Project budgets will be compared to similar projects to ensure proposed costs across all budget categories are reasonable for the activities being performed and the outcomes proposed.

Monitoring – Project includes a plan for monitoring progress during and after the proposed project period to track project success and adaptively address new challenges and opportunities as they arise.

Long-term Sustainability – Project will be maintained to ensure benefits are achieved and sustained over time. This should include how future funding will be secured to implement necessary long-term monitoring and maintenance activities.

OTHER

Procurement – If the applicant chooses to specifically identify proposed Contractor(s) for Services, an award by NFWF to the applicant does not constitute NFWF's express written authorization for the applicant to procure such specific services noncompetitively. When procuring goods and services, NFWF recipients must follow documented procurement procedures which reflect applicable laws and regulations. Tribes may utilize their own procurement policies and procedures.

Equipment – Applicants are encouraged to rent equipment where possible and cost-effective or use matching funds to make those purchases. NFWF acknowledges, however, that some projects may only be completed using NFWF funds to procure

equipment. For requests for equipment purchases, please provide sufficient justification in the budget section of the proposal.

Publicity and Acknowledgment of Support – Award recipients will be required to grant NFWF the right and authority to publicize the project and NFWF's, and the federal funding partner's, financial support for the grant in press releases, publications, and other public communications. Recipients may also be asked by NFWF to provide high-resolution (minimum 300 dpi) photographs depicting the project.

Receiving Award Funds – Award payments will be made as reimbursable payments or advances based on imminent need. Projects may request funds for reimbursement at any time after completing a signed agreement with NFWF. A request of an advance of funds must be due to an imminent need of expenditure and must detail how the funds will be used and provide justification and a timeline for expected disbursement of these funds. Please see 2 CFR 200.305 regarding payments.

Compliance Requirements – Projects selected may be subject to requirements under the National Environmental Policy Act (NEPA), Endangered Species Act (ESA; state and federal), National Historic Preservation Act (NHPA), and Clean Water Act (CWA). Documentation of compliance with these regulations must be approved prior to initiating activities that disturb or alter habitat or other features of the project site(s). Applicants should budget time and resources to obtain the needed approvals. As may be applicable, successful applicants may be required to comply with additional Federal, state or local requirements and obtain all necessary permits and clearances. Projects on Tribal lands must comply with all Tribal laws, regulations, and policies.

Permits – Successful applicants will be required to provide sufficient documentation that the project expects to receive or has received all necessary permits and clearances to comply with any Federal, state or local requirements. Where projects involve work in the waters of the United States, NFWF strongly encourages

applicants to conduct a permit pre-application meeting with the Army Corps of Engineers prior to submitting their proposal. In some cases, if a permit pre-application meeting has not been completed, NFWF may require successful applicants to complete such a meeting prior to grant award. The costs associated with compliance with NEPA, ESA, NHPA, and CWA should be included in the overall project budget.

Environmental Services – NFWF funds projects in pursuit of its mission to sustain, restore and enhance the nation's fish, wildlife, plants and habitats for current and future generations. NFWF recognizes that some benefits from projects may be of value with regards to credits on an environmental services market (such as a carbon credit market). NFWF does not participate in, facilitate, or manage an environmental services market nor does NFWF assert any claim on such credits.

Intellectual Property – Intellectual property created using NFWF awards may be copyrighted or otherwise legally protected by award recipients. NFWF may reserve the right to use, publish, and copy materials created under awards, including posting such material on NFWF's website and featuring it in publications. NFWF may use project metrics and spatial data from awards to estimate societal benefits that result and to report these results to funding partners. These may include but are not limited to: habitat and species response, species connectivity, water quality, water quantity, risk of detrimental events (e.g., wildfire, floods), carbon accounting (e.g., sequestration, avoided emissions), environmental justice, and diversity, equity, and inclusion.

Applicant Demographic Information – In an effort to better understand diversity in our grantmaking, NFWF is collecting basic demographic information on applicants and their organizations via a voluntary survey form (available in Easygrants). This information will not be shared externally or with reviewers and will not be considered when making grant decisions. For more details, please see the tip sheet and the Uploads section of Easygrants.

TIMELINE

Dates of activities are subject to change. Please check the program page of the NFWF website for the most current dates and information at www.nfwf.org/challenge.

Applicant Webinar	Thursday, May 19, 2022, 2–4 PM ET
Full Proposal Due Date	Thursday, July 21, 2022
Review Period	July–November 2022
Awards Announced	November 2022

HOW TO APPLY

All application materials must be submitted online through National Fish and Wildlife Foundation’s Easygrants system.

1. Go to easygrants.nfwf.org to register in our Easygrants online system. New users to the system will be prompted to register before starting the application (if you already are a registered user, use your existing login). Enter your applicant information. Please disable the pop-up blocker on your internet browser prior to beginning the application process.
2. Once on your homepage, click the “Apply for Funding” button and select this RFP’s “Funding Opportunity” from the list of options.
3. Follow the instructions in Easygrants to complete your application. Once an application has been started, it may be saved and returned to at a later time for completion and submission.

APPLICATION ASSISTANCE

A Tip Sheet is available for quick reference while you are working through your application. This document can be downloaded [here](#).

Additional information to support the application process can be accessed on the NFWF website’s Applicant Information page.

Before submitting a proposal, applicants are encouraged to discuss project ideas with NFWF’s staff. All questions on applications and agency funding priorities

should be directed to NFWF. NFWF will coordinate with funding partners to answer applicant questions regarding this RFP.

For more information or questions about this RFP, please contact:

Rachel M. Dawson (she/her)
Program Director | National Programs
National Fish and Wildlife Foundation
202-595-2643 direct
Rachel.Dawson@nfwf.org

Syd Godbey (she/her)
Program Manager | National Programs
National Fish and Wildlife Foundation
202-595-2612 direct
Sydney.Godbey@nfwf.org

For issues or assistance with our online Easygrants system, please contact:

Easygrants Helpdesk
Email: Easygrants@nfwf.org
Voicemail: 202-595-2497

Hours: 9:00 am to 5:00 pm ET, Monday-Friday.

Include: your name, proposal ID #, e-mail address, phone number, program you are applying to, and a description of the issue.

FOOTNOTES

¹ Example of existing conservation or recovery plans include NFWF's Conservation Landscapes; Migratory Bird Joint Ventures and their plans such as the Saltmarsh Sparrow Conservation Plan; Western Association of Fish and Wildlife Agencies (WAFWA) Sagebrush Conservation Strategy; NRCS Working Lands for Wildlife

Conservation Frameworks for Great Plains and Sagebrush, Bobwhite Quail and Gopher Tortoise; Collaborative Landscape Conservation Designs such as Southeast Conservation Adaptation Strategy and Nature’s Network; state-driven conservation efforts such as State Wildlife Actions Plans, Coastal Master Plans, and the State Action Plans for Big Game Migrations; Tribal Conservation Priorities; and local collaboratives such as the Black-foot Challenge, the Great Lakes Indian Fish and Wildlife Commission, Crown of the Continent Landscape Conservation Design, Salmon Superhighway, Sacramento Valley Salmon Recovery Program, Southeast Conservation Blueprint, and DoD’s Sentinel Landscapes. Similarly, applicants should incorporate science-based tools and data into their proposal where applicable. Examples include the USFS’s Watershed Condition Classification (WCC) and Terrestrial Condition Assessment (TCA), Nature’s Network Conservation Design, and WAFWA’s Crucial Habitat Assessment Tool (CHAT). This list is not exhaustive, but rather indicative of the types of plans and strategies that can be integrated into proposals.

²The term “Indian Tribe” has the meaning given the term in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. § 5304). “Indian tribe” or “Indian Tribe” means any Indian tribe, band, nation, or other organized group or community, including any Alaska Native village or regional or village corporation as defined in or established pursuant to the Alaska Native Claims Settlement Act (85 Stat. 688), which is recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians. 25 U.S.C. § 5304(e).

APPENDIX 1: PROJECT LEVEL METRICS

To better gauge progress on individual grants and to ensure greater consistency of project data provided by multiple grants, the Easygrants application includes a list of standard metrics options for describing project impacts and reporting outcomes. We ask that applicants select only the most relevant metrics associated with the

landscape level work being proposed from this list for their project.

Habitat Restoration Metrics

Activity	Metric	Guidance
Habitat Management	Acreage of project footprint	Enter the total number of acres impacted by one or more project conservation activities. Only count an acre once, even if multiple activities or treatments will occur on that acre during the project.
	Acres under improved management	Enter the number of acres under improved management and indicate the types of practices in the NOTES section. Only count an acre once, even if multiple activities or treatments will occur on that acre during the project.
	BMP implementation for nutrient or sediment reduction - Acres with BMPs	Enter the # of acres with BMPs. In the NOTES section, indicate the type of BMP(s) (e.g. manure storage) and the method of calculating reduction. DO NOT include managed grazing.

Activity	Metric	Guidance
	Acres of Managed Grazing	Enter the number of acres with managed grazing (i.e., promoting plant growth above and below ground, improving wildlife habitat, and maximizing soil carbon through grazing approaches that optimize stocking rates, livestock rotations, utilization rates, and plant rest and recovery, including development of associated grazing infrastructure). Please describe the grazing practices in the NOTES section.
	Fuels management treatment (mechanical/hand) – Acres treated	Enter # acres of vegetation treated by mechanical or hand treatments for wildfire risk reduction. In the NOTES, indicate dominant forest type, average frequency (in years) for future treatments, and whether the removed vegetation will be left on site to decompose (Yes/No).
	BMP implementation for stormwater runoff – Acres with BMPs	Enter the number of acres with Best Management Practices (BMPs) to reduce and manage stormwater runoff. Please include size of area contributing runoff to the BMP.
Habitat Restoration	Land restoration- Acres restored	Enter # acres of habitat restored. In the NOTES, specify landcover prior to restoration (barren, cropland, grass, shrub) and post-restoration (broadleaf, conifer, redwood, grassland, shrubland, marsh, wet meadow, tidal marsh, swamp).

Activity	Metric	Guidance
	Land restoration- Acres of field buffers created	Enter the number of acres of FIELD BUFFER created. In the NOTES section, specify the landcover type prior to planting (barren, cropland, grassland, shrubland), and the dominant vegetation being planted (grassland, deciduous forest, shrubland, wooded wetland).
	Land restoration- Acres of trees planted	Enter the number of acres of TREES planted. In the NOTES section, specify the landcover type prior to planting (barren, cropland, grassland, shrubland), and the average number of trees per acre planted.
	BMP implementation for prescribed burns-Acres burned	Enter # acres with prescribed burning. In the NOTES, specify if private or public land, average frequency (in yrs) for future burning, dominant vegetation burned (forest, shrubland, grassland, cropland, Phragmites marsh). If forest, note if trees were planted in past 10 yrs (Yes/No) & type of forest.
	Removal of invasives-acres restored	Enter the number of acres restored by removal or control of INVASIVE SPECIES. In the NOTES section, specify: the vegetation type being removed (herbaceous, shrub, or tree), average frequency (in years) the treatment is expected to occur in the future, and whether the removed vegetation will be left on site to decompose (Yes, No). Projects should include post-removal monitoring and follow-up control efforts as necessary to ensure that invasive species do not reinvade.

Activity	Metric	Guidance
Habitat Conservation	Acres protected under long-term easement (permanent or >30-yr)	Enter the number of acres protected under long-term easement (permanent or >30-yr). Assuming the specific parcel(s) has been identified, in the NOTES indicate what % of natural land cover would have been cleared in the absence of the easement(s).

Watershed Restoration Metrics

Activity	Metric	Guidance
Aquatic Organism Passage Improvements	# passage barriers rectified	Enter the number of aquatic organism passage barriers rectified. In the NOTES section indicate what type(s) of barrier(s) are being removed or replaced (e.g., culvert, dam).
	Miles of stream opened	Enter the number of miles of previously inaccessible stream habitat opened. In NOTES list the targeted species.
Stream and Riparian Habitat	Wetland restoration- Acres restored	Enter the number of acres of WETLAND habitat restored. In the NOTES section, specify the landcover type prior to and following restoration (barren, cropland, deciduous forest, coniferous forest, shrubland, grassland, herbaceous wetland, wooded wetland, wet meadow).
	Riparian restoration- Miles restored	Enter total number of riparian forest miles restored. If you are restoring wetlands use the acres of wetland restored metric.

Activity	Metric	Guidance
	Floodplain restoration- Acres restored	Enter # of floodplain acres restored. In the NOTES, indicate % of vegetation on the pre-project site (0-20%, 21-40%, 41-60%, 61-80%, 81-100%) and the dominant vegetation being restored (Broadleaf, Conifer, Redwood, Shrub, Grass, Marsh, Wet meadow, Swamp).
	Wetland restoration- Acres restored	Enter # acres of WETLAND (not riparian or instream) habitat restored. In the NOTES, specify landcover prior to restoration (Marsh, Tidal marsh, Wet meadow, Swamp) and indicate % of vegetation on pre-project site (0-20%, 21-40%, 41-60%, 61-80%, 81-100%).
	Miles of instream habitat restoration	Enter the number of miles of instream habitat restored
Coastal Habitat	Wetland restoration- Acres restored	Enter # acres of WETLAND (not riparian or instream) habitat restored. In the NOTES, specify landcover prior to restoration (Marsh, Tidal marsh, Wet meadow, Swamp) and indicate % of vegetation on pre-project site (0-20%, 21-40%, 41-60%, 61-80%, 81-100%).
	Beach habitat quality improvements- Miles restored	Enter the number of beach/shoreline miles restored
Green Stormwater Infrastructure	Volume (gallons) of stormwater storage added	Enter the volume (in gallons) of stormwater storage added through green infrastructure improvements. Include projection of gallons for stormwater captured or infiltrated annually

Activity	Metric	Guidance
	Square feet of impervious surface removed or retrofitted	Enter the square footage of impervious surface removed or retrofitted
	Square feet of green infrastructure installed	Enter the square footage of green infrastructure installed
	Number of trees planted	Enter the number of trees planted (include species, tree size, planting density and anticipated total acres of tree planting)
Invasive Species Control	Removal of invasives-Acres restored	Enter the number of acres restored by removal or control of INVASIVE SPECIES, including any re-treatments. In the NOTES section, specify: the vegetation type being removed (herbaceous, shrub, or tree), average frequency (in years) the treatment is expected to occur in the future, and whether the removed vegetation will be left on site to decompose (Yes, No).

Water Quality and Quantity Metrics

Activity	Metric	Guidance
Water Quality	BMP implementation for nutrient or sediment	Enter the amount of nitrogen prevented from entering system annually and indicate method of calculating reduction in NOTES section.

	reduction-Lbs N avoided (annually)	
	BMP implementation for nutrient or sediment reduction-Lbs P avoided (annually)	Enter the amount of phosphorous prevented from entering system annually and indicate method of calculating reduction in NOTES section.
	BMP implementation for nutrient or sediment reduction-Lbs sediment avoided (annually)	Enter the amount of sediment prevented from entering system annually and indicate method of calculating reduction in NOTES section.
Water Quantity	Improved irrigation practices-Acre feet of water conserved	Enter the number of acre feet of water conserved and indicate method of calculating water conservation in the NOTES section.

Migrations Metrics

Activity	Metric	Guidance
Migrations and Corridors	Miles of fencing improved or removed	Specify the number of miles of derelict fencing removed or improved
	# road crossing improvements	Enter the number or wildlife road crossings improved

Planning, research, monitoring	# monitoring studies completed	Enter the number of monitoring studies completed Enter the number of studies used for monitoring and development of future projects
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Public Access and Community Engagement Metrics

Activity	Metric	Guidance
Public Access	Green Infrastructure - acres of greenspace	Enter the acres of neighborhood green space and habitat created or improved
	# of acres opened to public access	Enter the number of miles of trails or river walks developed or improved
	# of miles of stream/river opened to public access	
	Green Infrastructure – Number of public access points developed/improved	Enter the number of public access points developed/improved
Community Engagement	# of volunteer hours	Enter the # of volunteer hours in this project.
	# of organizations contributing to the initiative's conservation goal	Enter the number of organizations contributing to the initiative's conservation goal.

Activity	Metric	Guidance
	# of people targeted	Enter the number of people targeted by outreach, training, or technical assistance activities. In the NOTES, if applicable, note the number of people in the Historically Underserved or Special Emphasis categories.
	# of people reached	Enter the number of people who responded to an offer of outreach, training, or technical assistance. This number should be a subset of the # of people targeted. In the NOTES, if applicable, note the number of people in the Historically Underserved or Special Emphasis categories.

Economic Metrics

Activity	Metric	Guidance
Jobs	# jobs created	Enter the number of new jobs created. If applicable, in the NOTES section report the number of new jobs created for people in the Historically Underserved, Tribal or Special Emphasis categories.
	# jobs sustained	Enter the number of jobs sustained. If applicable, in the NOTES section report the number of jobs sustained for people in the Historically Underserved or Special Emphasis categories.

APPENDIX 2: AGENCY FUNDING DETAILS

Department of Defense

The Department of Defense (DoD) is providing \$5 million to fund projects that support the goals of an existing Sentinel Landscape, advance conservation goals in the Pacific, or address installation-level off-base species and habitat goals. This funding may be counted as “non-federal” matching funds for the project. Projects must meet the requirements of this RFP and propose a project in the vicinity of or ecologically related to a DoD installation or range. DoD funds cannot be used to support projects directly on military lands (i.e., “inside the fence line” of the DoD installation or range). The proposal narrative should clearly describe the encroachment challenges, environmental hazards or resource concerns that threaten the military mission, the conservation or nature-based solution proposed to address those threats, and how the project will maintain and improve military resilience and directly benefit defense mission capabilities of the DoD installation or landscape the project is associated with. Applications involving military installation projects should provide evidence demonstrating coordination with the appropriate military installation(s).

Department of the Interior

Funding from the Department of the Interior (DOI) can only be awarded to state government agencies, territories of the United States, and Indian Tribal governments for implementing voluntary ecosystem restoration projects on public and private land, with a priority for cross-boundary projects. Other entities are encouraged to partner with States, Territories, and Tribal governments as subrecipients of a larger project they submit. Approximately, \$70 million of DOI funding will be made available to support projects that advance the goals of this RFP and align with existing or developing landscape or species conservation plan.

U.S. Forest Service

U.S. Forest Service (USFS) is providing \$7 million to advance the goals of Challenge program. This includes \$5 million to support invasive species detection, prevention and treatments benefiting USFS lands. An additional \$2 million will support collaborative-based landscape-scale restoration projects that restore water quality or fish passage on federal or Indian forest land or rangelands. USFS gives priority to project proposals that would result in the most miles of streams being restored for the lowest amount of Federal funding.

Natural Resources Conservation Service

The Natural Resources Conservation Service (NRCS) is providing \$1 million of technical assistance funding through this RFP to support outreach and engagement with private landowners to advance voluntary conservation efforts on working lands that align with a Working Lands for Wildlife Framework or the landscape goals of this program in partnership with another funding agency. NRCS is also committed to aligning additional financial assistance funds through its state offices to projects that advance the goals of the America the Beautiful Challenge. Applications involving private lands should be shared with the appropriate NRCS State Conservationist for input and guidance before submission.

APPENDIX 3: MATCH REQUIREMENTS

The non-Federal match required for a recipient to be eligible under this program varies by recipient type, and the source of funds, as follows:

DoD Conservation and Restoration Funds

Recipient Type	Federal cost share	Non-federal cost share
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All entities	100% of costs	Not required
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DOI Conservation and Restoration Funds

Recipient Type	Federal cost share	Non-federal cost share
States	90% of costs	10% of costs, of which at least 2.5% must be cash
Indian Tribes & territories	97% of costs	3% of costs, of which at least .75% must be cash

NRCS Technical Assistance Funds

Recipient Type	Federal cost share	Non-federal cost share
All entities	50% of costs	50% of costs

USFS Conservation and Restoration Funds

Recipient Type	Federal cost share	Non-federal cost share
All entities	80% of costs	20% of costs

The non-federal share of eligible recipient award costs must include cash **that meets or exceeds** the percentages shown above. The match requirements may be met in all or in part by contributions from a third party, including in-kind contributions of staff and volunteer time, work performed, materials and services donated, or other tangible contributions to the project objectives and outcomes. Recipients may also voluntarily attribute some or all of their allowable indirect costs as matching funds;

however, you may only charge to the award the indirect costs calculated against the allowable direct costs charged to the award.

The uniform requirements for matching funds are described in 2 CFR 200.306. Match contributions must be necessary and reasonable for accomplishment of project or program objectives. To be allowable, the recipient's funds and all third-party contributions, including cash and in-kind contributions, must meet the requirements in 2 CFR 200.306. The value of third-party in-kind contributions must be determined in accordance with the standards in 2 CFR 200.306.

Federal partner contributions, besides DoD Readiness and Environmental Protection Integration (REPI) funds, do not qualify to be used as match under this program. However, applicants should identify any Federal partners and their contributions to the project in the project narrative, as those partnerships show support for this program's priority for collaborative projects.

Applicants who are unable to meet these minimum requirements are still encouraged to apply and to proactively contact NFWF staff before submission. Where possible, NFWF will work with potential applicants to help meet these minimum requirements.

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[NFWF Privacy Policy](#)



This Procurement Technical Assistance Center is funded in part through a cooperative agreement with the Department of Defense. Government Contracting Services are offered by the Florida Procurement Technical Assistance Center headquartered at the University of West Florida.

Procurement Technical Assistance Center Program

- The Florida Procurement Technical Assistance Center (PTAC) is funded in part through a cooperative agreement with the Department of Defense
- Florida PTAC, www.fptac.org
- National APTAC, www.aptac-us.org

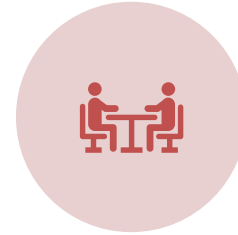
Federal, State, and Local Government Contracting Assistance



EDUCATION
AND TRAINING



INFORMATION
RESOURCES



CONSULTING
SERVICES

The Florida PTAC Government Contracting Assistance Program

- Part of the statewide SBDC Network, since 1986
- \$9.5B in contract awards
- 214,873 jobs created/saved
- One of our Nation's largest, most productive, economically effective, and professional programs

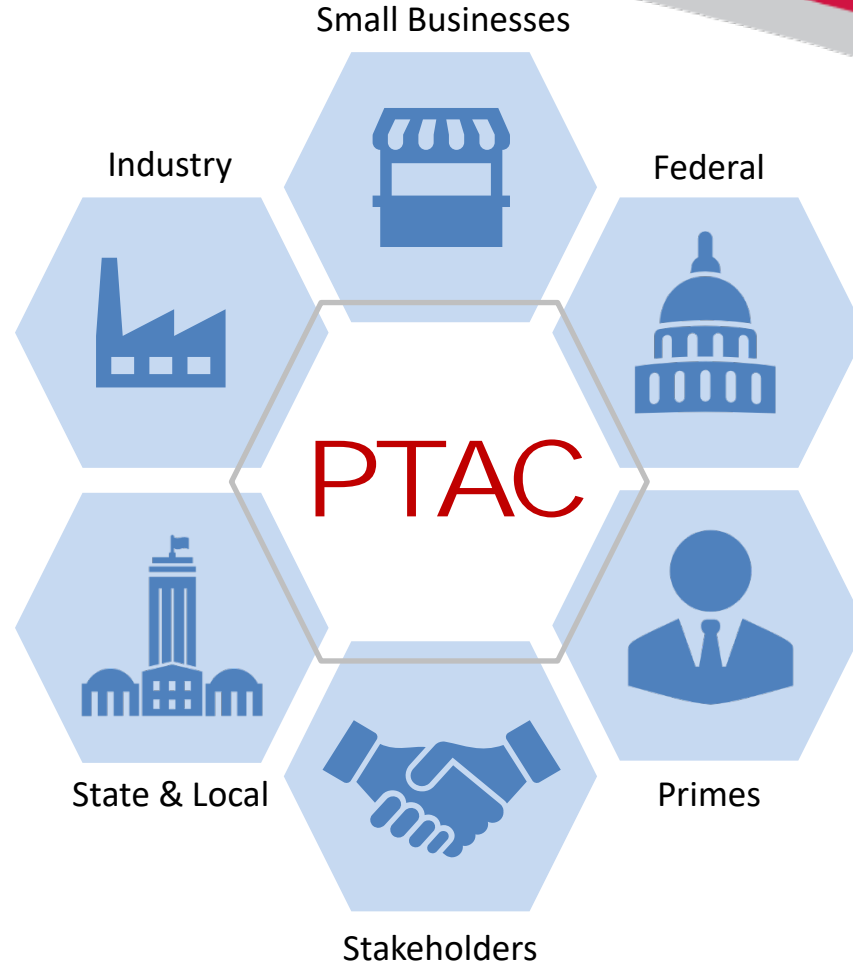
Federal, State, and Local Government

- Registrations
- Certifications
- Opportunities
- Bids/proposals
- Subcontracting
- Cybersecurity
- Bid matching
- Mentor-proteges
- Accounting and invoicing
- Business development
- Laws, policies, procedures
- Post-award functions

Program Resources and Impact

- 9 Regional centers
- 100+ Training programs
- 100+ Outreach events
- 14 FTEs
- 10,500 Consulting hrs.
- \$1,769,895 Cost
(Federal & State Funding)
- 67 Counties
- 3,600 Attendees
- 2,200 Clients
- 18,500 Contracts
- 6,700 Jobs
- 450M Dollars

Government, Business, Academia



Our Team

- Diverse experience
- Credentialed team
- Up-to-date knowledge



Don Zavesky



Leslie Nguyen



Emery Parker



Greg Grant



Marie Myszkier



Yolanda Cowart



Steve South



Scotty Wilson



Karen Krymski



Kara Vernon



Carole Hart



Kristy Pittman



Mark Odell



Marc McCance



Jaison Raju



Luis Batista

Thank You

Visit us online or contact your local office and get started on your path to success today.

This Procurement Technical Assistance Center (PTAC) is funded in part through a cooperative agreement with the Department of Defense.



fptac.org

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Florida PTAC Manager

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Helping Businesses Grow & Succeed

An Introduction to CONNEX Florida's Supply Chain Solution

Florida Defense Alliance



May 18, 2022

Jason Zaborske
Supplier Development Manager
FloridaMakes

SUPPLY CHAIN FLORIDA: SOURCING RESOURCES FOR FLORIDA MANUFACTURERS

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Our Supplier Development Team is here to assist Florida's manufacturers and connect them to suppliers.

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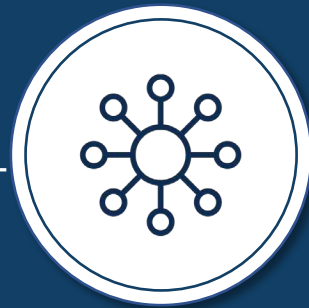
www.SupplyChainFlorida.com

WHAT IS CONNEX FLORIDA?

Connex Florida is an online capabilities database and connection platform built by and for Florida manufacturers that helps you connect with manufacturers, find resources and adapt to changing market demands



Florida Focused
Resources



Network With Over
8,000 Manufacturers



Industry-Specific
Sourcing



No Cost

“Buy Local” Sourcing Resources

Who Are the Makers in Your Neighborhood?

CONNEX marketplace Search CONNEX Marketplace michael_aller@yahoo.com

Sponsored by: **connex FLORIDA**

My Organization Supply Chain Search Explore Manufacturers Research Exchange Center Admin My Subscriptions Help

Showing results for custom manufacturing SEARCH

All Organizations Exchange Center

City: Jacksonville, FL (363) Florida (9045)

Certification: ISO (88) AS91xx (39) ITAR (DDTC Registered) (31) FDA Registered (24) JCP Registered (DD 2345) (14)

Process: Machining (44) Testing (19) Grit/Bead Blasting (9) Robotic Processing (7) Heat Treating (6)

NAICS Code: (332710) Machine Shops (27) (541330) Engineering Services (21) (332721) Precision Turned Product Manufacturing (16) (332322) Sheet Metal Work Manufacturing (14) (332999) All Other Miscellaneous

Name	City	Matching data
Custom Manufacturing & Engineering, Inc.	Pinellas Park, FL	Service_families, Name, Description, NAICS, Product_families, Type, Capability Statements
Custom Quality Manufacturing, Inc.	Tampa, FL	Name, Description, Type
Strive Development Corp. dba Custom Production	Crestview, FL	Service_families, Name, Description, NAICS, Product_families, Type, Capability_statements
J A Custom	West Palm Beach, FL	Name, Description, Type
Hernon Manufacturing, Inc.	Sanford, FL	Service_families, Name, Description, NAICS, Product_families, Type, Capability Statements
Custom Capacitors, Inc.	Brooksville, FL	Name, Description, Type
Phoenix Custom Engineering	Clearwater, FL	Name, Description, Type
Custom Cabinets Inc	Sarasota, FL	Name, Description, Type
Custom Sign & Awning	Clearwater, FL	Name, Description, Type
Ares Custom Yachts	Fort Lauderdale, FL	Name, Description, Type



CONNEX EXCHANGE CENTER

Post or Browse Information on Supply Needs, Capacity Available, or Resources



➤ Broaden the Reach of your RFQs & RFPs

➤ Tailor Outreach to Specific Sectors, Regions, Certifications, or Skill Sets



➤ Learn about New Opportunities

The screenshot displays the Connex Exchange Center interface. The top navigation bar includes the Connex Marketplace logo, a search bar, a user profile for 'michael_aller@yahoo.com', and an 'Organizations' dropdown menu. The main content area is titled 'Exchange Center' and features a sidebar with navigation options like 'My Organization', 'Supply Chain', 'Search', 'Explore', 'Manufacturers', 'Research', 'Exchange Center', 'Admin', 'My Subscriptions', and 'Help'. The central panel shows a list of listings under the 'Expiring Soon' filter. The right panel provides a detailed view of a 'REUSABLE PALLETS' RFQ posted by 'Compsys, Inc.', including the quantity (25-50), start and expiration dates, and contact details for Crystal Jacoby.

Subject	Responded	Organization	Type	Start Date	Expiration Date
2022-029 Aluminum Tubing		NIST MEP Supplier Scouting	Scouting	Apr 7, 2022	Apr 14, 2022
2022-028 Lang Engraving Mill		NIST MEP Supplier Scouting	Scouting	Apr 7, 2022	Apr 14, 2022
2022-031 Custom mold glass bottles		NIST MEP Supplier Scouting	Scouting	Apr 7, 2022	Apr 15, 2022
2022-032 Xanthan Gum 200 Mesh		NIST MEP Supplier Scouting	Scouting	Apr 7, 2022	Apr 15, 2022
Aluminum Tubing - MEP Supplier Scouting #2022-029					
2022-030 Fabricators for Production Equipment					
Fabricators for Production Equipment - MEP Supplier Scouting #2022-030					
Custom Mold Glass Bottles - MEP Supplier Scouting #2022-031					
Aluminum and Cast Iron CNC Milling					

REUSABLE PALLETS
Compsys, Inc.
TYPE: RFQ
We are looking for RFI/RFQ on 48" x 16' reusable pallets
START: October 16, 2020 | EXPIRATION: December 31, 2020 | CLOSED: --
QUANTITY: 25-50
CONTACT DETAILS: Crystal Jacoby, cjacoby@preforms.com, 321-412-1013
RESPONDENTS: 2



PLATFORM	COST	Full User Profile	Search Capability	Exchange Center
 <p>connex FLORIDA <small>Powered by connex MARKETPLACE</small></p>	FREE	State Access	State Access	State Access
 <p>connexTM MARKETPLACE <small>Connecting US Manufacturers</small></p>	Annual Subscription	National Access	National Access	National Access





Special Promotional Offer



Until May 31, 2022 Connex Florida
companies can use the code

CMFY22FL

to obtain 1 year of free access to
Connex Marketplace

Redeem this offer by visiting:
www.SupplyChainFlorida.com

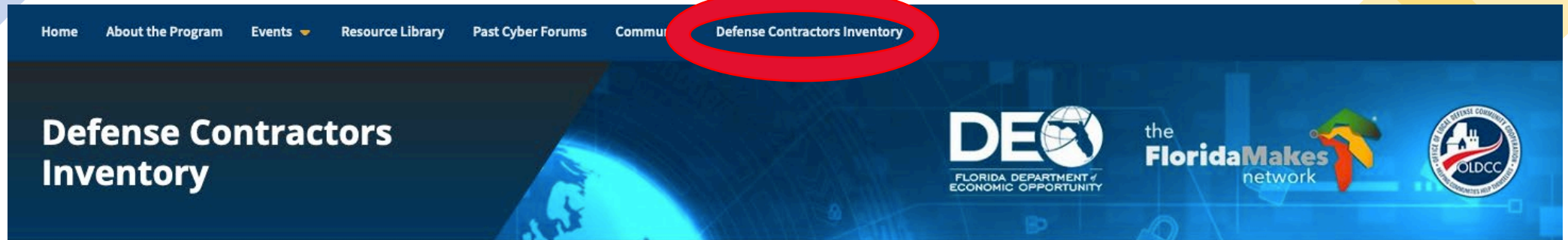
Click on: "Access Connex"

New Users: Click on "Request an Account"

Existing Users: Login to Connex, Click on "My Subscriptions"

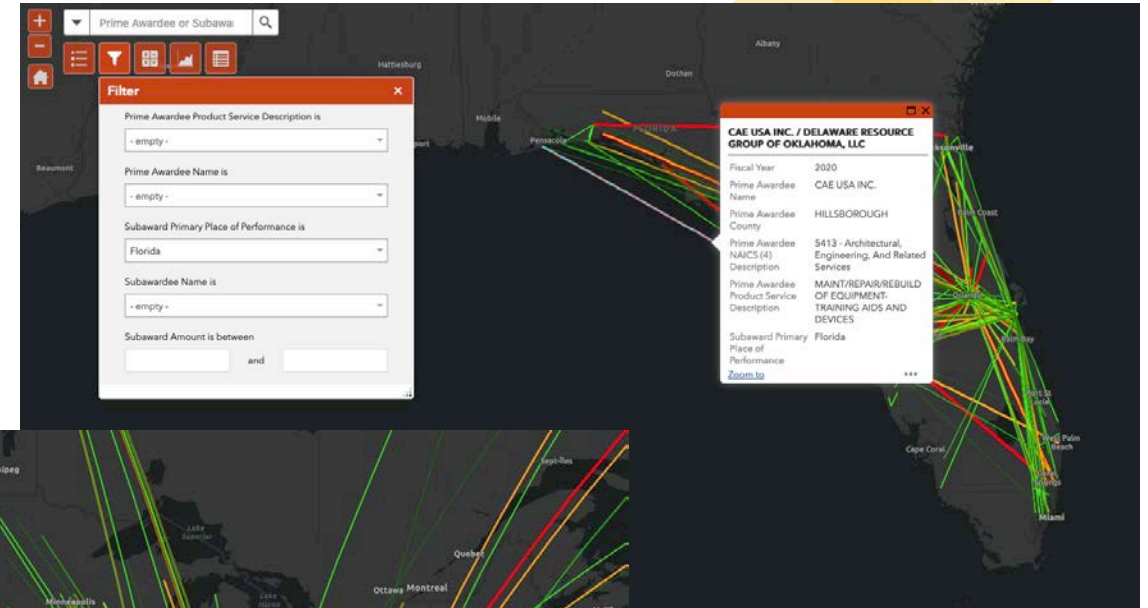
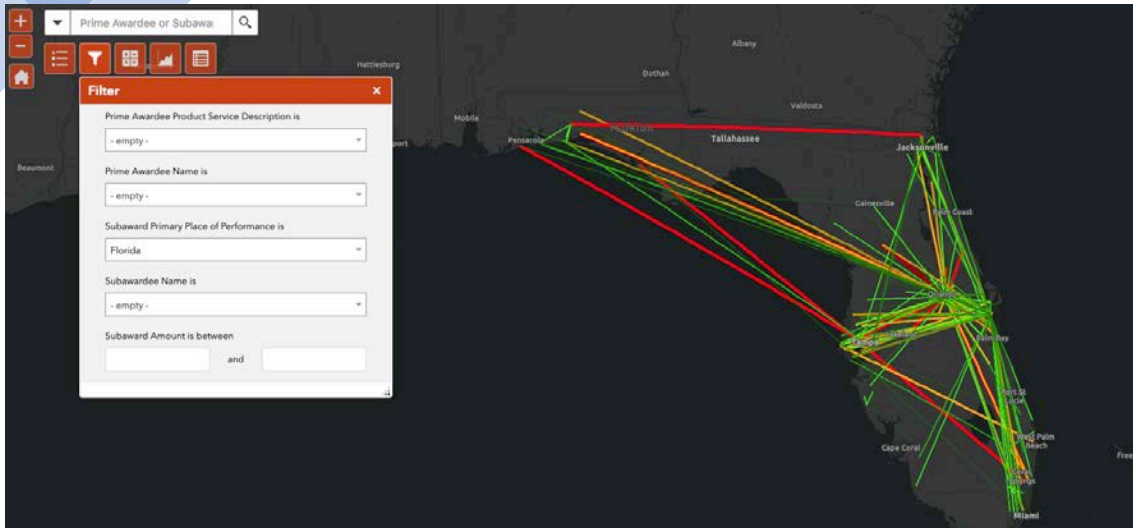


RESOURCES FOR FLORIDA'S DEFENSE INDUSTRY

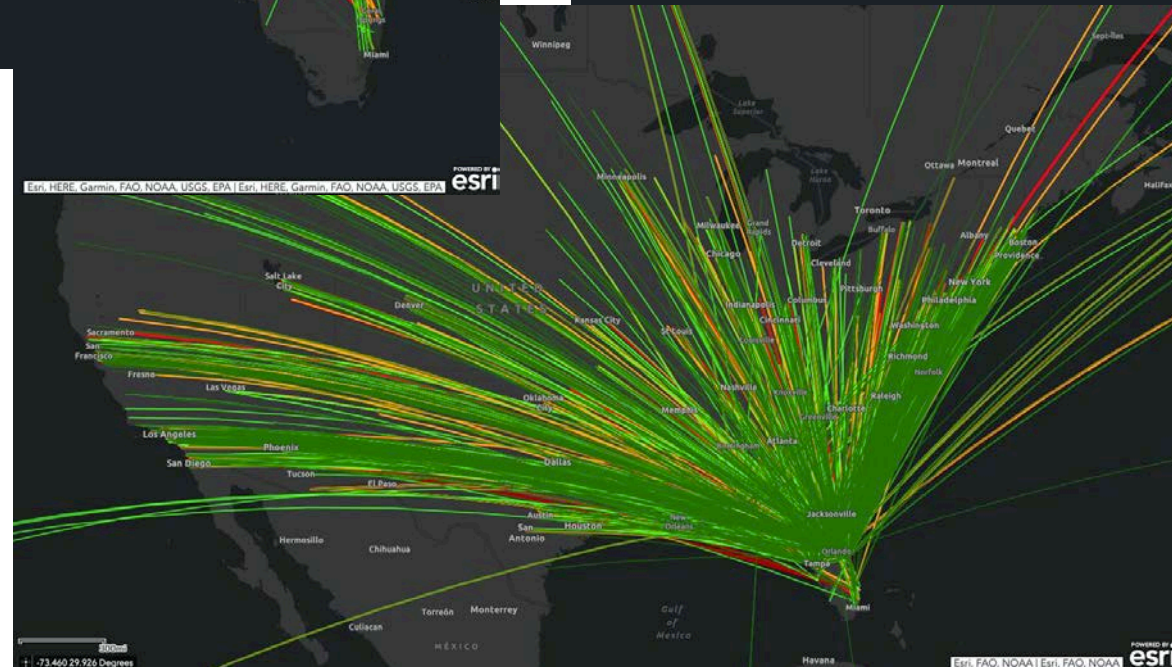


www.FL-Cyber.com/defense-contractors-inventory

FLORIDA DEFENSE CONTRACTORS INVENTORY



- Learn more about Defense Contracts and Contractors in your Area
- Track subcontract and supply chain links across the state, the United States, and the world



www.FL-Cyber.com/defense-contractors-inventory

THANK YOU!

Jason Zaborske

Supplier Development Manager

FloridaMakes

Jason.Zaborske@FloridaMakes.com



Supply Chain

Statewide Resources:

www.SupplyChainFlorida.com

FLORIDA'S SUPPLY CHAIN SOLUTION



Florida Defense Community Resiliency, Sustainability and Mission Assurance Project Inventory – Update



May 18, 2022



Agenda

- **Project Overview**
- **Scope**
- **Process**
- **Schedule**
- **Defense Community Input**
- **Where We Are**
- **DCIPP Update**
- **Questions**

Project Overview

- **RFP** - *Community resilience is the ability to focus human and infrastructure capital necessary to make for stronger military installations and associated Defense Communities that are better able to withstand, manage, and recover from disasters or national security events*
- **Problem Statement** - *Develop strategy and identify objectives for the State of Florida, along with Florida military installations partners, to improve installation and community resiliency*



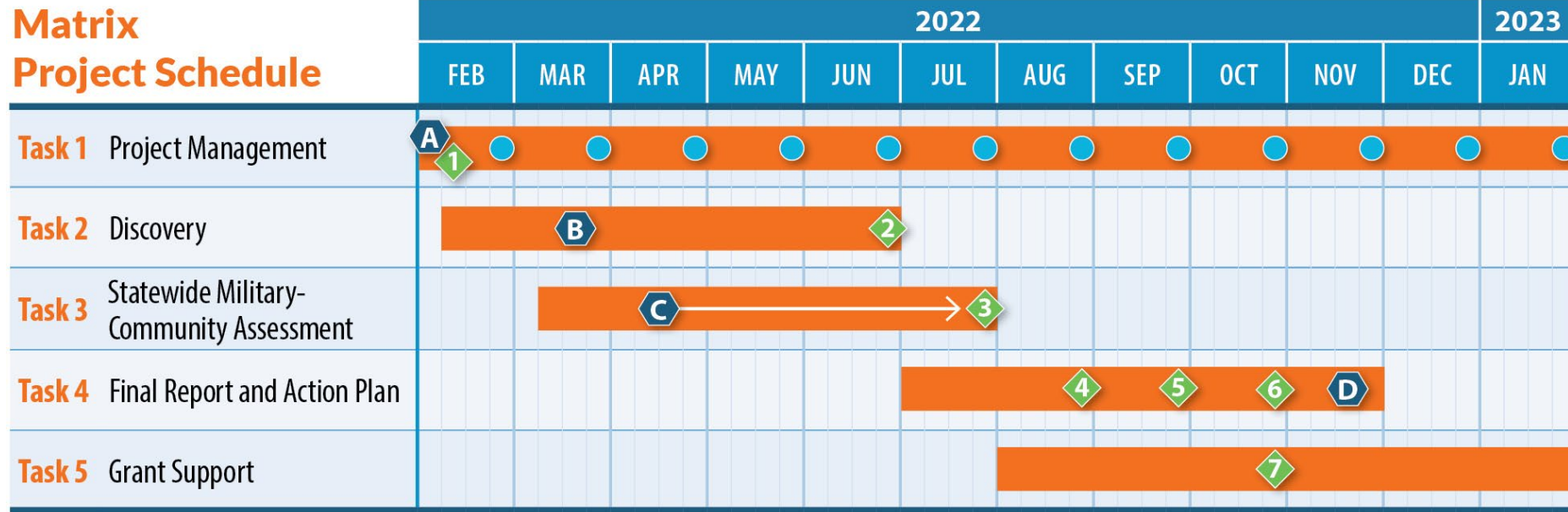
Scope

- **Review DoD policy, guidance, and funding opportunities**
- **Develop state-level guidance recommendations**
- **Consolidate projects that enhance military value, installation resilience, and/or military family quality of life**
- **Share best practices across the state**
- **Develop library of actionable projects**
- **Recommend funding avenues and grant priorities**

Process

- **Discovery**
 - Research & literature review
 - Requests for information
- **Assess Projects**
- **Report & Action Plan**
 - Develop Guidance
 - Provide Recommendations
- **Grant Support**
 - Provide grant opportunities/best practices
 - Identify grant candidates
 - Support grant development

Schedule



Meetings:

- A** Kick-Off Meeting
- B** Kick-Off Workshop
- C** Validation
- D** Final Presentations

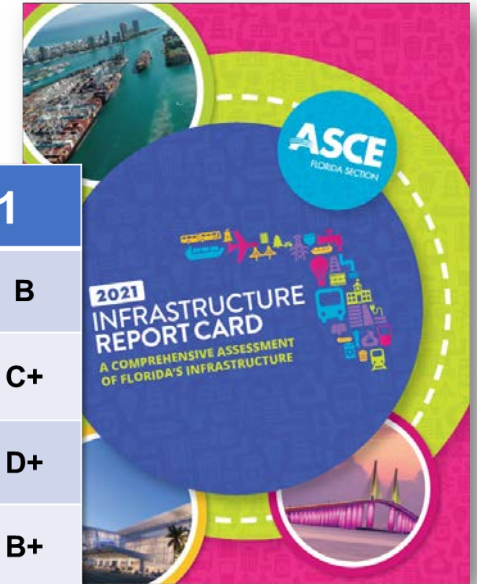
Deliverables:

- Status Reports
- 1 Project Management Plan
- 2 Survey Results
- 3 Military-Community Resilience Assessments
- 4 MICRP Recommendations
- 5 Draft Project Report
- 6 Final Project Report
- 7 Grant Application Priorities

- **Florida Defense Forum (in conjunction with ADC)**
 - Full-Scope Resiliency; success stories; grant opportunities
 - Hilton Garden Inn, Okaloosa Island, September 22-23

Community Input

- **Community contacts that have a role in resiliency**
 - Power, water, wastewater, gas, communications, developers, etc.
- **Projects and documentation/justification from:**
 - Capital Improvement Plans
 - Emergency Operation Plans
 - Infrastructure Restoration Plans
 - Hazard Mitigation Plans
 - Transportation Studies
 - Joint Land Use & Compatibility Studies
 - Ongoing and Future/Planned Projects



ASCE Report Card 2021			
Aviation	C+	Ports	B
Bridges	B	Roads	C+
Coastal Areas	C-	Schools	D+
Dams	D-	Solid Waste	B+
Drinking Water	C	Stormwater	C-
Energy	C+	Transit	C
Levees	D+	Wastewater	C

Where We Are

- **Kickoff meetings – March 29 & 30 and April 1**
 - 20+ Attendees
 - POCs now expanded 68
- **Working with 10 Defense Communities**

Bay County	Okaloosa	South Florida
Central Florida	Orlando	Space Coast
Clay County	Pensacola	Tampa
Jacksonville		
- **File repository provided to POCs - April 7**
- **Attended Florida Silver Jackets Workshop April 19-20**

Where We Are - continued

- **Working through CPLOs for exclusively USN communities**
- **Received some information from 5 of 10 DCs**
- **Reviewing policy and guidance**
- **Building consolidated resources document**
- **Recent Opportunities**
 - DCIPP - \$90M
 - EPA Brownfields Program - \$1.5B

DCIPP Update

■ Key near term dates

- May 19 & Jun 2 – pre-proposal webinars
- Jul 18 – proposal deadline
- Aug 15-25 – grant applications invited & reviewed

■ Key Changes for FY22

- Military Value – determined by Assessment Panel; not BRAC 2005 charts
- Utilities – non-profit/member owned utilities must partner with state/local gov't
- Scoring Weights – scoring for construction readiness project need increased
- Skip over invited applicants if material changes from proposal

Questions



Charlie.Kuhl@MatrixDesignGroup.com



THE
Roosevelt
GROUP

Military Communities
Discussion

May 18, 2022



Our Firm

- Established in 2012
- Based in Washington, DC
- Almost 50 employees, 10 full-time
- Advocacy with a focus on Capitol Hill and the Pentagon
- Committed to advancing U.S. national security interests
- We serve every client with the same enthusiasm, perseverance and integrity that fueled Roosevelt’s work. We value hard work, high ethical standards and success for our clients.

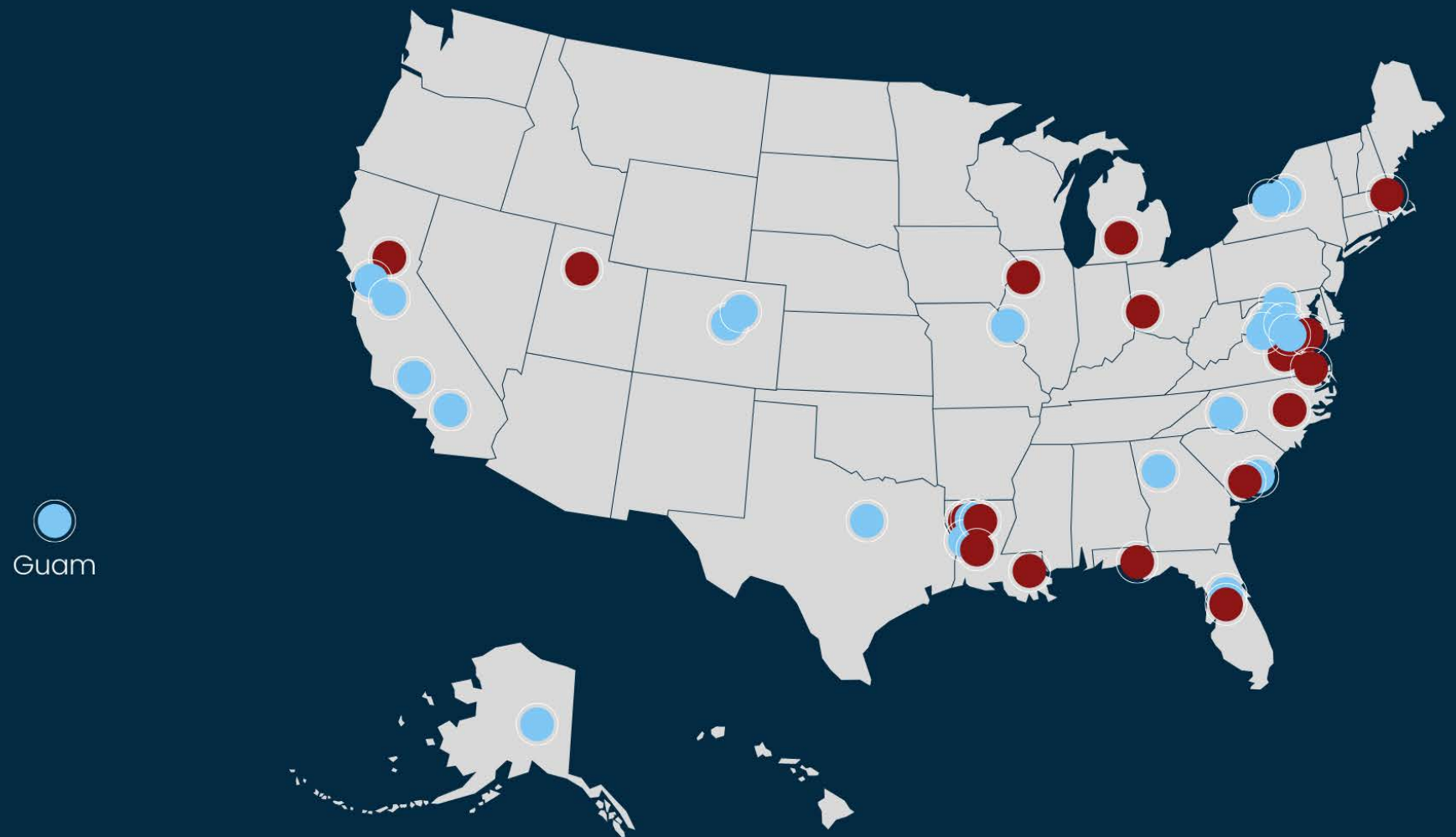
“Far and away the best prize that life has to offer is the chance to work hard at work worth doing.”



Theodore Roosevelt, September 7, 1903
26th President of the U.S. (1858-1919)

DEFENSE & CORPORATE CLIENTS

- Air Tractor
- AirUSA
- Balfour Beatty Communities
- City Light & Power
- CORAS
- Corning Optical
- Deloitte
- DISH Network
- Doyon Utilities
- Google Cloud
- Guam Regional Medical City
- Lewis Retail Centers
- LSU Health Shreveport
- MIT Lincoln Lab
- PEC
- Pegasus Steel
- PEMDAS
- Plasticity
- Praeses
- R2P Innovations
- Signal Point Systems
- Sciperio
- Sparta Science
- SRC, Inc.
- STR
- Tetra Tech



DEFENSE COMMUNITIES

- Barksdale Forward
- Battle Creek Unlimited
- Beale Military Liaison Committee
- Bossier Parish
- Commonwealth of Virginia
- Dayton Development Coalition
- Florida Defense Support Task Force
- Fort Polk Progress
- Friends of Seymour Johnson
- Greater New Orleans
- Hampton Roads Military and Federal Facilities Alliance
- MassDevelopment
- Military Enhancement Committee of Beaufort County, SC
- Quad Cities Defense Alliance
- Southern Maryland Navy Alliance
- Tyndall Bay Defense Alliance
- Utah Defense Alliance

Top Six Things Military Communities Need To Know in 2022

1. **FY23 Defense Budget** - President's Defense Budget Request was submitted several weeks late, was incomplete and criticized on the Left and Right for either being too big or not enough. Congress will not pass a final Defense appropriations bill (or any bills) until after the Midterm Elections in November.
2. **Defense Communities Infrastructure Program (DCIP)** - Congress added tens of millions to DCIP in FY22. This year communities will compete for a share of \$90 million. Federal Funding Opportunity announcement out.
3. **Air Force (Army/Navy coming soon!) Community Scorecard** - Education, Housing, Reciprocity, DEI, medical, etc.
4. **Energy Resilience and Climate Change** - Congress added \$183M to the ERCIP budget providing a total of \$469M. Congress also provided \$25M to Army; \$40M to Navy/Marine Corps and \$40M to Air Force to develop projects, conduct studies and analyses to directly enhance military installation resilience.
5. **Base Realignment and Closure (BRAC)** - Last BRAC was 17 years ago. The process IS **HIGHLY POLITICAL** and can be highly disruptive to defense communities, often based on bad ideas. Department of Defense is again talking of need for BRAC - driven by Secretary of the Air Force citing 20% excess capacity.
6. **Community Project Funding** - "earmarks" are back. MILCON must meet stringent thresholds but don't miss opportunity to compete for funding!

FY22 Omnibus Appropriations Bill

\$1.5 Trillion Package

- **\$782 billion** for defense spending (an increase of 6%)
- **\$730 billion** for domestic spending (an increase of 7%)

Winners!

- **\$145B DoD Procurement** – Shipbuilding; USAF/Navy Aircraft; USAF Classified; National Guard & Reserve Equipment; Missile Defense Agency; Army Trucks/Helicopters/Ground Combat Vehicles; Navy “Shipyard Infrastructure Optimization Plan”
- **\$119B DoD RDT&E** – Space; Micro-electronics; Missile Defense; T&E/Test Range Infrastructure; Classified; **\$2.4B USAF RDT&E; \$1.7B Army RDT&E**
- **\$15B DoD Milcon**

Losers!

- **\$256B DoD Operations & Maintenance Account**
- **\$167B DoD Military Personnel Account**



President Biden's FY23 Defense Budget

(Dollars in Billions)

By Department/Agency	FY 2021 Enacted	FY 2022 Enacted	FY 2023 Request
Army	173.6	173.4	177.3
Navy	206.9	220.3	230.9
Air Force	204.5	220.6	234.1
Defense-Wide	118.7	128.0	130.7
Department of Defense – Subtotal	703.7	742.3	773.0
Supplemental Funding*	1.0	14.3	--
Department of Defense – Total	704.7	756.6	773.0
Atomic Energy Defense Activities	27.5	29.1	29.7
Defense-related Activities	9.5	10.4	10.6
National Defense – Total	741.7	796.1	813.3

* FY 2021 Supplementals include \$521M for Capitol Security and \$500M for Operation Allies Welcome (OAW).

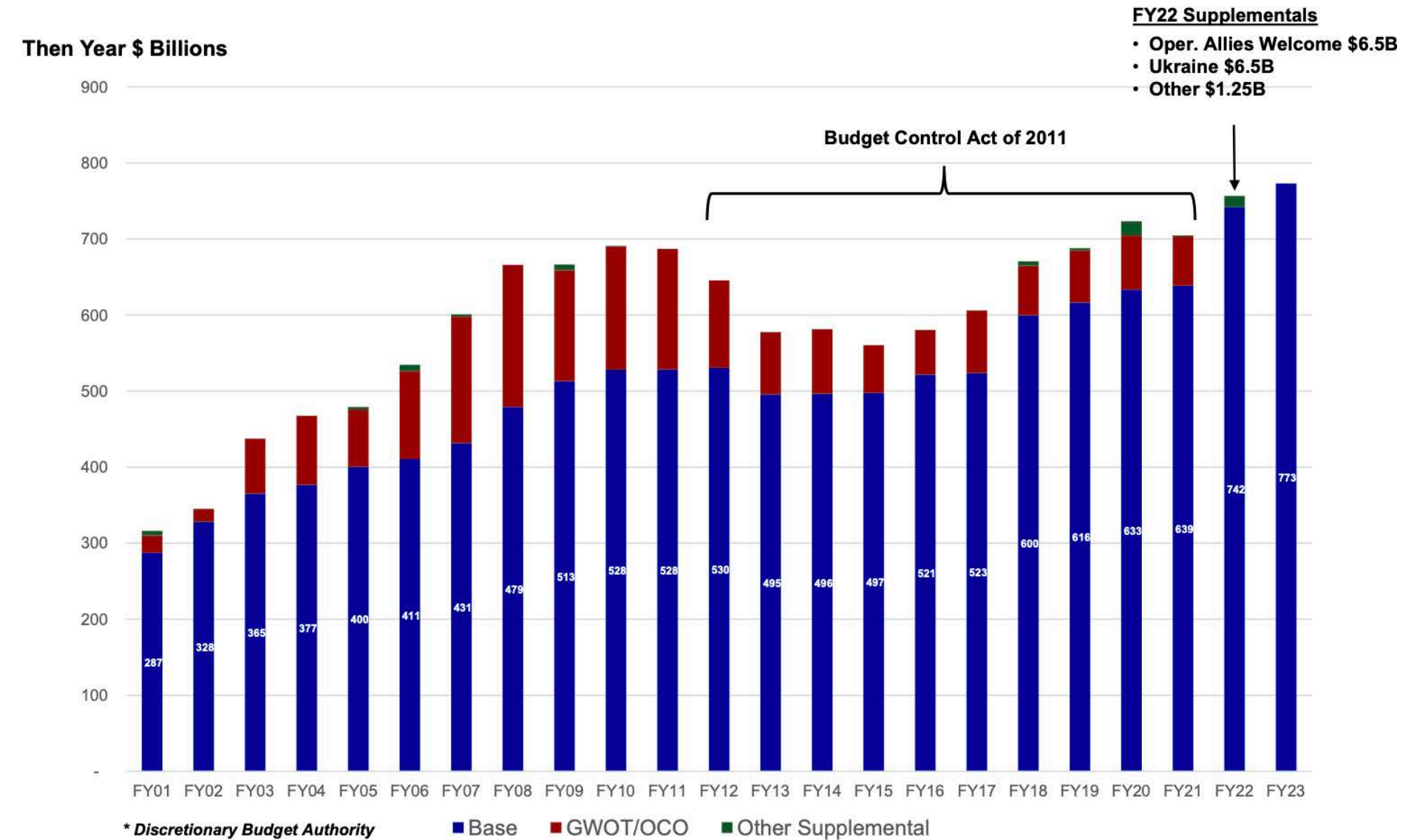
FY 2022 Supplementals include \$4.3B for OAW; \$6.5B for Ukraine; \$895M for Natural Disasters; and \$350M for Red Hill.

President Biden's FY23 Defense Budget

Defense Priorities Renewing America's Advantages

- **Strong and adaptive U.S. military remains a central pillar for U.S. Security**
- **DoD will focus on safeguarding and advancing U.S. vital national interests to:**
 - Protect American security, prosperity, and values
- **FY23 Budget supports and implements new National Defense Strategy**
 - Recognizes China as our key strategic competitor and pacing challenge
 - Russia remains an acute threat to interests of U.S. and our allies
- **DoD will advance our priorities through:**
 - Integrated deterrence
 - Campaigning
 - Building enduring advantages
- **FY23 Budget funds the Joint Force we need to execute our strategy**
 - Lethal, resilient, sustainable, survivable, agile, responsive
 - Budget enhances our capabilities across multiple areas
 - Prioritizes capabilities to counter China or Russia: space, nuclear triad, cyber

DoD Budget FY 2001- FY 2023*



The Department will advance our goals through Integrated Deterrence, campaigning, and actions that build enduring advantages

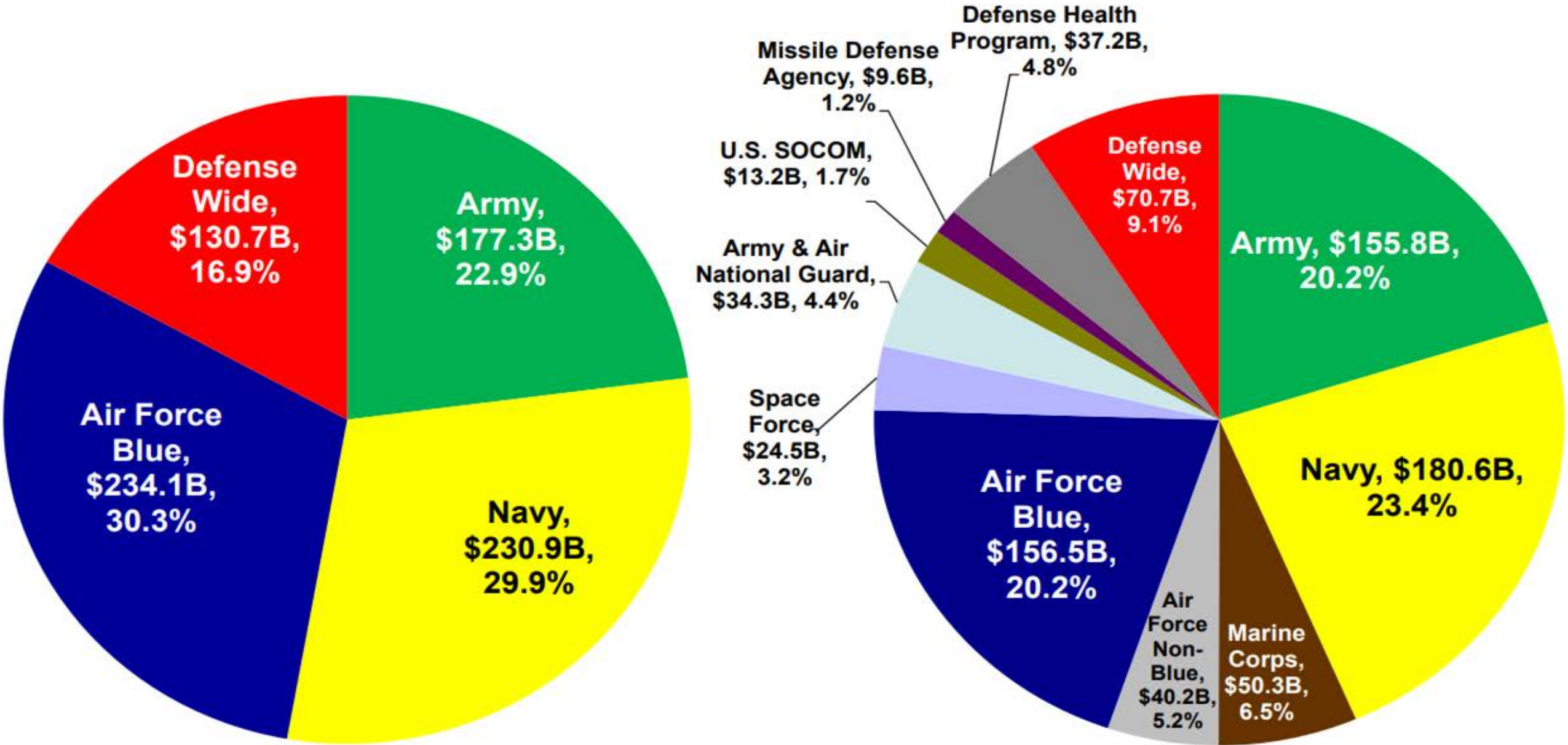
This Budget will align the Department's priorities and capabilities to a changing and dynamic threat landscape

President Biden's FY23 Defense Budget

FY 2023 Funding

By Military Department

Detailed



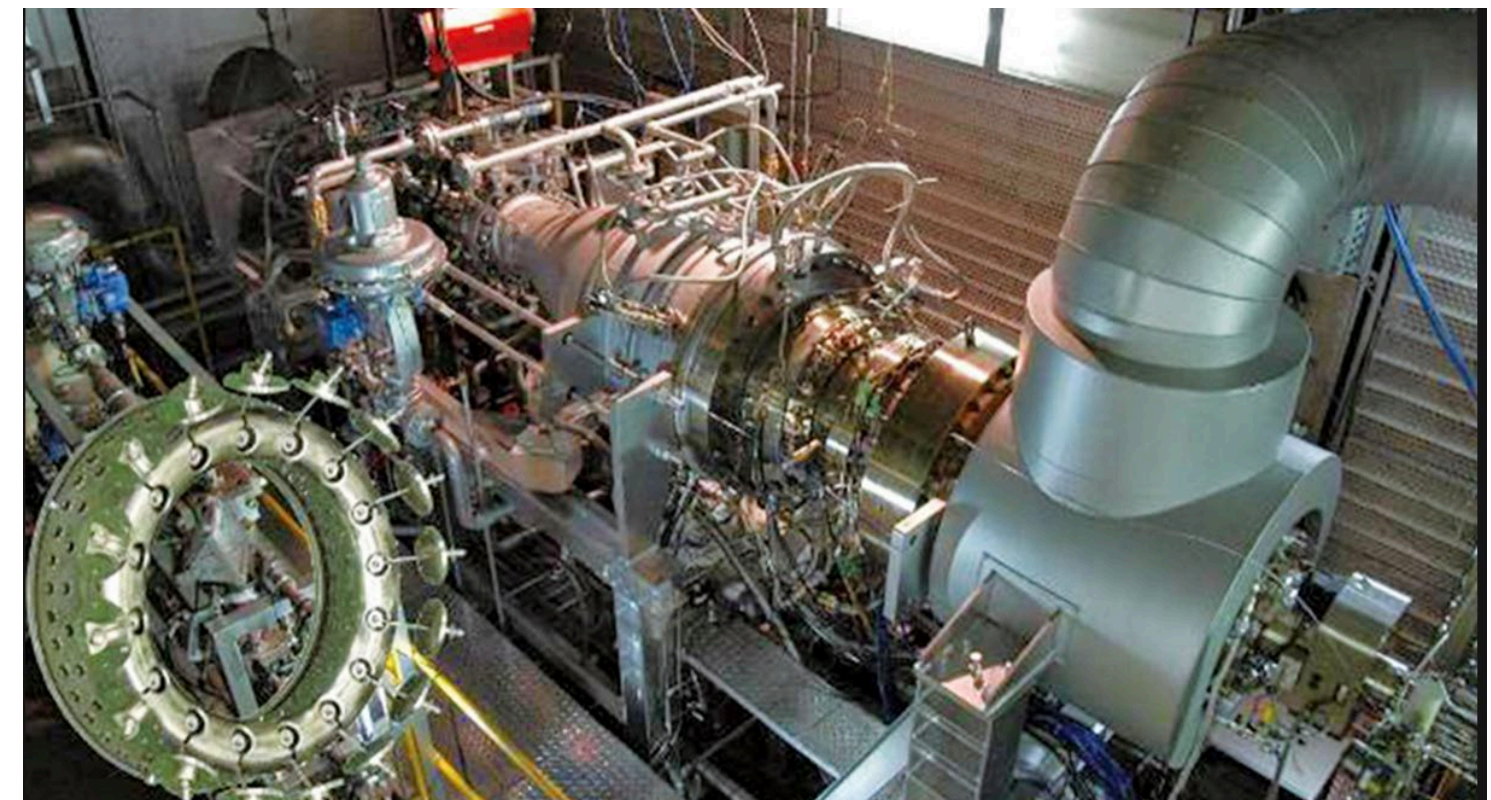
MILCON for Florida

FY23 Request

Florida				
Army National Guard				
Palm Coast				
National Guard Vehicle Maintenance Shop	12,000	12,000	12,000	12,000
Total Palm Coast	12,000	12,000	12,000	12,000
Army Reserve				
Perrine				
Army Reserve Center/AMSA	46,000	46,000	46,000	46,000
Total Perrine	46,000	46,000	46,000	46,000
Navy				
Jacksonville				
Engine Test Cells Modifications	86,232	86,232	86,232	86,232
Total Jacksonville	86,232	86,232	86,232	86,232
Whiting Field				
AHTS Aircraft Flight Simulator Facility	57,789	57,789	57,789	57,789
Total Whiting Field	57,789	57,789	57,789	57,789
**Navy	144,021	144,021	144,021	144,021
Air National Guard				
Jacksonville IAP				
F-35 Construct Flight Simulator Facility	22,200	22,200	22,200	22,200
Total Jacksonville IAP	22,200	22,200	22,200	22,200
FAMILY HOUSING				
Air Force				
Tyndall AFB				
AETC RESTRUCTURING	(150,685)	(150,685)	(150,685)	(150,685)
Total Tyndall AFB	(150,685)	(150,685)	(150,685)	(150,685)
U.S., Special Operations Command				
Hurlburt Field				
SOF Human Performance Training Center	9,100	9,100	9,100	9,100
Total Hurlburt Field	9,100	9,100	9,100	9,100
**Florida	233,321	233,321	233,321	233,321
FAMILY HOUSING	(150,685)	(150,685)	(150,685)	(150,685)

FY22 Final

Florida				
Navy				
Blount Island				
Lighterage And Small Craft Facility	69,400	69,400	69,400	69,400
Total Blount Island	69,400	69,400	69,400	69,400
Air Force				
Eglin AFB				
Advanced Munitions Technology Complex		35,000	35,000	35,000
Flightline Fire Station at Duke Field	14,000	14,000	16,100	16,100
Total Eglin AFB	14,000	49,000	51,100	51,100
Air Force Reserve				
Homestead AFS				
Corrosion Control Facility	14,000	14,000	16,000	16,000
Total Homestead AFS	14,000	14,000	16,000	16,000
Patrick AFB				
Simulator C-130J	18,500	18,500	20,500	20,500
Total Patrick AFB	18,500	18,500	20,500	20,500
**Air Force Reserve	32,500	32,500	36,500	36,500
**Florida	115,900	150,900	157,000	157,000



Defense Community Infrastructure Program: \$90 Million Available for 2022

Eligible Projects

Must be complete and usable transportations, school, hospital, police, fire, emergency response, community support facility or utility infrastructure project.

- Support military installation
- Owned by state or local government or non-profit
- Will enhance mil-value, installation resilience, or quality of life
- Endorsed by local installation commander
- Are construction ready

Order of Prioritization

1. Enhancement of military value
2. Enhancement of military installation resilience
3. Enhancement of military family quality of life

Key Dates

July 18 th	Proposals due to OLDCC
Mid August	OLDCC invites DCIP grant applicants
NLT 27 September	Grant applications awarded

FY22 DCIP Scoring Criteria

1. What is the Enhancement proposed? (0-50 points)

Identification of military value, military installation resiliency, or military family quality of life project proposed to enhance local installation resiliency

1. Military Value (42-50 pts)

- a. Current and future mission capabilities and the impact on operational readiness of DoD total force, including impact on joint warfighting
- b. Availability and condition of land, facilities or associated airspace
- c. Ability to accommodate contingency, mobilization, and future total force requirements
4. Cost of operations and manpower implications

2. Resilience (32-40 pts)

3. Quality of Life (0-30 pts)

2. Is the Project "Construction Ready" (5-30 points)

- a. Final design and planning
- b. Development and bid solicitation documentation
- c. Federal and state/local environmental planning
- d. Site control
- e. Confirmation that non-Federal project funding is firmly committed and immediately available for expensing
- f. Local permitting actions

3. Why is the Enhancement Project Needed? (0-20 points)

- a. Installation commander endorsement letter providing context for the enhancement need

President Biden's FY23 Defense Budget: Energy Resilience and Climate Change

Building Enduring Advantages Addressing the Climate Crisis

Climate change is reshaping geostrategic, operational, and tactical national security and defense environments.

- Climate change is increasing the demand and scope of military operations, impacting readiness, and imposing significant costs on DoD.
- The Department has elevated climate considerations to be an essential element of U.S. national security.
- The FY 2023 request includes \$3.1B for investments that will bolster security in the near-term and lay the groundwork for a more capable future force:
 - Installation Resiliency and Adaptation (\$2.0B)
 - Science and Technology (\$807M)
 - Operational Energy and Buying Power (\$247M)
 - Contingency Preparedness (\$28M)



Building Enduring Advantages Building Resilience and Readiness

Facility Investments

- Builds on prior requests and Congressional action through \$12.2B in investments in Construction and Family Housing programs. DoD investment in facilities supporting our people, enhancing deterrence, and improving critical operational infrastructure includes:
 - \$2.0B for family housing, while ensuring we provide essential oversight and maintenance to reinforce the Department's commitment to provide safe and quality residences to service members and their families
 - \$1.3B supporting the construction of quality-of-life and medical facilities
 - \$2.2B for projects advancing the European Deterrence Initiative, Pacific Deterrence Initiative, and the Ground Based Strategic Deterrent program
 - \$1.3B to improve critical naval infrastructure through the Shipyard Infrastructure Optimization Program
- \$17.0B for Facilities Sustainment, Restoration and Modernization

Red Hill Bulk Fuel Storage Facility

- The budget includes \$1 billion for a new Red Hill Recovery Fund to enable DoD to quickly and flexibly address the health, environmental, and national security needs of the community and the Department.



“Climate change is an existential threat to our nation’s security and the Department of Defense must act swiftly and boldly...” – Secretary of Defense Lloyd J. Austin

Promoting resilience and readiness through superior facility infrastructure

BRAC: The Ultimate Hot-Button Issue for Defense Communities

- Last BRAC was 17 years ago. The process IS **HIGHLY POLITICAL** and can be highly disruptive to defense communities, often based on bad ideas. DoD again talking of need for BRAC.
- Case for saving money was ruined by the 2005 BRAC.
- DoD **SHOULD** be able to divest and/or realign missions to save money and better protect the nation.

But is BRAC the only way to do it?

- Should we consider better mechanisms, that avoid the circus like environment of BRAC, to allow DOD more flexibility to close and realign bases? The existing authorities, and BRAC, are both insufficient.
- Could there be a more inclusive process that guarantees more lucrative real redevelopment options; a better partnership between DoD and the local state and government?

“The Air Force has been overly constrained,” Kendall said. “I think we’ve not been allowed to do things we really need to do to free up resources for things that are higher priority. We’ve had a very hard time getting the Congress to allow us to retire older aircraft.”

*Secretary of the Air Force Frank Kendall
August 17, 2021*

“We’re carrying the costs of a roughly 20 percent excess capacity of real estate.”

*SecAF Kendall
March 3, 2022*

Other Hot-Button Issues for Defense Communities

Plug-In Electric Vehicles

BAH and housing crisis COVID *encroachment*
Community partnerships PFAS
DCIP Energy resiliency Ranges and airspace
MILCON *Real estate actions* Basing
Climate change Coastal resiliency
Diversity, equity and inclusion
Schools and licensure Weapons Systems
Issues

2022 National Defense Strategy

The National Defense Strategy (NDS) is used in the PPBE Process to establish the objectives for the plans for military force structure, force modernization, business processes, supporting infrastructure, and required resources (funding and manpower).

For the first time, DoD conducted strategic reviews in a fully integrated way – incorporating the Nuclear Posture Review (NPR) and Missile Defense Review (MDR). Unclassified version forthcoming.

- Defending the homeland, paced to the growing multi-domain threat posed by the PRC
- Deterring strategic attacks against the US, Allies, and partners
- Deterring aggression, while being prepared to prevail in conflict when necessary, prioritizing the PRC challenge in the Indo-Pacific, then the Russia challenge in Europe
- Building a resilient Joint Force and defense ecosystem





Housing Demand Summary

for
NAS Pensacola

Prepared By
Matrix Design Group, Inc.
29 June, 2022

Background	3
Analysis	4
Housing Market Area Demand	4
NAS Pensacola Personnel Housing Demand.....	6
Military Rental and Home Affordability.....	10
Conclusion.....	12

Executive Summary

The 2022 housing climate is a competitive and disconcerting one for many Department of Defense (DOD) installations as well as their supporting defense communities—Naval Air Station Pensacola (NASP) fits into this category.

This report summarizes the housing supply and demand in NAS Pensacola’s housing market area. It also characterizes the installation’s accompanied /unaccompanied housing demand and affordability needs. After exploring these key areas, the Matrix Design Group (Matrix) team identified four viable recommendations to close existing and future housing gaps for NAS Pensacola:

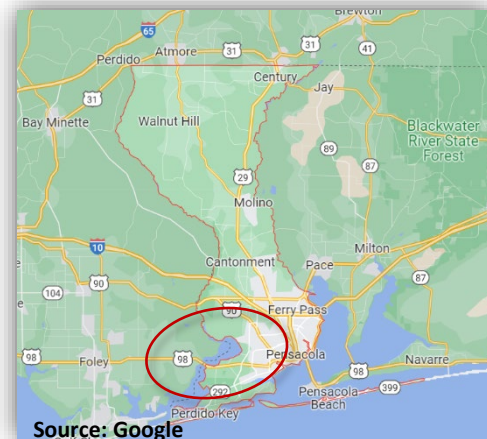
- Escambia County and Pensacola city officials should consider establishing a housing-focused task force that works towards meeting NAS Pensacola’s housing requirements.
- NASP’s Navy Housing Service Center should commission an update to its Housing Requirements and Market Analysis (HRMA) within the next three years.
- NASP’s Unaccompanied Housing Office should pursue an updated R-19 report (*Unaccompanied Housing Requirements*), as the last report was performed in 2011.
- The Pensacola City Housing Department should hire a qualified consultant to conduct an in-depth exploration of state and federal funding/grants that could support residential development activities.

Background

Escambia county is located in Northwest Florida and is home to over 300,000 residents.¹ Naval Air Station Pensacola is a Naval installation located in Escambia County, Florida on the Gulf Coast. This installation supports several operational and training missions to include the Marine Aviation Training Support Groups 21 and 23, Blue Angels, Naval Aviation Schools Command, Naval Air Technical Training Center, and Naval Education Training Command Headquarters.²

In 2021, Robert D. Niehaus, Inc. performed a study to evaluate the availability and affordability of housing for military members assigned to NAS Pensacola for the Commander, Navy Installations Command. The HRMA looked at historical and current data for the housing market area of NAS Pensacola and provided housing requirement predictions for 2026. The most relevant aspects of that report are summarized, expounded upon, and further explored in this white paper, specifically for the purpose of identifying next steps to better characterize the challenges faced and potential solutions to address them.

Figure 1. Escambia County and NAS Pensacola



¹ “QuickFacts Escambia County, Florida.” *United States Census Bureau*, 2021, <https://www.census.gov/quickfacts/escambiacountyflorida>.

² “Naval Air Station Pensacola.” *U.S. Navy*, 2022. <https://cnrse.cnicy.navy.mil/Installations/NAS-Pensacola/>.

The 2021 HRMA looked specifically at the housing market area for NAS Pensacola. The housing market area is defined as areas within a 60-minute commute from the installation “during peak commute periods under average weather conditions.” This area partially extends into the neighboring state of Alabama as well as Santa Rosa County to the East. Figure 2 shows the housing market area (denoted by the black line) for NAS Pensacola.

Analysis

Housing Market Area Demand

Several key indicators are tracked to illustrate housing demand – total population, household population, average household size, occupied housing units, owner-occupied units, and renter occupied units. Table 1 defines each of these indicators.

Figure 2. Housing Market Area for NAS Pensacola



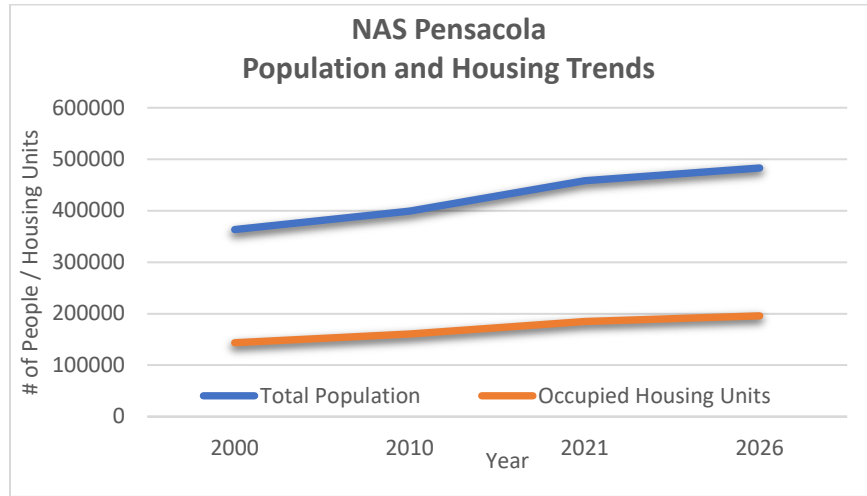
Source: 2021 HRMA Update

Table 1. Description of Housing Demand Key Indicators

Total Population	The total number of people within the Military Housing Area at a specified time.
Household Population	Total number of people within Occupied Housing Units.
Average Household Size	The average number of persons per household.
Occupied Housing Units	The total number of housing units occupied by a person or group of people.
Owner-Occupied Units	The total number of housing units being occupied by the owners of each respective unit.
Renter-Occupied Units	The total number of housing units being occupied by a person or persons, who are not the owner.

Historically, the housing market area around NAS Pensacola has seen a steady rise in population and occupied housing units. Figure 2 illustrates both the Total Population and Occupied Housing Unit changes from 2000 to 2021, with forecasted numbers for 2026.

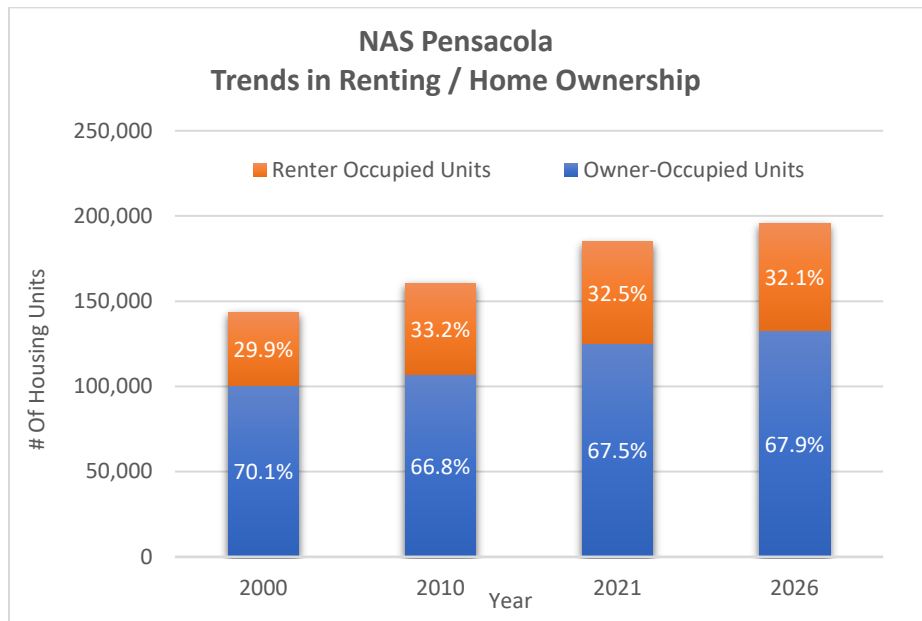
Figure 3. NAS Population and Housing Unit Trends



Source: 2021 HRMA Update

From 2000, there has been a slight shift in the percentage of homeowners versus renters. Figure 3 demonstrates this, showing the overall increase in Occupied Housing Units as well as the shift in renters versus owners.

Figure 4. NAS Pensacola Renter and Owner-Occupied Housing Trends



Source: 2021 HRMA Update

It is important to note that these 2026 postulations were made in 2021, a time in which the housing and market climates were vastly different than they are today. The current climate (rising interest rates, market performance, etc.) may have shifted the outlook for merely a year later.

NAS Pensacola Personnel Housing Demand

In addition to looking at off-base housing for the installation, the 2021 HRMA analyzed on-base housing demand. Supporting data, outlined in the following pages, was pulled from the Commander, Navy Installations Command (CNIC), responsible for installation management to include on-base housing.

In 2021, there were 3,063 military families and 1,940 unaccompanied members assigned to NAS Pensacola. Table 2 (next page) shows the 2021 breakout of housing requirements amongst Officers, Warrant Officers, and Enlisted personnel.

Table 2. Housing Requirements for Personnel Assigned to NAS Pensacola (2021)

Military Grade	# Of Bedrooms			Military Families	Voluntarily Separated	Unaccompanied	Permanent Party Personnel
	Two	Three	Four +				
O7 & Above	-	-	1	1	-	-	1
O6	-	-	52	52	-	2	54
O5	-	114	41	155	2	11	168
O4	-	174	48	222	-	26	248
O3	-	312	52	364	5	96	465
O2	-	98	21	119	-	169	288
O1	152	18	7	177	7	132	316
Officer Total	152	716	222	1,090	14	436	1,540
W5	-	-	-	-	-	-	-
W4	-	-	4	4	-	1	5
W3	-	1	2	3	1	-	4
W2	-	-	-	-	-	-	-
W1	-	1	-	1	-	-	1
Warrant Officer Total	-	2	6	8	1	1	10
E9	-	33	12	45	3	7	55
E8	-	46	27	73	4	9	86
E7	-	173	81	254	5	57	316
E6	-	475	128	603	19	225	847
E5	352	89	50	491	12	326	829
E4	278	42	17	337	11	353	701
E3	136	7	1	144	6	395	545
E2	13	1	1	15	-	97	112
E1	2	-	1	3	-	34	37
Enlisted Total	781	866	318	1,965	60	1,503	3,528
Total	933	1,584	546	3,063	75	1,940	5,078

Source: 2021 HRMA Update

The installation's military member population is expected to increase by nearly 400 service members in 2026. Table 3 shows predictions for housing demand in 2026.

Table 3. Predicted Housing Requirements for Personnel Assigned to NAS Pensacola (2026)

Military Grade	# Of Bedrooms			Military Families	Voluntarily Separated	Unaccompanied	Permanent Party Personnel
	Two	Three	Four +				
O7 & Above	-	-	1	1	-	-	1
O6	-	-	62	62	-	3	65
O5	-	114	41	155	2	14	171
O4	-	179	50	229	-	31	260
O3	-	329	54	383	6	101	490
O2	-	91	20	111	-	170	281
O1	38	5	1	44	1	432	477
Officer Total	38	718	229	985	9	751	1,745
W5	-	-	-	-	-	-	-
W4	-	-	5	5	-	1	6
W3	-	1	2	3	1	-	4
W2	-	-	-	-	-	-	-
W1	-	4	1	5	-	1	6
Warrant Officer Total	-	5	8	13	1	2	16
E9	-	38	12	50	4	7	61
E8	-	51	30	81	5	8	94
E7	-	198	93	291	6	62	359
E6	-	543	147	690	21	235	946
E5	369	94	52	515	13	304	832
E4	271	41	17	329	11	336	676
E3	131	6	1	138	7	424	569
E2	13	-	-	13	-	95	108
E1	2	-	1	3	-	33	36
Enlisted Total	786	971	353	2,110	67	1,504	3,681
Total	824	1,694	590	3,108	77	2,257	5442

Source: 2021 HRMA Update

Table 4 summarizes data tabulated in the HRMA study for accompanied personnel—the existing and future needs for housing units.

Table 4. Summary of Housing Unit Demand for Accompanied Personnel at NAS Pensacola

	2021	2026
Accompanied Homeowners	1099	1067
Accompanied Renters	1514	2041
Estimated Suitable Rentals for Accompanied Military Personnel	959	1491
Acceptably Housed Renters and Homeowners	2058	2558
Community Housing Shortfall	555	550
Occupied Housing Units On-Base	450	0*
Total Requirement for On-Base Accompanied Housing	1005	550
*Assumed 0 in HRMA study		

Source: 2021 HRMA Update

The community housing shortfall considers the gap between “Accompanied Homeowners and Renters” and “Acceptably Housed Homeowners and Renters.” Housing that is either of inferior quality, fails to meet cost requirements, or doesn’t meet bedroom category requirements is not considered “acceptable” housing. The HRMA determined that the Community Housing Shortfall for 2021 was 555 housing units and estimated to be 550 units in 2026. For the shortfall estimates, the most critically needed housing categories were for two-, three-, and four-bedroom homes for military grades between E4 and E6.

Table 5 summarizes the housing demand for unaccompanied members at NAS Pensacola. The shortfall estimated in this study for 2021 was 517 units and 332 units for 2026. The most critically-needed housing categories were for one-bedroom homes for military grades between E3 and E5.

Table 5. Summary of Housing Unit Demand for Unaccompanied Personnel at NAS Pensacola

	2021	2026
Unaccompanied Homeowners	123	137
Unaccompanied Renters	1817	2120
Estimated Suitable Rentals for Unaccompanied Military Personnel	1300	1788
Acceptably Housed Renters and Homeowners	1423	1925
Community Housing Shortfall	517	332

Source: 2021 HRMA Update

The HRMA also highlighted the shortcoming in the Table 5 data as it was pulled from the most recent R-19 report for *Unaccompanied Housing Requirements*, which was conducted in 2011.

Military Rental and Home Affordability

All military personnel (accompanied and unaccompanied) living in community housing off-base, receive a housing stipend known as a Basic Allowance for Housing (BAH). This stipend increases as a member gains rank and if the member has dependents. Ideally, this amount also fluctuates based on market conditions (e.g. the median market rent and average utilities for the housing area). The DOD reviews this stipend annually and relies on data from local commands and housing offices.³ In September of 2021, the DOD announced a temporary rate increase for 56 communities,⁴ which included nearby Eglin Air Force Base, but not NASP. Broadcasting the housing challenges faced by the city of Pensacola to the CNIC is vital to advocating for both routine annual adjustments to BAH and potential eligibility for future rounds of temporary increases.

The Maximum Allowable Housing Cost (MAHC) is used to also determine acceptable housing units for military members within the community housing inventory. This number is determined by a combining a member’s BAH with a National Out of Pocket (OOP) expense. Table 5 shows the ranges of MAHC from E1 to O7 (and above), as well as accompanied and unaccompanied personnel.

Table 6. Range of MAHC for Accompanied and Unaccompanied Personnel at NAS Pensacola (2021)

Pay Grade	Accompanied Housing			Unaccompanied Housing		
	BAH	OOP	MAHC	BAH	OOP	MAHC
O7 and above	\$2,100	\$158	\$2,258	\$1,827	\$145	\$1,972
E1	\$1,461	\$86	\$1,547	\$1,191	\$70	\$1,261

Source: 2021 HRMA Update

Another critical focus area of consideration is homeownership affordability, considering several costs associated with homeownership (interest, property taxes, insurance, utilities, etc.). In 2021 the military personnel were spending 106.8 percent of their housing allowance to cover the cost of owning a home, this number is expected to rise to 115.9 percent in 2026. Table 6 summarizes the current and future findings for home affordability in the housing market area.

Table 7. Military Homeownership Affordability Analysis for NAS Pensacola

Indicator	Comment/Description	2021	2026
Purchase Price	Median sales price of a residential home, Projection to 2026 assumes 3.1%/year increase	\$ 247,454	\$ 288,340
Monthly Cost	Loan payment plus property taxes plus insurance plus utilities	\$ 1,805	\$ 2,219
Military Allowances	Weighted average housing allowance for military personnel, \$/month	\$ 1,691	\$ 1,914
Affordability Gap (\$)	Monthly Cost minus military allowance equals cost to be borne from base pay or other income (spouse, second job, etc.)	\$ 115	\$ 305

³ “DoD Releases 2022 Basic Allowance for Housing Rates.” *U.S. Department of Defense*, 2021. <https://www.defense.gov/News/Releases/Release/Article/2874398/dod-releases-2022-basic-allowance-for-housing-rates/>.

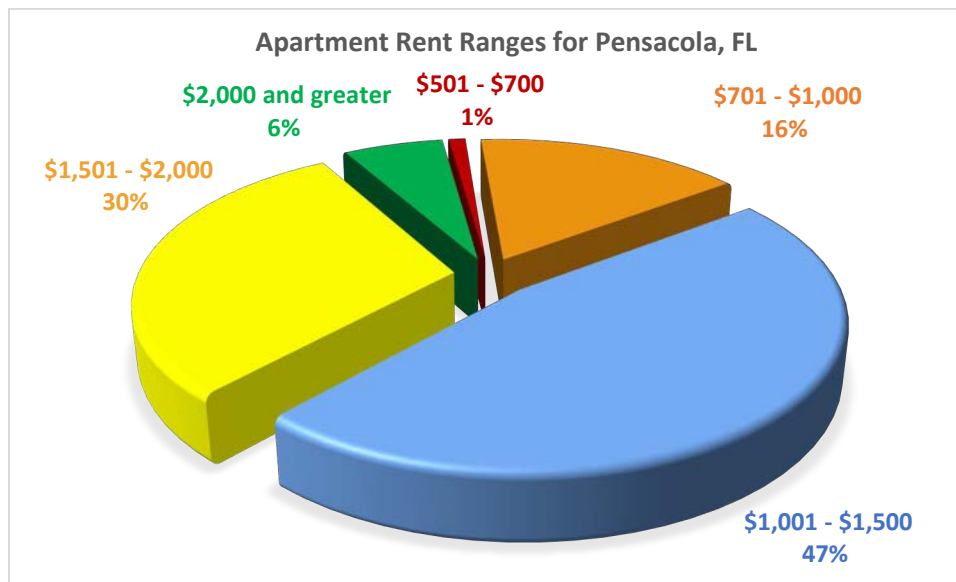
⁴ https://www.defensetravel.dod.mil/Docs/BAH_Temporary_Increase_Rates_Changes_Only.pdf

Affordability Gap (%)	Monthly Cost as a percent of military allowance	106.8%	115.9%
-----------------------	---	--------	--------

Source: 2021 HRMA Update

It should be noted that with recent spikes in interest rates and inflation, that military members could see greater costs associated with homeownership or renting in 2026. For example, the current (March 2022) median home price in Escambia County, is \$280,000, 27 percent higher than the average for the county in May of 2021.⁵ Rental rates in Pensacola have also seen a significant increase within the last year (March 2021 to February 2022). The current average cost of rent is \$1,391, nearly a \$200 increase from the previous year.⁶ Figure 4 further illustrates the breakout of rental prices within the city of Pensacola.

Figure 5. Apartment Rent Ranges for Pensacola, FL



Source: RentCafe

⁵ "Escambia County, Florida Real Estate Market Report." *Pensacola News Journal*, 2022. <https://data.pnj.com/real-estate-market-report/>.

⁶ "Pensacola, FL Rental Market Trends." *RentCafe*, 2022. <https://www.rentcafe.com/average-rent-market-trends/us/fl/pensacola/>.

Conclusion

The current housing crisis, particularly the increased home and rental prices, is affecting defense communities throughout the United States. Some defense communities have recognized this and taken steps to build supportive housing partnerships with the installations that they support. For example, the Air Force's Community Partnership (AFCP) Program provides a "framework through which installations and community leaders can leverage their unique capabilities to enhance mission performance, reduce costs, and improve quality of life."⁷

Altus Air Force Base leadership and Altus, Oklahoma city officials worked to close housing gaps through this community partnership. This was accomplished through re-zoning land adjacent to the installation, developing multi-family condominium and townhome rental units geared toward the individuals needing housing the most (E5 and E6 military grades), and securing Oklahoma Department of Commerce loans.

The AFCP's framework recommends first assembling a diverse, but focused housing task force that includes leaders in the community and city, county, state, and federal officials. Then, leveraging data like that found in a HRMA, identify opportunities and requirements for development in the community. The final recommendation in the framework is to explore innovative, "outside the box" resources and solutions like state and federal grants or funding.

To close housing gaps for NAS Pensacola's personnel, Matrix recommends a similar approach as the AFCP Program. The following actions are therefore recommended:

- Escambia County and Pensacola city officials should consider establishing a housing-focused task force that works towards meeting NAS Pensacola's housing requirements.
- NASP's Navy Housing Service Center should commission an update to its Housing Requirements and Market Analysis (HRMA) within the next three years.
- NASP's Unaccompanied Housing Office should pursue an updated R-19 report (*Unaccompanied Housing Requirements*), as the last report was performed in 2011.
- The Pensacola City Housing Department should hire a qualified consultant to conduct an in-depth exploration of state and federal funding/grants that could support residential development activities.

⁷ "Department of Air Force Community Partnerships Resolve Base Housing Gaps." *Air Force Community Partnership Program*, 2022. <https://www.altus.af.mil/News/Article/2929581/department-of-air-force-community-partnerships-resolve-base-housing-gaps/>.



MacDill Air Force Base

Col Cory Damon
Vice Commander, 6th Air Refueling Wing

MACDILL COMMUNITY HOUSING & FAMILY RESILIENCE TASK FORCE

5 & THRIVE: Childcare, Education, Healthcare, Spouse Employment, Housing

Workforce Housing in the Community

- Rental Partnership Program
- Hillsborough County Commission Initiatives

Access to On-Base Housing

- Housing Requirements & Market Analysis (AF)
- Management of the Resource

Transportation

- Urban Sprawl to Workforce Housing
- Carpool Incentive Program (TBARTA)
- Reduced Tolls on 1 Tollway (Selmon)
- Cross-Bay Ferry Project (2 years away)

Communication

- Improved Services Directory (one-stop)
- Improved Messaging to Inbound Personnel
- Unit Sponsorship Programs





NAVY HOUSING JACKSONVILLE, FL.

- Jacksonville Demographics for Military Installations
- Basic Allowance for Housing
 - 1 year behind from time of survey
- Decrease in Rental Units
 - Landlords/realtors decision to no longer rent
- Supply versus demand;
 - Increase rent (~14%)
- Rental Partnership Program (RPP) Decreased
 - Landlords/realtors limited to BAH

HOUSING STRATEGY & ANALYSIS

Florida Defense Alliance

Brittany Smart
Fairbanks North Star Borough
August 31, 2022





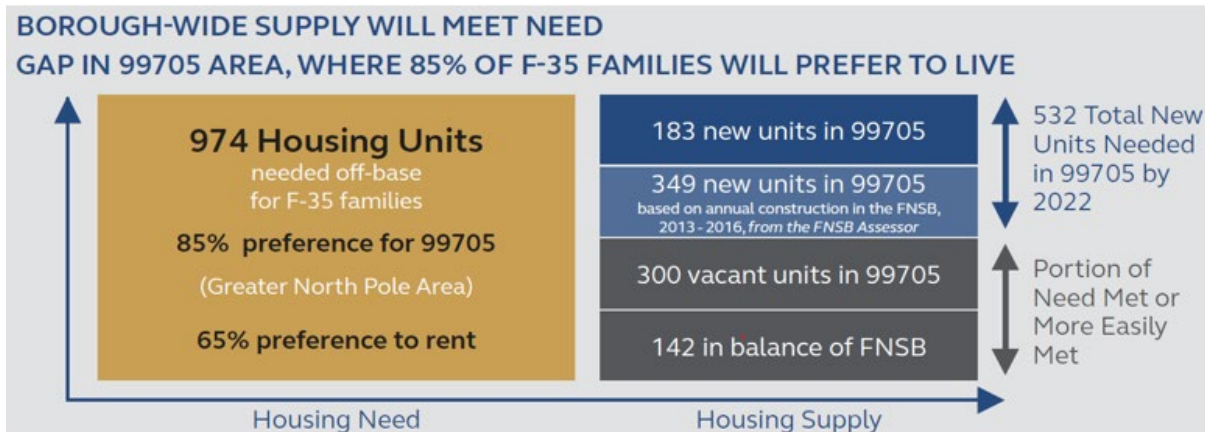
EAFB Regional Growth Plan (RGP) Completed in 2018

Known & Projected Obstacles & Opportunities:

- Unpredictable market demand
- Air Force partnership necessary for larger housing projects
- Financial feasibility limitations for multi-family product
- Limited equity in local market
- Infrastructure limitations
- Lack of energy efficient homes
- Opportunities for single family, duplex, and townhomes

Community Response

- New residential construction exceeded RGP projections through 2020
- Housed approximately 1,200 service members and their families (85%+)



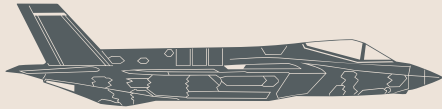
	Forecast 2017-2020	Actual 2017-2020	Note
1. North Pole & Vicinity	60 units/year avg 241 units 2017-2020	115 units/year avg 461 units 2017-2020	Actual exceeded forecast by 48%
2. Salcha	7 units/year avg 30 units 2017-2020	10 units/year avg 39 units 2017-2020	Actual slightly exceeded forecast
3. Rest of FNSB	171 units/year avg 685 units 2017-2020	102 units/year avg 507 units 2017-2020	Actual was less than forecast
4. Total FNSB	248 units/year avg 994 units 2017-2020	252 units/year avg 1,007 units 2017-2020	Actual slightly exceeded forecast

FNSB MILITARY HOUSING NEED

Compared to New Construction | Inbound Service Members for Federal Fiscal Year 2022

INBOUND F-35 PERSONNEL¹

Oct 1, 2021 - Sept 30, 2022



226 F-35 Personnel

¹ Eielson Air Force Base 354th Mission Support Group

UNDERSTANDING THE NEED

One person **does not** equal one housing unit, but rather a fraction.² (Single/lower rank personnel tend to live together)

1 face x 0.6 housing units = Housing Unit Demand³

226 personnel x 0.6 units =

136 unit demand

² FNSB EAFB Regional Growth Plan, pg. 68 ³ Housing Summit Presentation 10-25-21, slide 22

WHAT WE HAVE DONE⁴

New construction avgs from 2017-2020

115 units/year avg in 99705 area

102 units/year avg in Fairbanks

10 units/year avg in Salcha

⁴ FNSB EAFB Regional Growth Plan, pg. 71

WHERE SERVICE MEMBERS LIVE

85% **115** units needed in 99705 area

11% **15** units needed in Fairbanks

4% **6** units needed in Salcha

EXCESS⁶ CAPACITY

0 units/year avg in 99705 area

87 units/year avg in Fairbanks

4 units/year avg in Salcha

⁶ Housing Summit Presentation 10-25-21, slide 9

227 avg new units/year - **136** total unit demand = **91** FNSB excess capacity

THE TAKEAWAY:

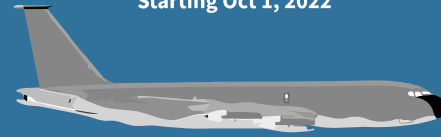
In 2022, the community can deliver quality homes and increase margins in the housing market.

FNSB MILITARY HOUSING NEED

Compared to New Construction | Inbound Service Members for KC-135 Beddown

INBOUND KC-135 PERSONNEL¹

Starting Oct 1, 2022



220 KC-135 Personnel

¹ Eielson Air Force Base 354th Mission Support Group

UNDERSTANDING THE NEED

One person **does not** equal one housing unit, but rather a fraction.² (Single/lower rank personnel tend to live together)

1 face x 0.6 housing units = Housing Unit Demand³

220 personnel x 0.6 units =

132 unit demand

² FNSB EAFB Regional Growth Plan, pg. 68 ³ Housing Summit Presentation 10-25-21, slide 22

WHAT WE HAVE DONE

New construction avgs from 2017-2020

115 units/year avg in 99705 area

102 units/year avg in Fairbanks

10 units/year avg in Salcha

⁴ FNSB EAFB Regional Growth Plan, pg. 71

WHERE SERVICE MEMBERS LIVE

85% **112** units needed in 99705 area

11% **15** units needed in Fairbanks

4% **5** units needed in Salcha

EXCESS CAPACITY

3 units/year avg in 99705 area

87 units/year avg in Fairbanks

5 units/year avg in Salcha

⁶ Housing Summit Presentation 10-25-21, slide 9

227 avg new units/year - **132** total unit demand = **95** FNSB excess capacity

THE TAKEAWAY:

Starting in 2023, the community can meet and exceed the KC-135 housing need.

Housing Task Force (HTF)

Housing
Strategy
& Analysis



DATA TEAM

- Fairbanks North Star Borough
- State of Alaska, Governor's Office
- Alaskan NORAD Region, Alaskan Command, & 11th Air Force
- Eielson Air Force Base
- US Army Alaska Fort Wainwright
- Alaska Housing & Finance Corporation
- Greater Fairbanks Board of Realtors

UNITS

- FNSB Community Research Quarterly
 - FNSB Quarterly Rental Survey – Existing Rentals
 - Greater Fairbanks Board of Realtors Multiple Listing Service (MLS) – Home Sales
 - FNSB Assessing – New Construction

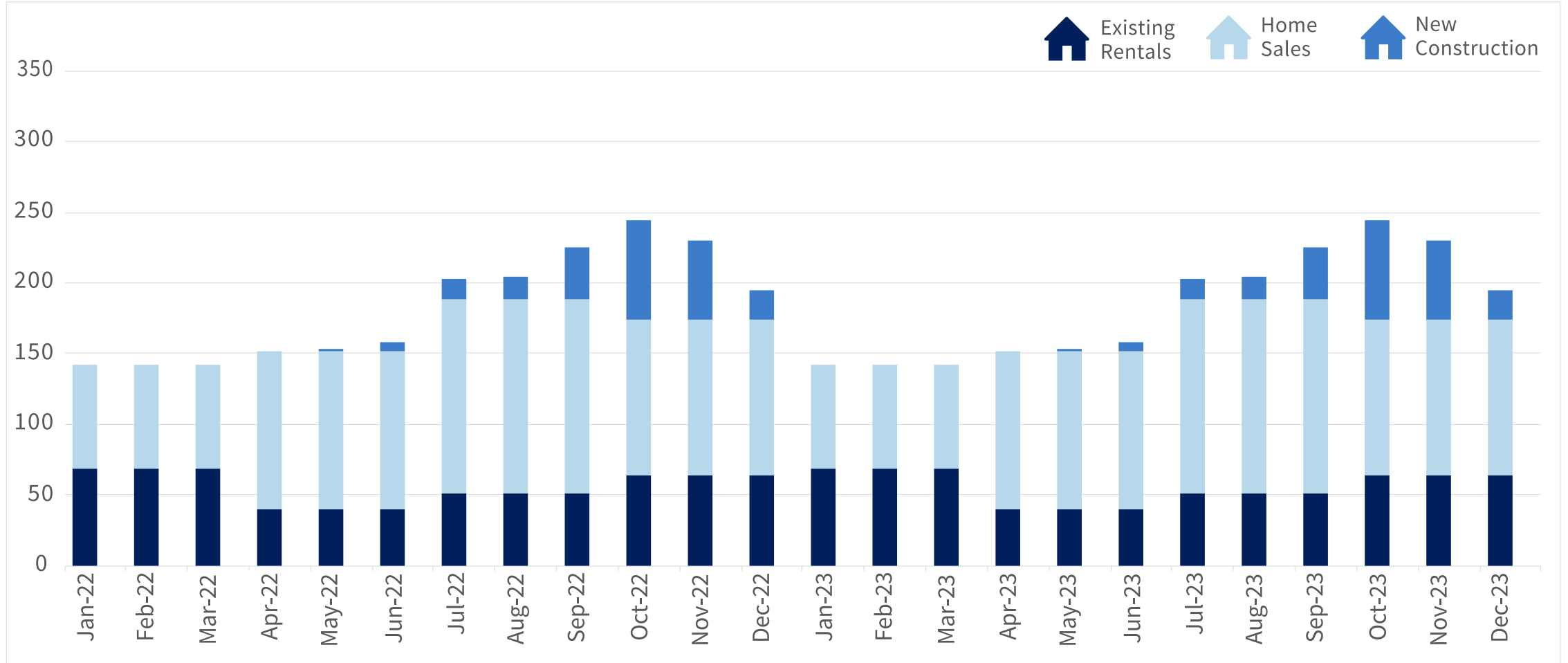
PERSONNEL

- 354TH Mission Support Group

FNSB Unit Availability: 5-Year Average



24-Month Unit Availability Borough-wide



Understanding the Need

UNDERSTANDING THE NEED

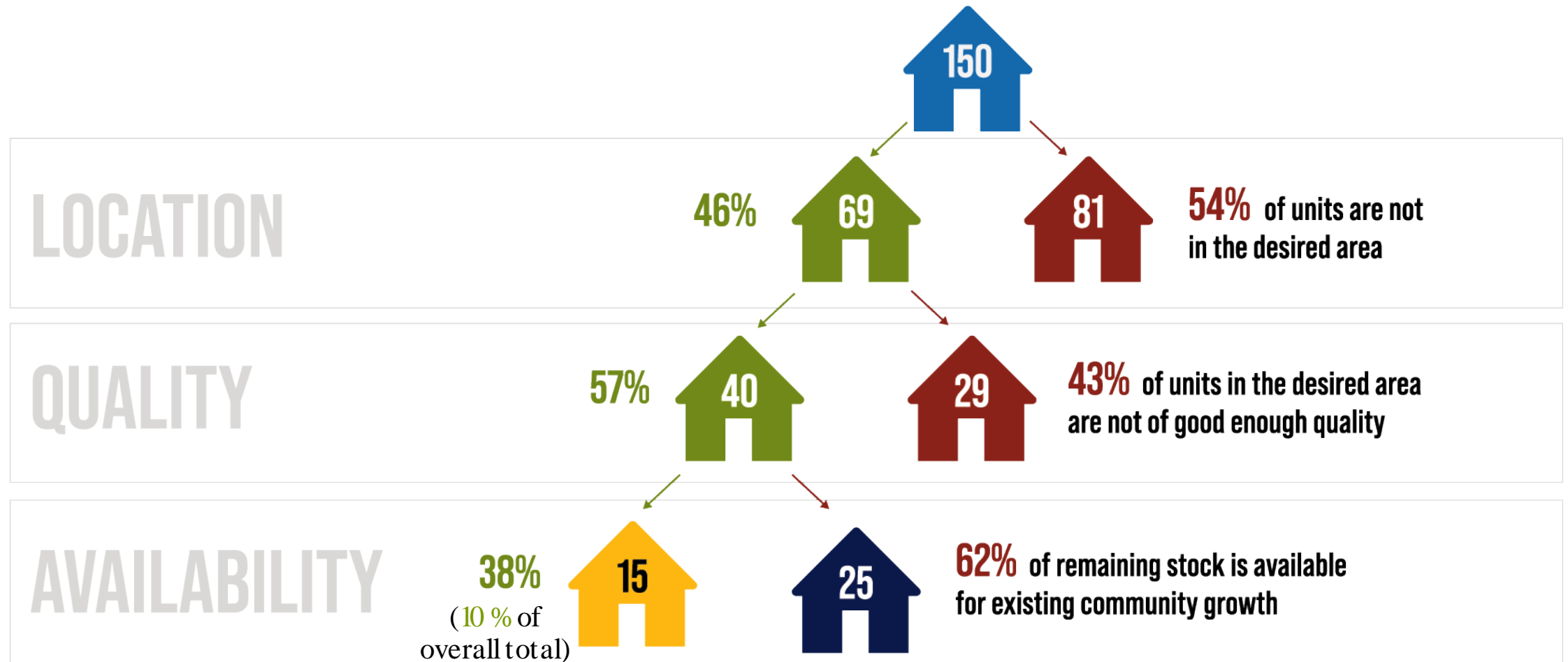
One person **does not** equal one housing unit, but rather a fraction. To calculate the number of units needed by incoming personnel, the following formula was used:

$$\begin{array}{c} \text{Person Icon} \\ 1 \\ \text{face} \end{array} \times \begin{array}{c} \text{House Icon} \\ 0.6 \\ \text{housing units} \end{array} = \text{Housing Unit Demand}$$

Quantifying the Need



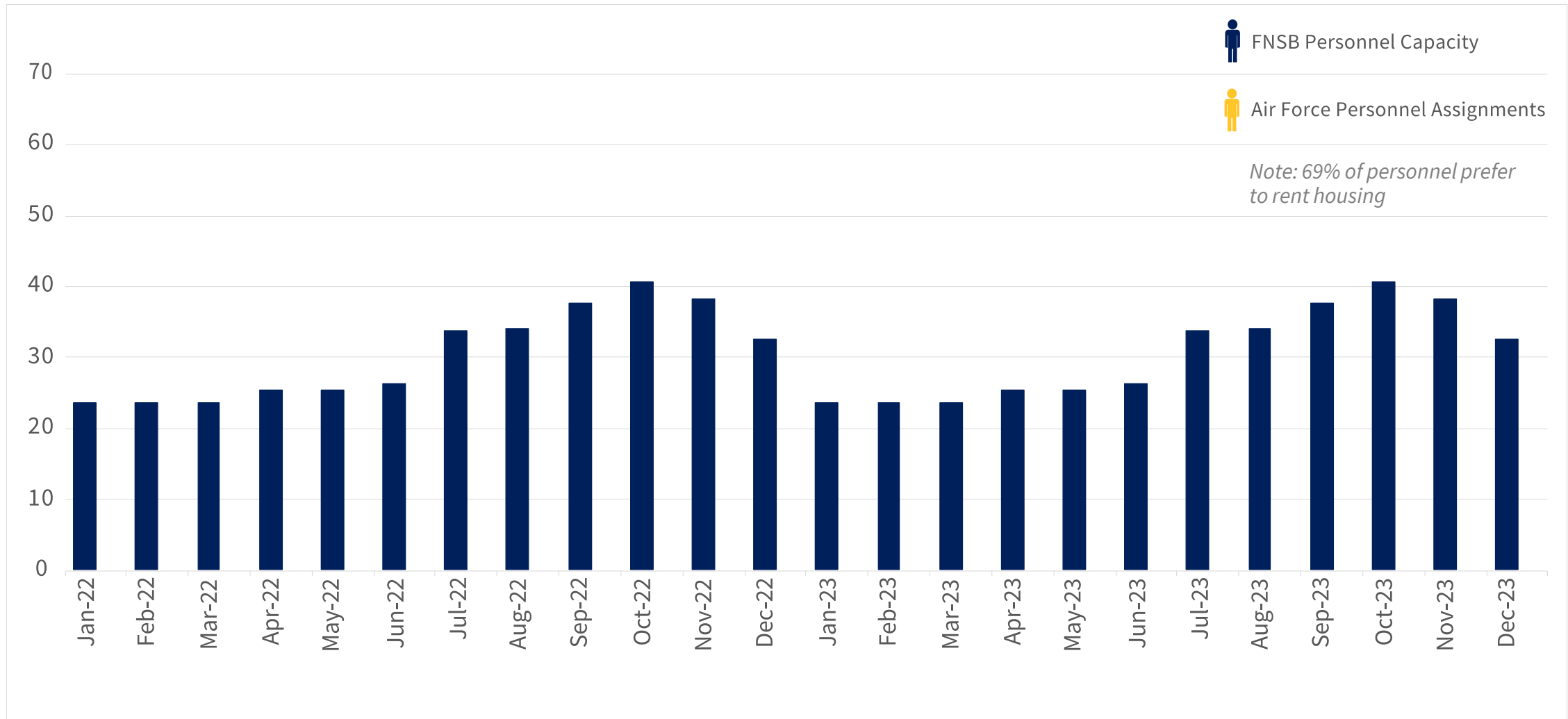
Example: Units Available in Each Month



Housing Availability vs. Net Gain



Housing Availability vs. Net Gain Personnel (by month)



Housing Availability vs. Net Gain



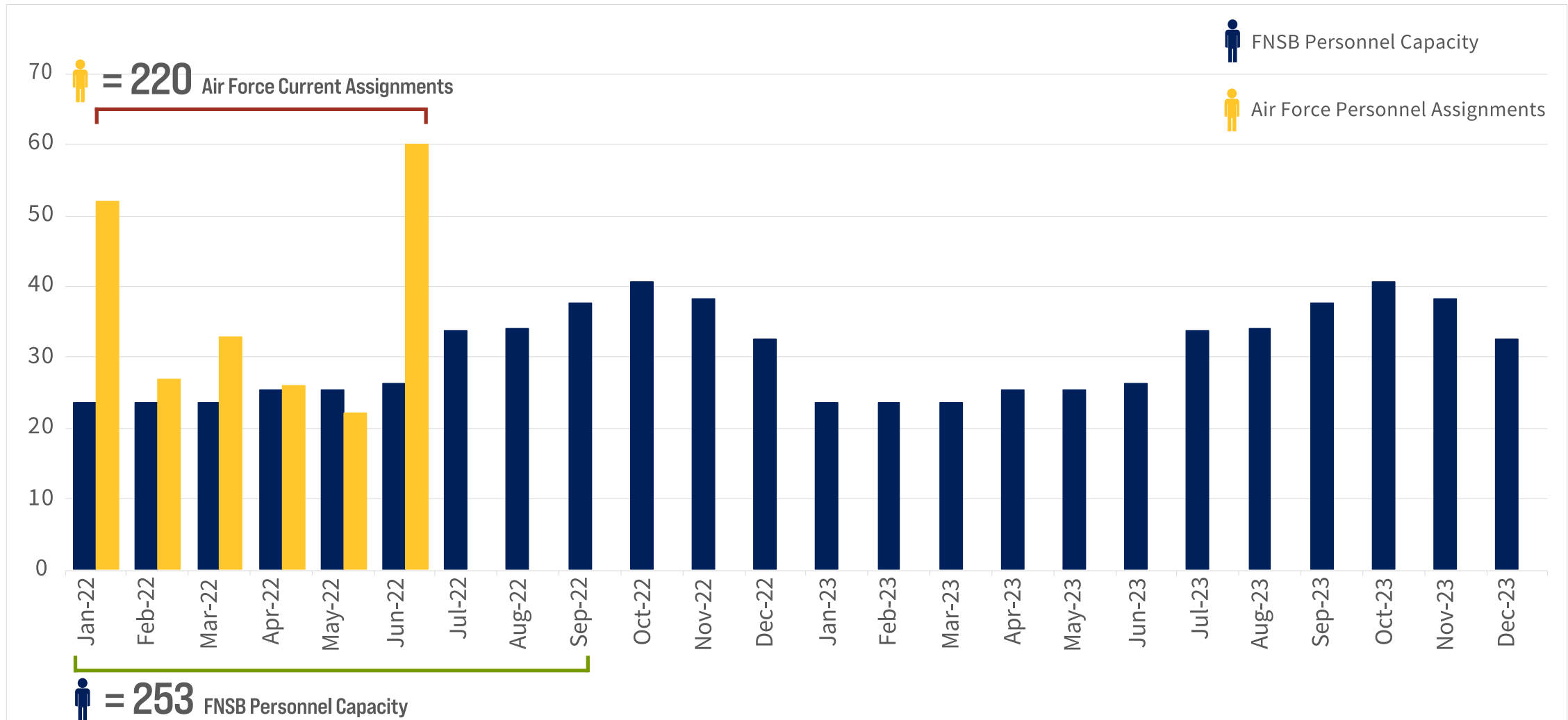
Housing Availability vs. Net Gain Personnel (by month)



Housing Availability vs. Net Gain



Housing Availability vs. Net Gain Personnel (by month)



Ongoing Analysis: Demand



Year	Authorized	Faces	Increase	# Units	# NP	# FAI	# Salcha
FFY 2021	2,981	2,683	376	226	192	25	9
FFY 2022	3,232	2,909	226	136	115	15	5
FFY 2023	3,459	3,113	204	122	104	13	5

North Pole	Total	Rent	Buy
2021	192	132	59
2022	115	79	36
2023	104	72	32

Fairbanks	Total	Rent	Buy
2021	25	17	8
2022	15	10	5
2023	13	9	4

Salcha	Total	Rent	Buy
2021	9	6	3
2022	5	4	2
2023	5	3	2

Data Indicators



Key Data

- Personnel – #, Rank, (un)accompanied, BAH
 - Location
 - Housing Type (SFR vs MF, rent vs. own)
 - Affordability
- MLS Data – availability & sales
- Rental Survey - # units & vacancy rate
- Assessing – new construction

New Data

- MFH Tax Exemption – annual report

Indicators of Activity

Note – no building permits are required outside of City limits

- New electrical hook ups
- New address requests
- Assessing – observance of new construction
- Subdivision applications
- Zoning permits

Thank You!

Brittany Smart
Brittany.Smart@fnsb.gov
 (907) 459-1302



FNSB MILITARY HOUSING NEED
 Compared to New Construction | Inbound Service Members for Federal Fiscal Year 2022

INBOUND F-35 PERSONNEL
 Oct 1, 2021 - Sept 30, 2022

UNDERSTANDING THE NEED
 One person does not equal one housing unit. Staff officers & their families are also included in this report.
 1 Base x 0.6 housing units = Housing Unit Demand
 226 personnel x 0.6 units =

226 F-35 Personnel **136 unit demand**

WHAT WE HAVE DONE
 New construction supply from 2022-2029

WHERE SERVICE MEMBERS LIVE

EXCESS CAPACITY

227 new units/year - **136** total unit demand = **91** FHB excess capacity

THE TAKEAWAY:
 In 2022, the community can deliver quality homes and increase margins in the housing market.

SERVE • LEAD • THRIVE

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FNSB MILITARY HOUSING NEED
 Compared to New Construction | Inbound Service Members for KC-135 Reddison

INBOUND KC-135 PERSONNEL
 Starting Oct 1, 2022

UNDERSTANDING THE NEED
 One person does not equal one housing unit. Staff officers & their families are also included in this report.
 1 Base x 0.6 housing units = Housing Unit Demand
 220 personnel x 0.6 units =

220 KC-135 Personnel **132 unit demand**

WHAT WE HAVE DONE
 New construction supply from 2022-2029

WHERE SERVICE MEMBERS LIVE

EXCESS CAPACITY

227 new units/year - **132** total unit demand = **95** FHB excess capacity

THE TAKEAWAY:
 Starting in 2023, the community can meet and exceed the KC-135 housing need.

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BACKUP DOCUMENTATION

Housing Market Formula



Calculating Inventory

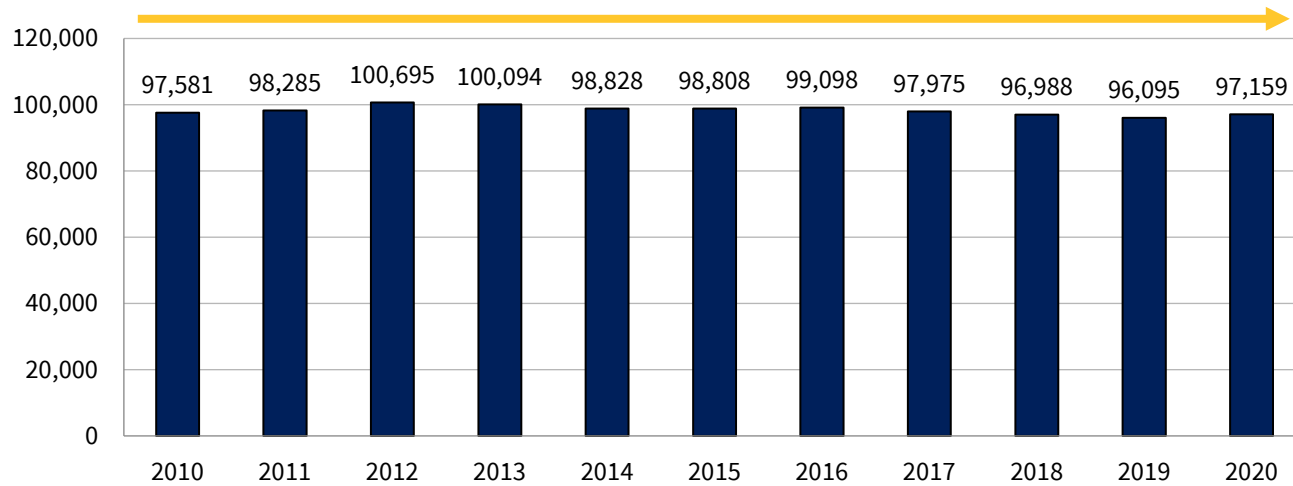
To calculate the months of inventory for any given market, divide the total number of active listings on the market last month by the number of sold transactions for the last month. The resulting figure determines the number of months of inventory remaining. A healthy market is 3 months of available inventory.

$$\begin{array}{ccc} \begin{array}{c} \img alt="Icon of a magnifying glass over a house on a document" data-bbox="271 611 338 731"/>
Total Active
Listings from
Previous Month \end{array} & \div & \begin{array}{c} \img alt="Icon of a house with a speech bubble" data-bbox="434 608 511 744"/>
Sold Transactions
from Previous
Month \end{array} = \begin{array}{c} \# of Months of
Inventory Remaining \end{array} \end{array}$$

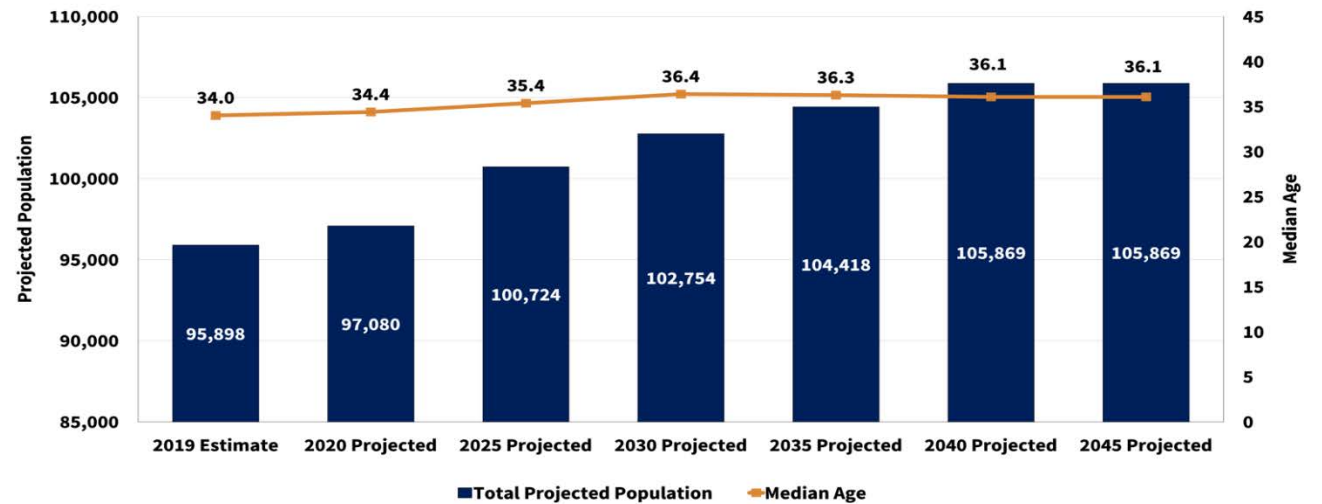
FNSB Population



FNSB 10-Year Population Trends, 2010-2020



FNSB Projected Population and Median Age, 2019-2045

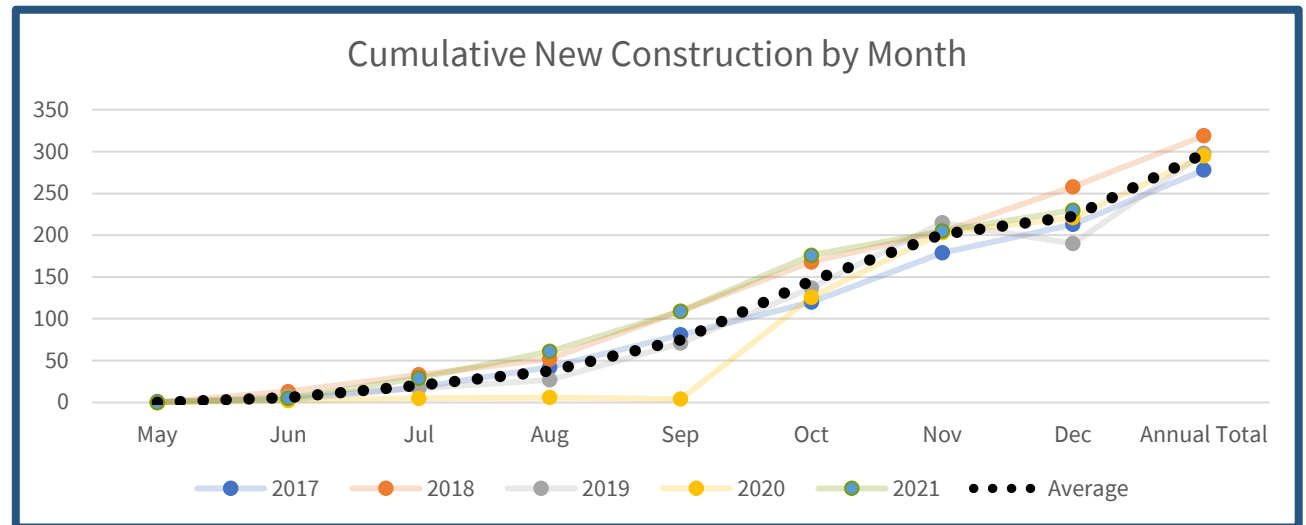
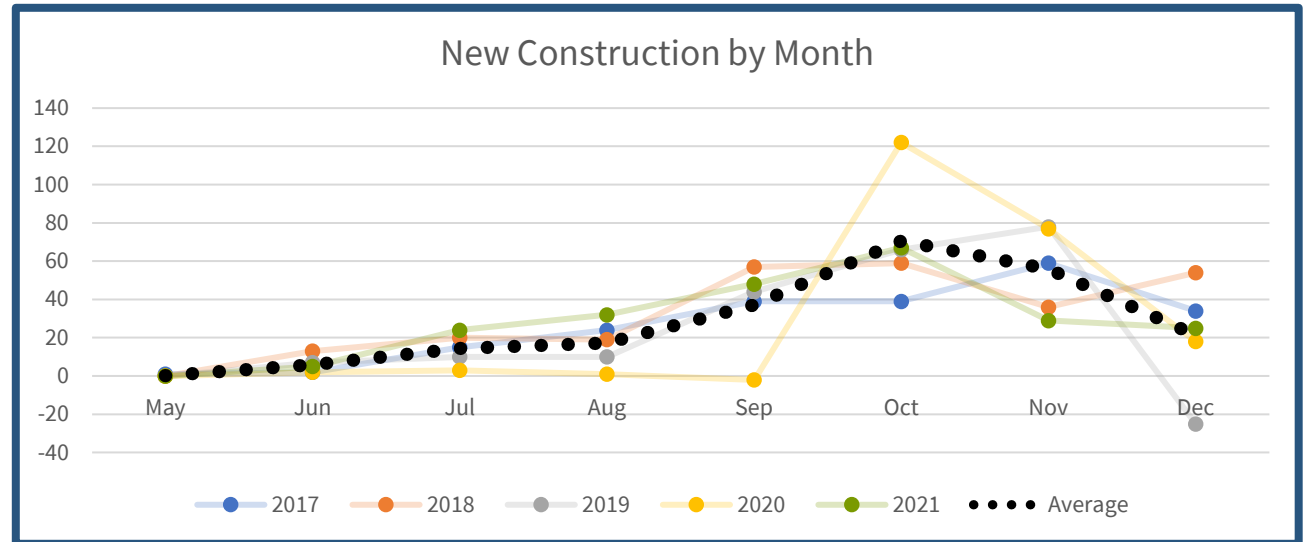


Source: 2019-2045 Alaska Department of Labor and Workforce Development, Research and Analysis section

New Construction



- **Despite historic challenges, the 2021 build season kept pace with the 5-year average.**
- Preliminary assessing data indicates new construction for 2021 **exceeded** the last two years.



	December Prelim Data	Final Annual Total
2017	213	278
2018	258	319
2019	190	298
2020	221	295
2021	230	TBD
Average	222.4	297.5

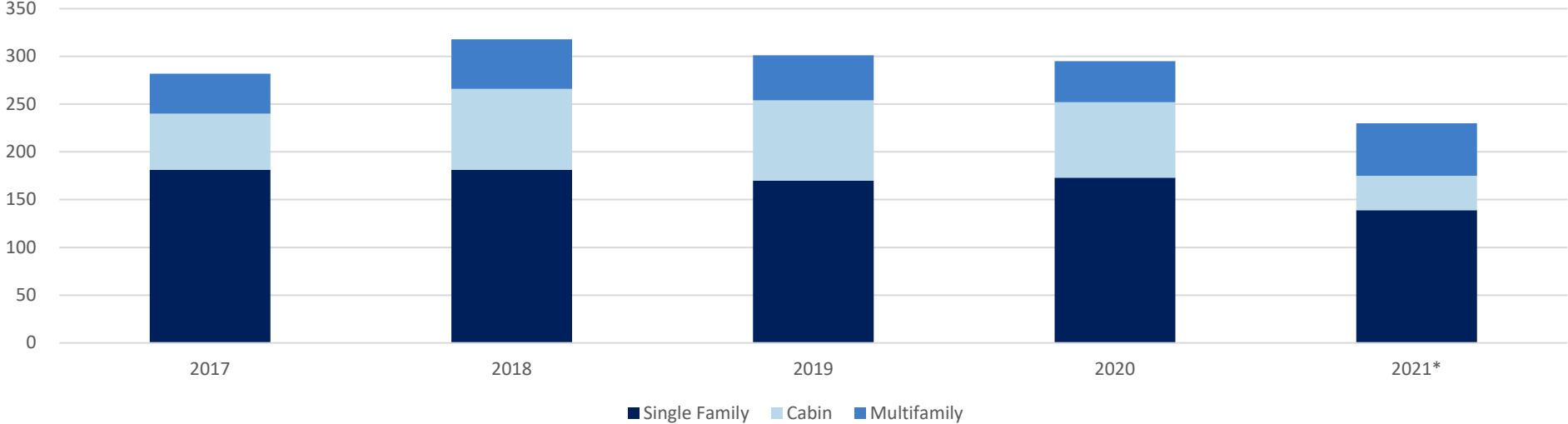
New Construction: Structures by Type



Structures by Type	Single Family	Cabin	Multifamily	Total
2017	181	59	42	282
2018	181	85	52	318
2019	170	84	47	301
2020	173	79	43	295
2021*	139	36	55	230
Total	844	343	239	1426

* Preliminary data

New Construction Structures by Type

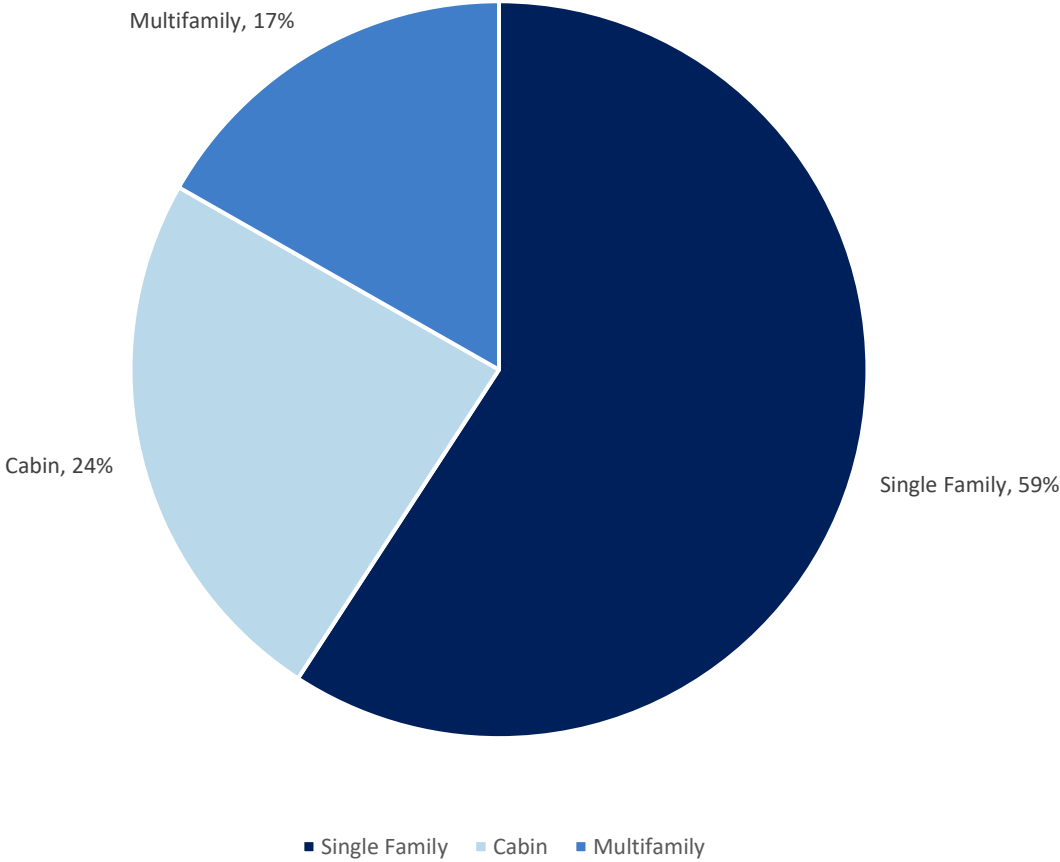


New Construction: Structures by Type



5-Year New Construction Average by Type

Type	5-Year Average
Single Family	169
Cabin	69
Multifamily	48
Total	285



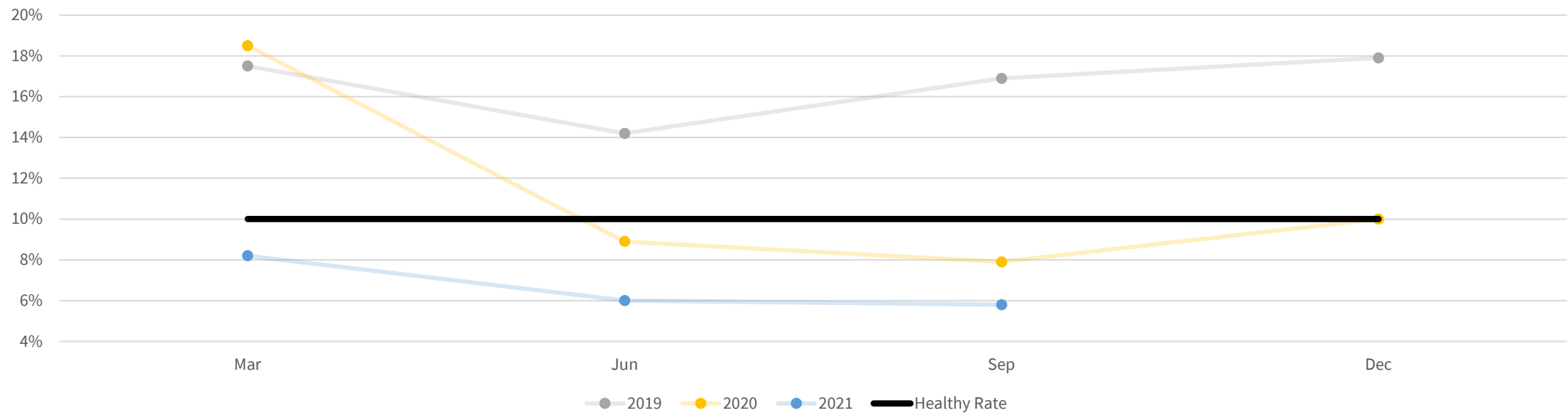
Source: [FNSB Community Research Quarterly](#)

Rental Vacancy Rates



Rental Units - Vacancy	Mar	Jun	Sep	Dec
2017	11.5%	8.7%	10.3%	13.1%
2018	13.0%	12.3%	12.8%	17.9%
2019	17.5%	14.2%	16.9%	17.9%
2020	18.5%	8.9%	7.9%	10.0%
2021	8.2%	6.0%	5.8%	
Average	13.7%	10.0%	10.7%	14.7%

Rental Vacancy Rate by Quarter

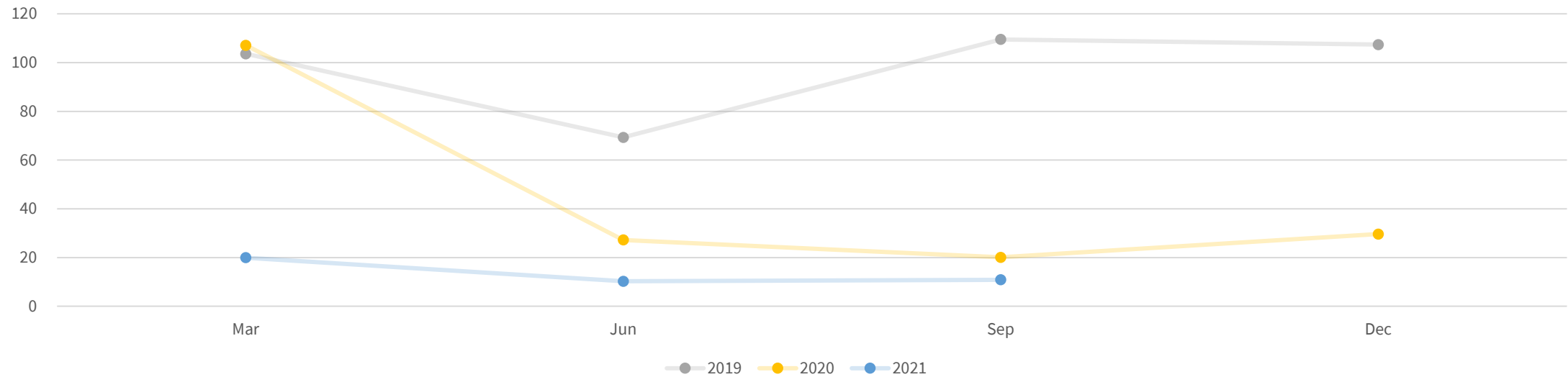


Estimated Vacant Rentals



Rental Units - Calculated Average	Mar	Jun	Sep	Dec
2017	51	33	52	67
2018	64	59	62	113
2019	104	69	110	107
2020	107	27	20	30
2021	20	10	11	
Average	69	40	51	63

Estimated Vacant Rental Units by Quarter

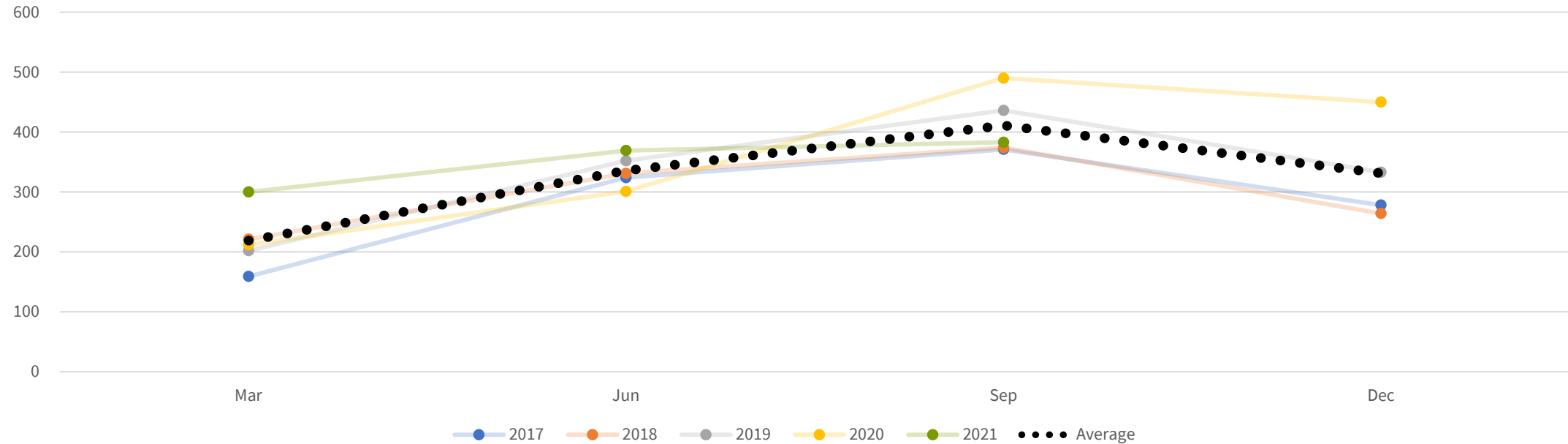


Home Sales



Housing Sales	Mar	Jun	Sep	Dec
2017	159	324	371	278
2018	221	331	374	264
2019	202	352	436	333
2020	212	301	490	450
2021	300	369	383	
Average	219	335	411	331

Home Sales By Quarter





***Answering the
Nation's Top Defense Priorities
with the
Whole of Florida Range Concept***

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President, GBSI
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**316 South Baylen Street, Suite 500
Pensacola, FL 32502
<https://gsbi.com/>**

2022 National Defense Strategy

The Defense priorities are:

1. **Defending the homeland, paced to the growing multi-domain threat posed by the People's Republic of China (PRC)**
2. **Deterring strategic attacks against the United States, Allies, and partners**
3. **Deterring aggression, while being prepared to prevail in conflict when necessary, prioritizing the PRC challenge in the Indo-Pacific, then the Russia challenge in Europe**
4. **Building a resilient Joint Force and defense ecosystem.**

The Department will act urgently to sustain and strengthen deterrence, with the People's Republic of China (PRC) as our most consequential strategic competitor and the pacing challenge for the Department.

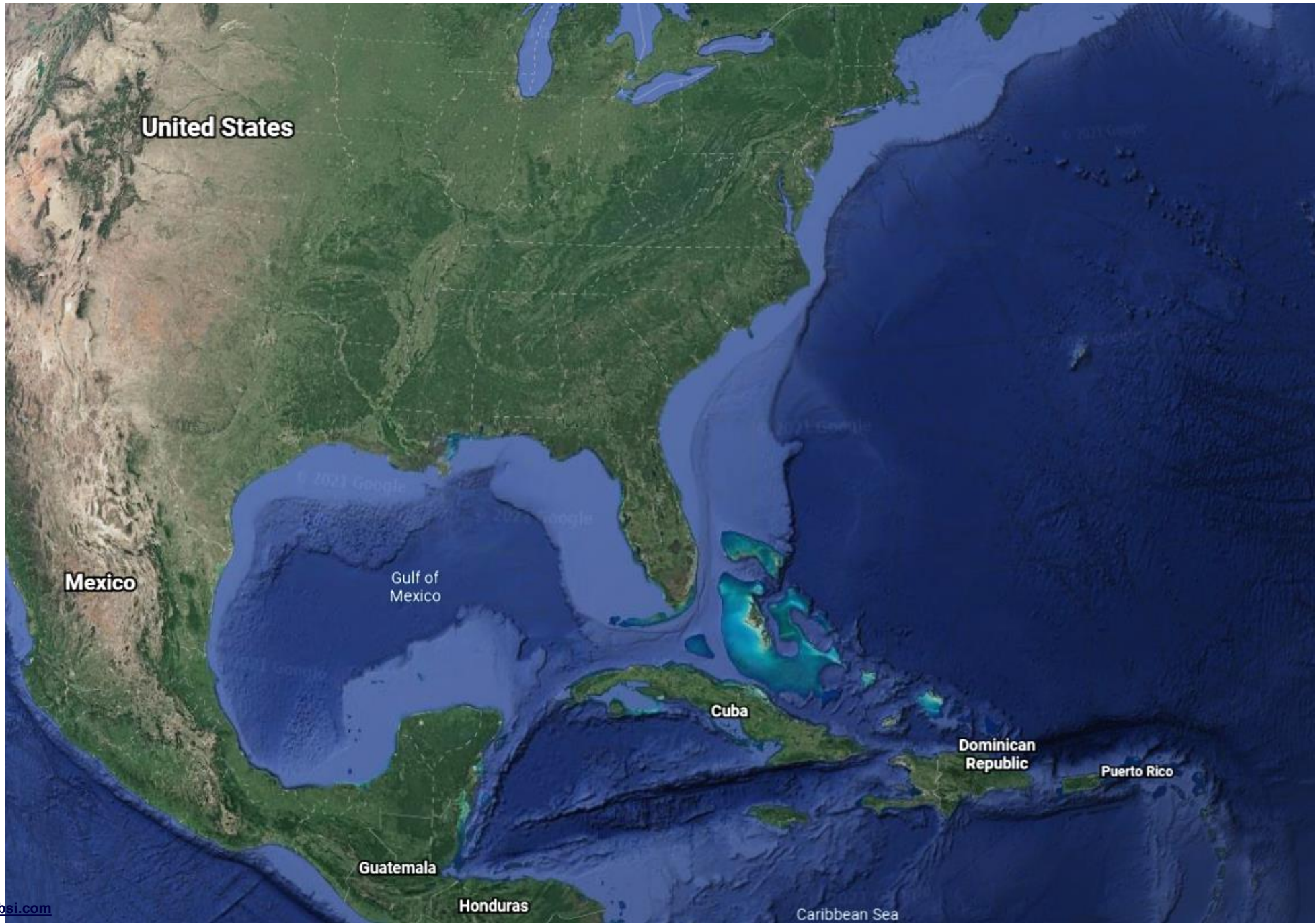
Mission Requirements

All domain warfare and all domain command and control:

- **All Department and all Service**
- **Multi-department**
- **Multi-agency and intelligence community**

Domains:

- **Federal, State or District, Municipal, Public, Private Sector, Academia**
- **Operations, engineering, research and development**
- **Speed of acquisitions, rate of fielding capabilities**
- **Cyberspace**
- **Electromagnetic spectrum**
- **Subsea and seafloor**
- **Surface, ocean, inland and river, maritime, merchant and transportation, ports**
- **Outerspace, orbital ranges, launch and recovery, assembly and relaunch capabilities**
- **Land area, land ranges and live fire areas**
- **Airspace, air ranges, live impact, supersonic and hypersonic areas, recovery sites**



United States

Mexico

Gulf of Mexico

Cuba

Dominican Republic

Puerto Rico

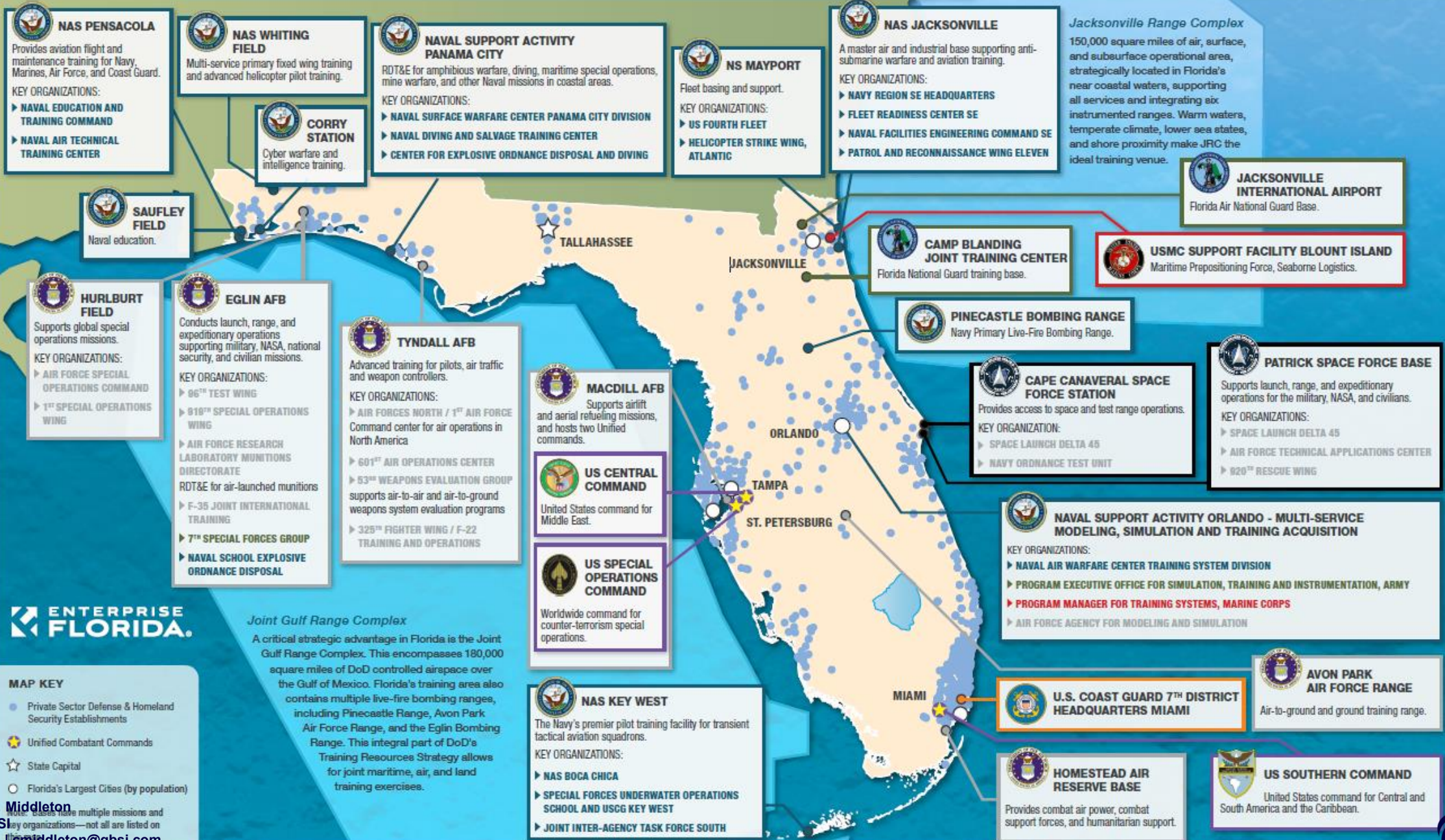
Guatemala

Honduras

Caribbean Sea



Florida's Military Installations, Missions, and Key Organizations

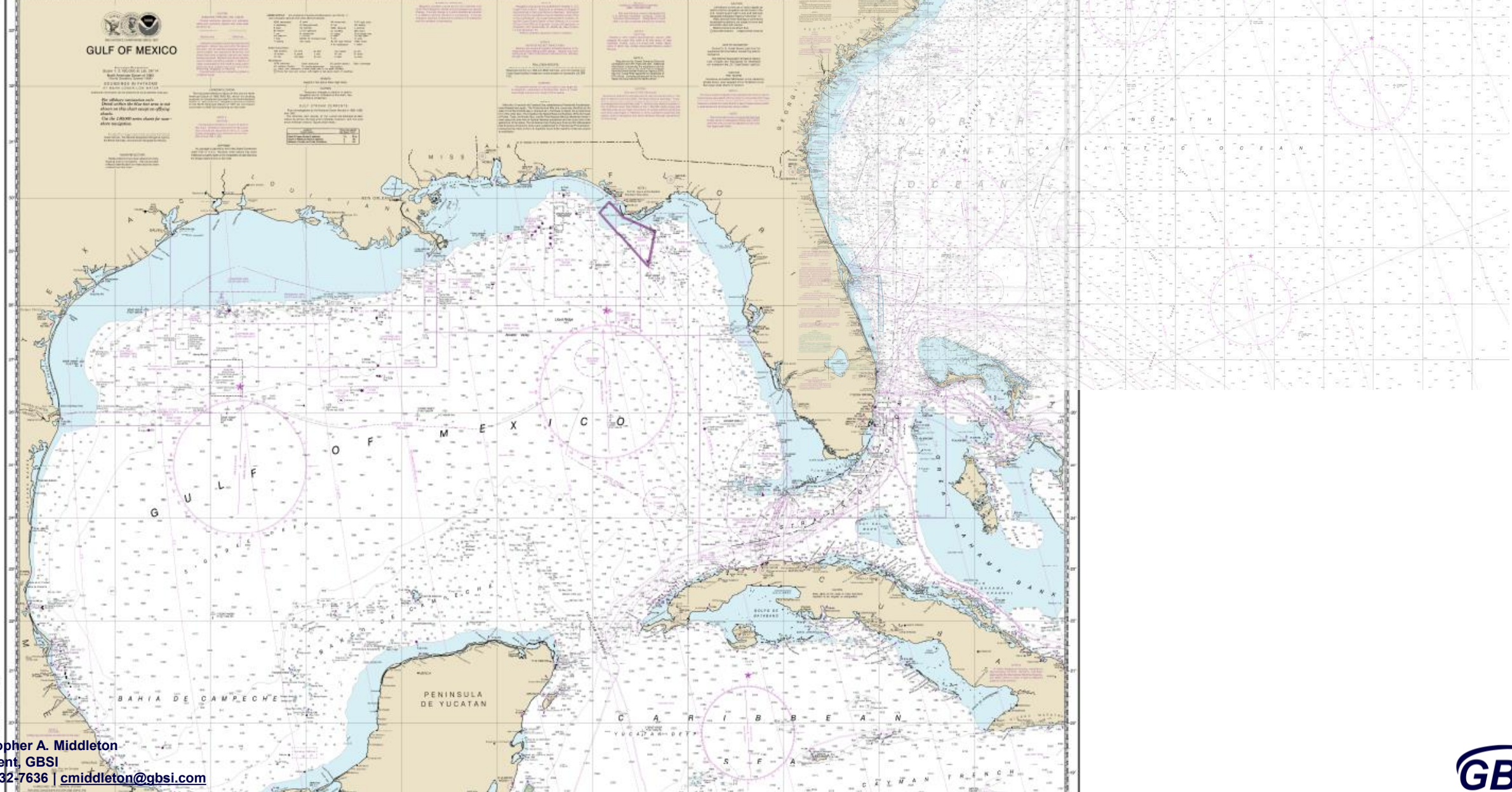


Joint Gulf Range Complex
A critical strategic advantage in Florida is the Joint Gulf Range Complex. This encompasses 180,000 square miles of DoD controlled airspace over the Gulf of Mexico. Florida's training area also contains multiple live-fire bombing ranges, including Pinecastle Range, Avon Park Air Force Range, and the Eglin Bombing Range. This integral part of DoD's Training Resources Strategy allows for joint maritime, air, and land training exercises.

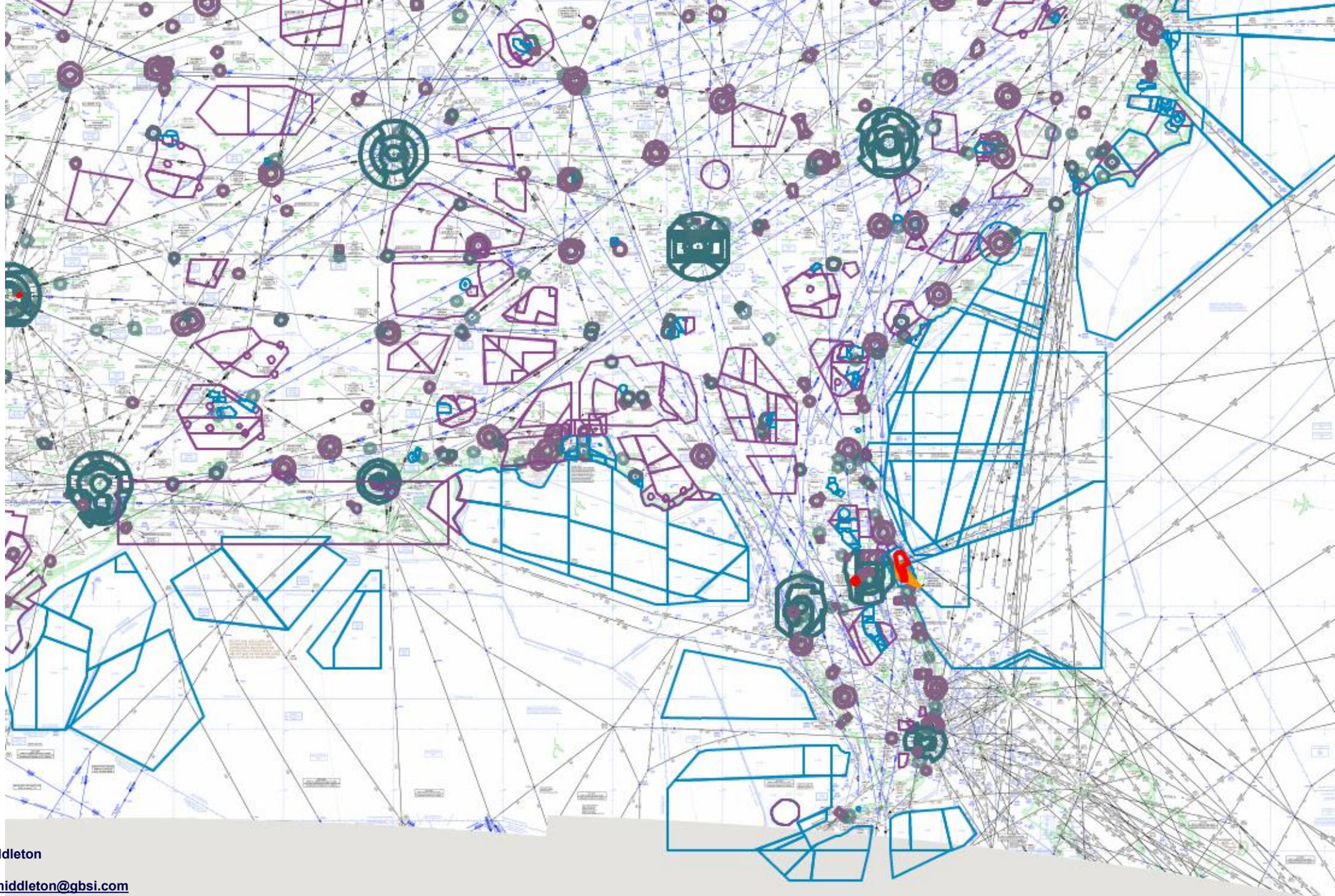


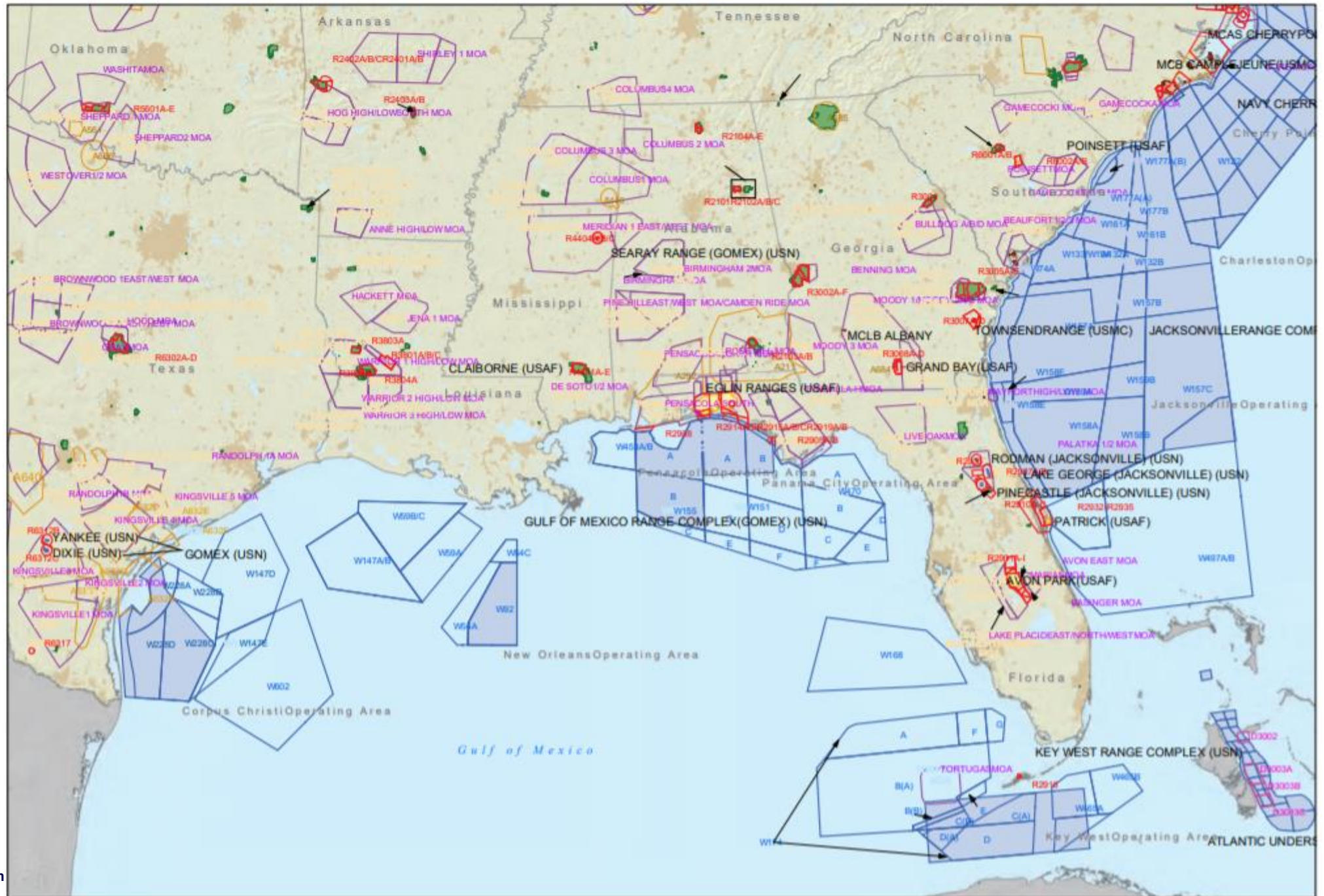
SOUNDINGS IN FATHOMS

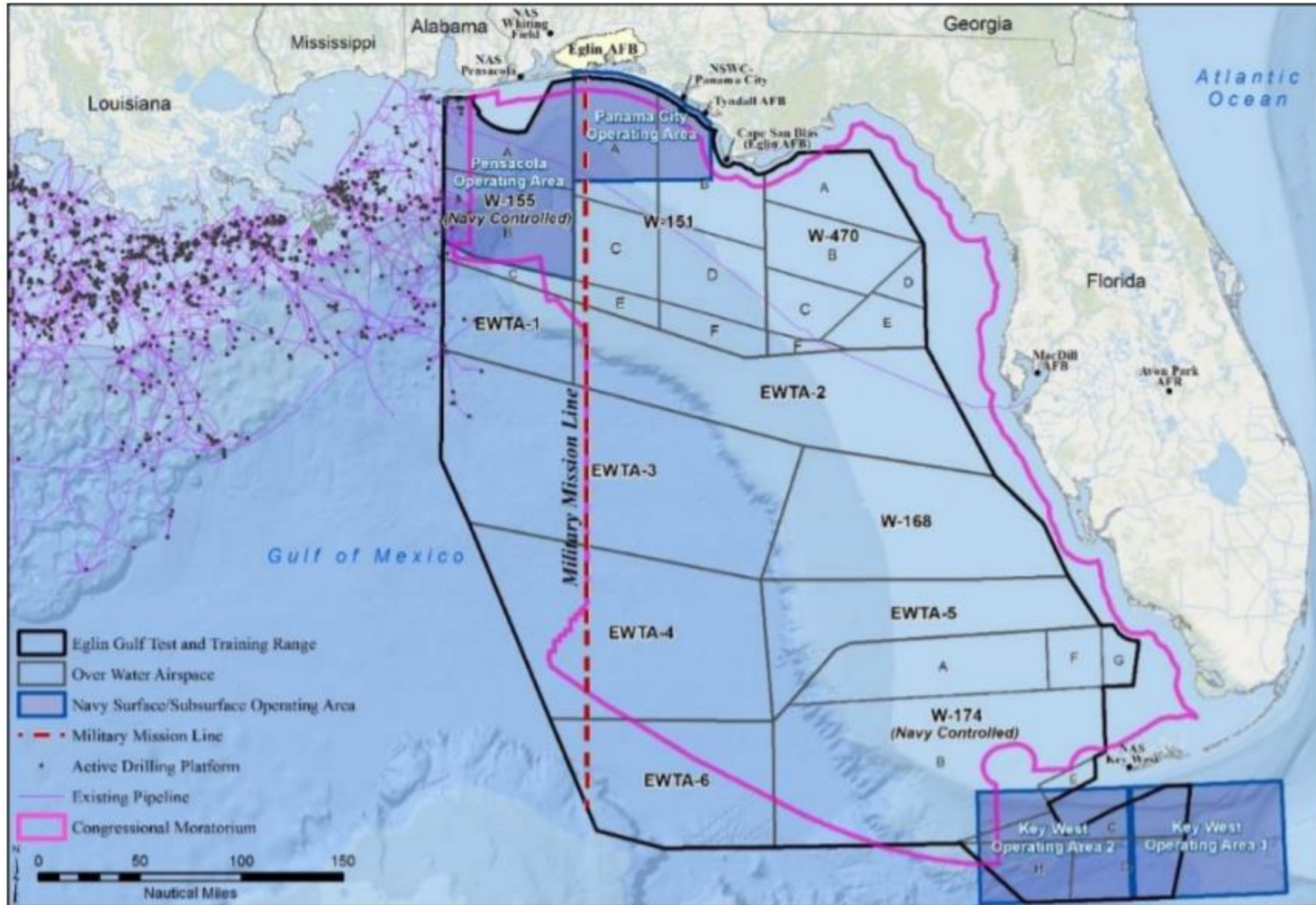
411

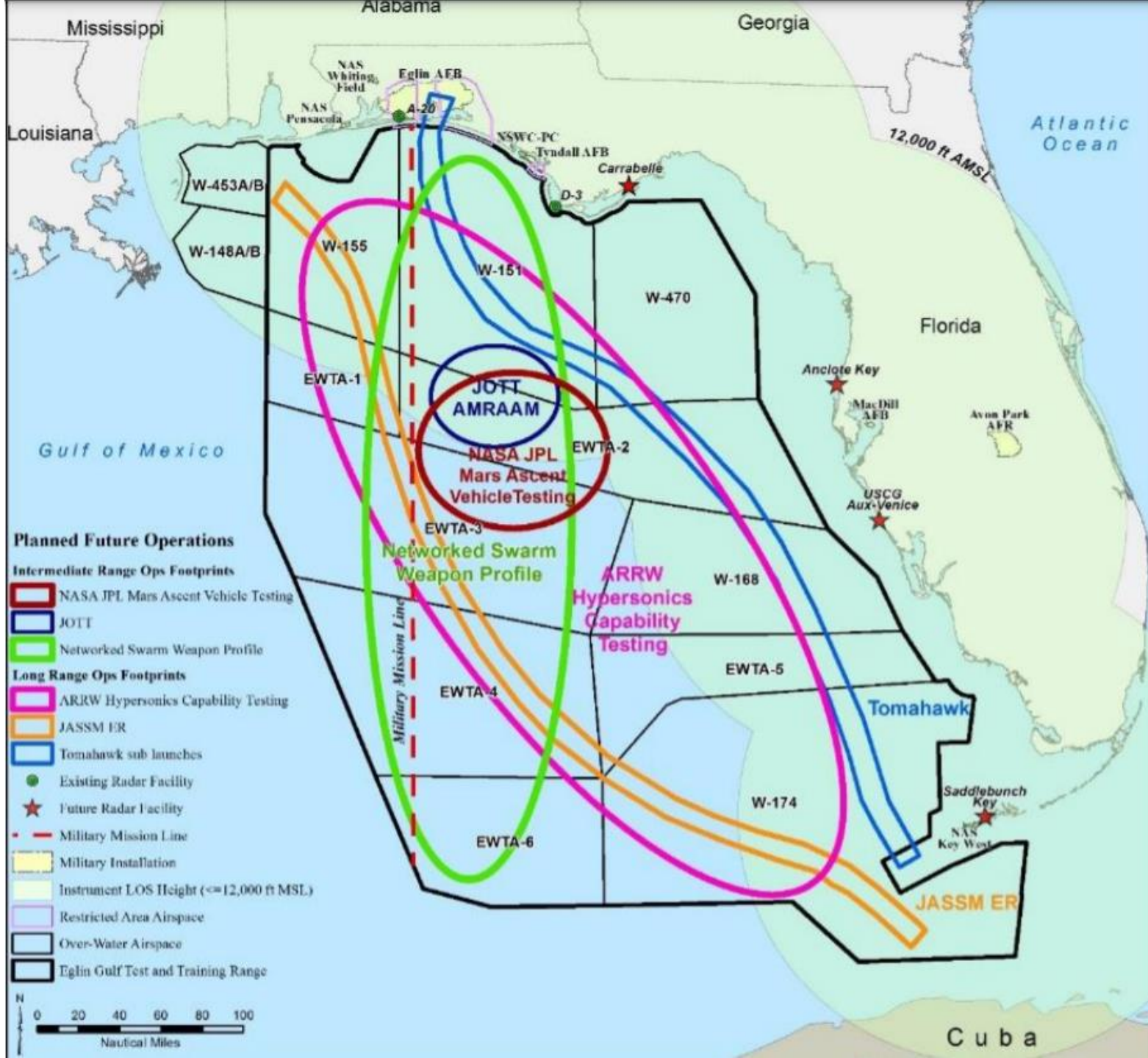


UNITED STATES - EAST COAST
CAPE HATTERAS TO STRAITS OF FLORIDA









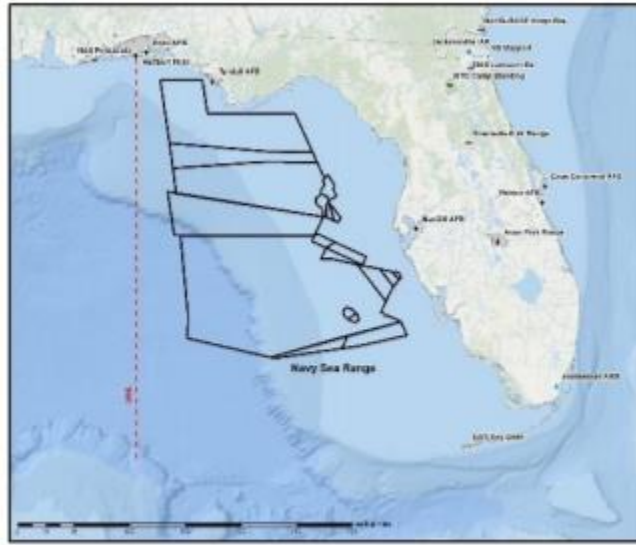


Figure 6: Navy Sea Range Area

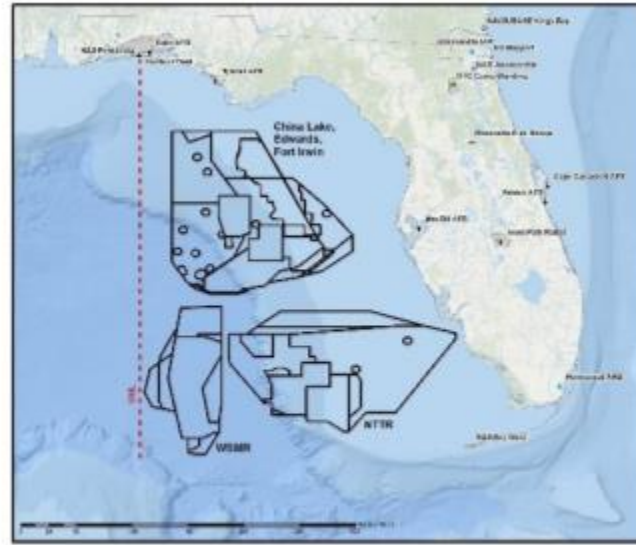


Figure 7: Land Range Area

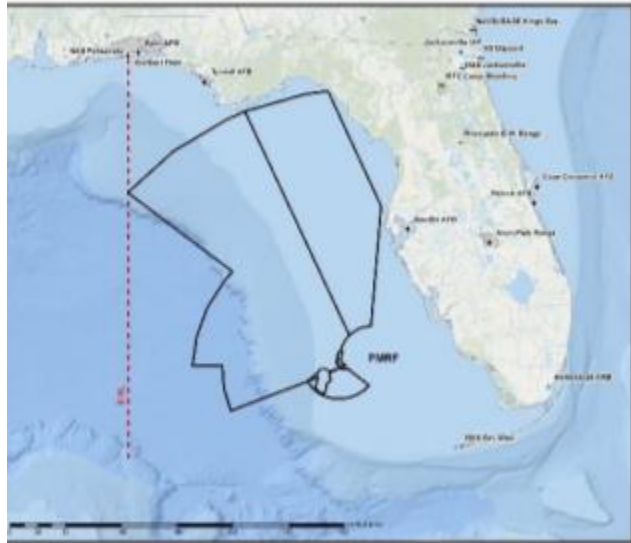


Figure 8: PMRF Warning Area

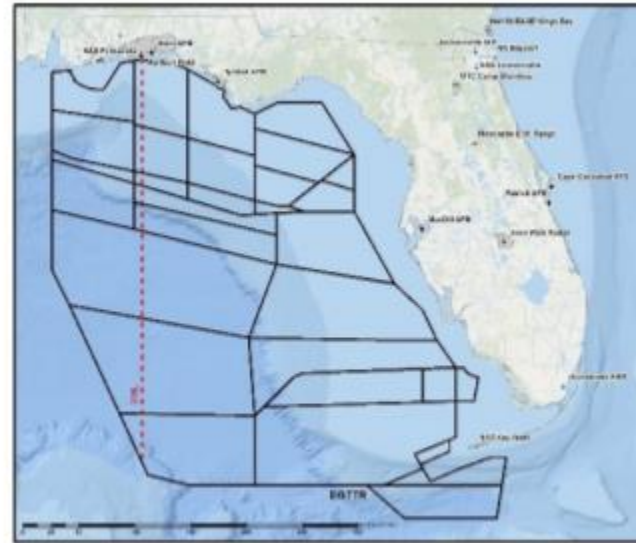
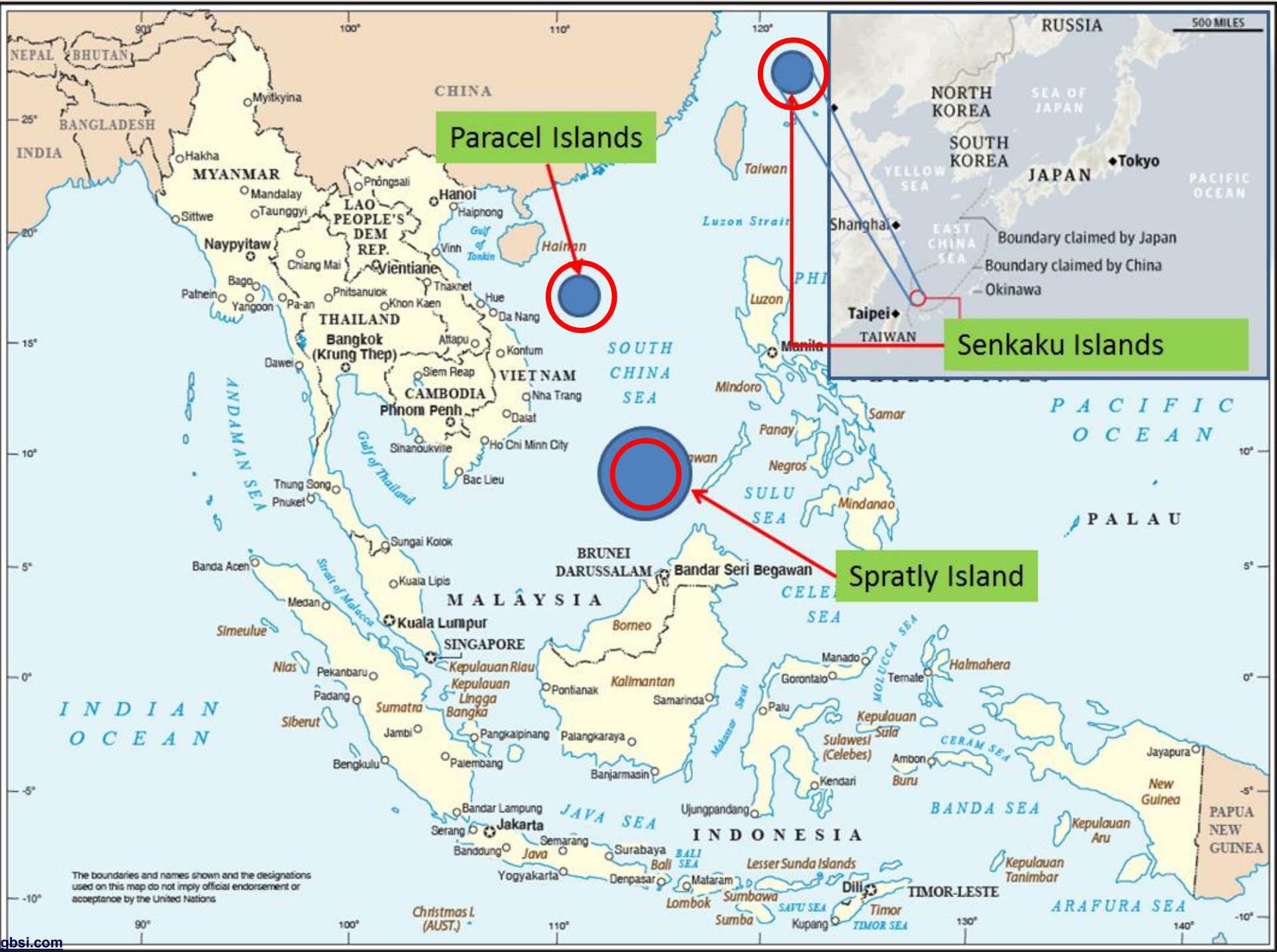


Figure 9: EGTR Scheduling Area



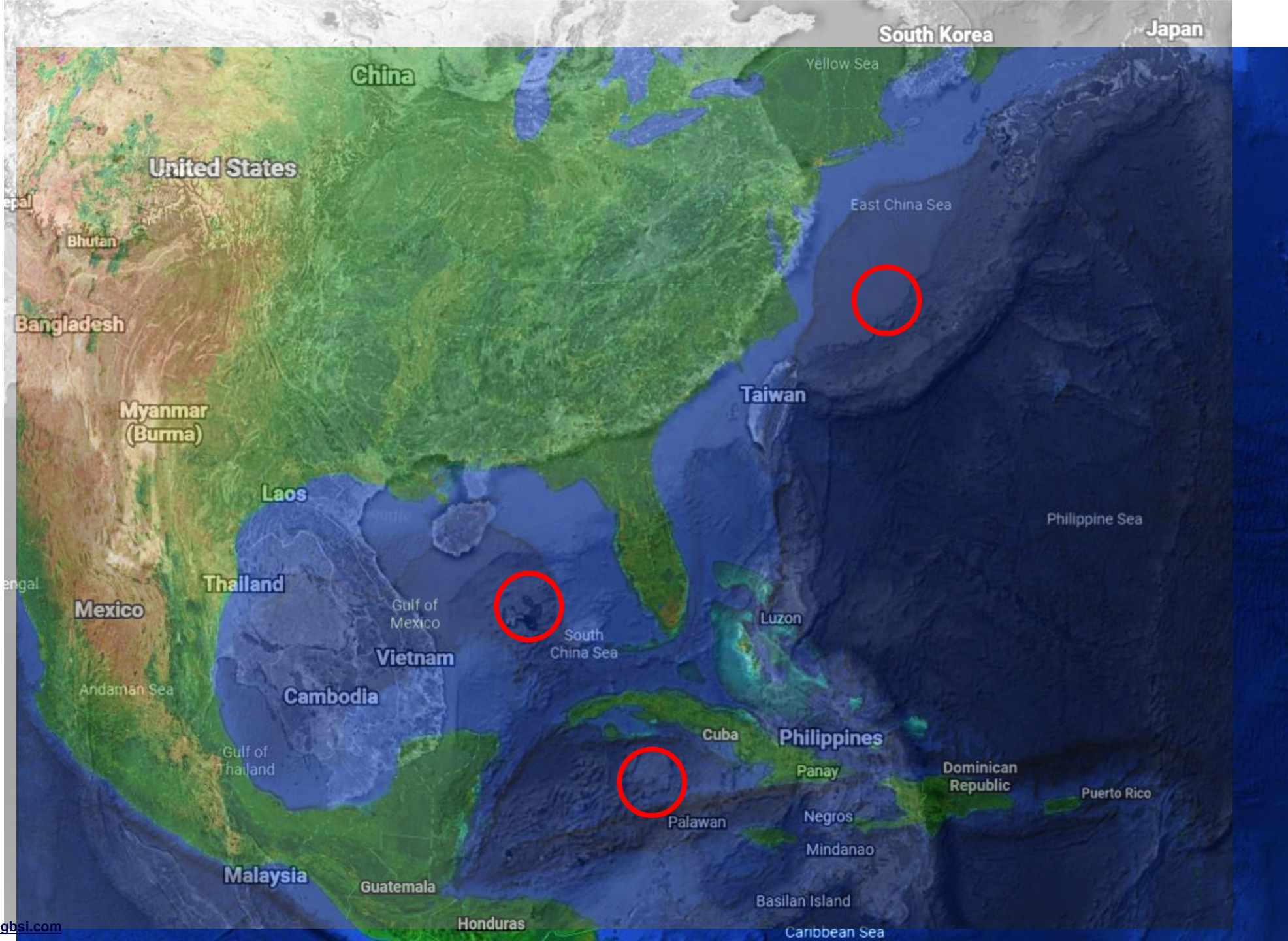


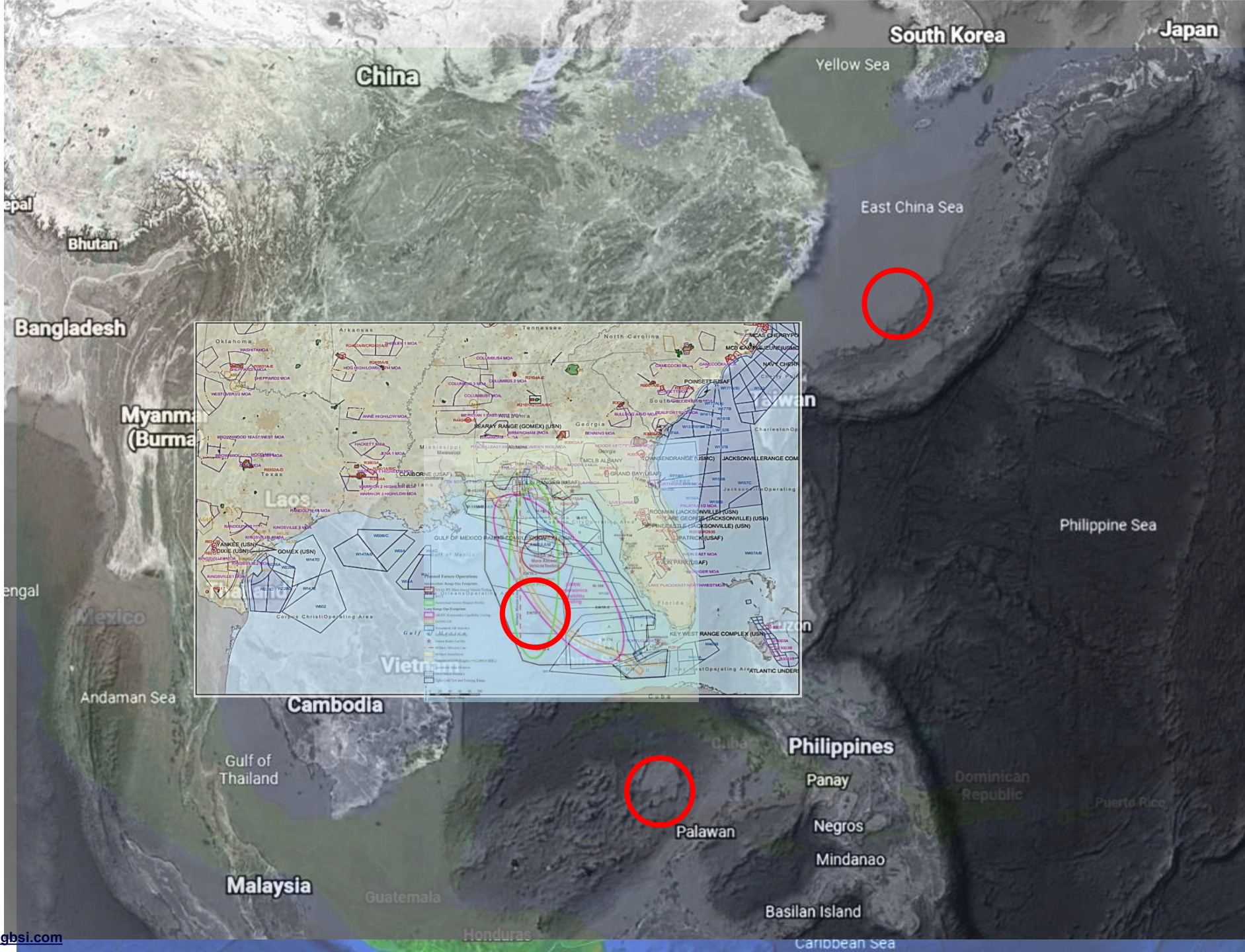
Paracel Islands

Senkaku Islands

Spratly Island

The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations







***Answering the
Nation's Top Defense Priorities
with the
Whole of Florida Range Concept***

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Pensacola, FL 32502
<https://gsbi.com/>**

Headquarters Air Combat Command

Tyndall AFB Update

Florida Defense Alliance Bi-Annual Meeting Cape Canaveral, FL



*Traycee Verdun-Chapman
Community Planner, Partner Liaison
325 Civil Engineer Squadron*

16 Nov 2022

**This Briefing is:
UNCLASSIFIED**



Overview



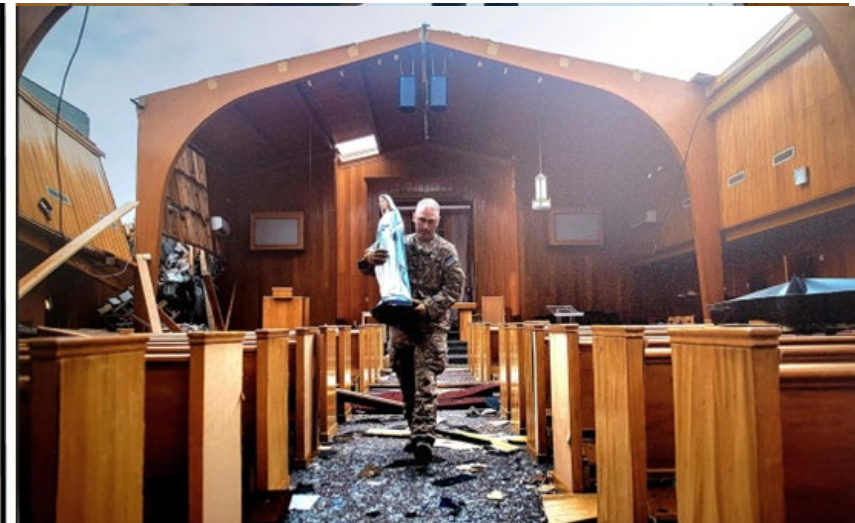
- **Why We're Here**
- Location
- Operations
- Community Engagement
- Project Awards and Groundbreaking
- Wins and Challenges



Why We're Here



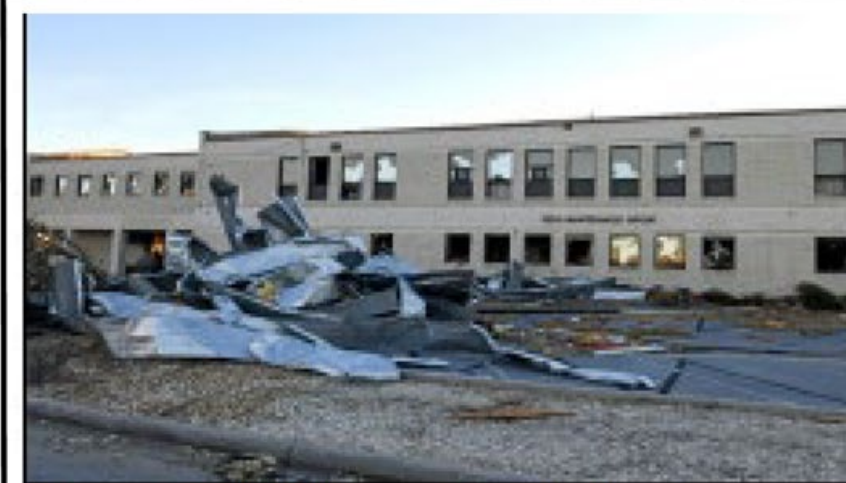
Debris on the Flightline near the Air Traffic Control Tower



Damage to Chapel



Damage to Hangar 5



Damage to 325th Maintenance Group Headquarters



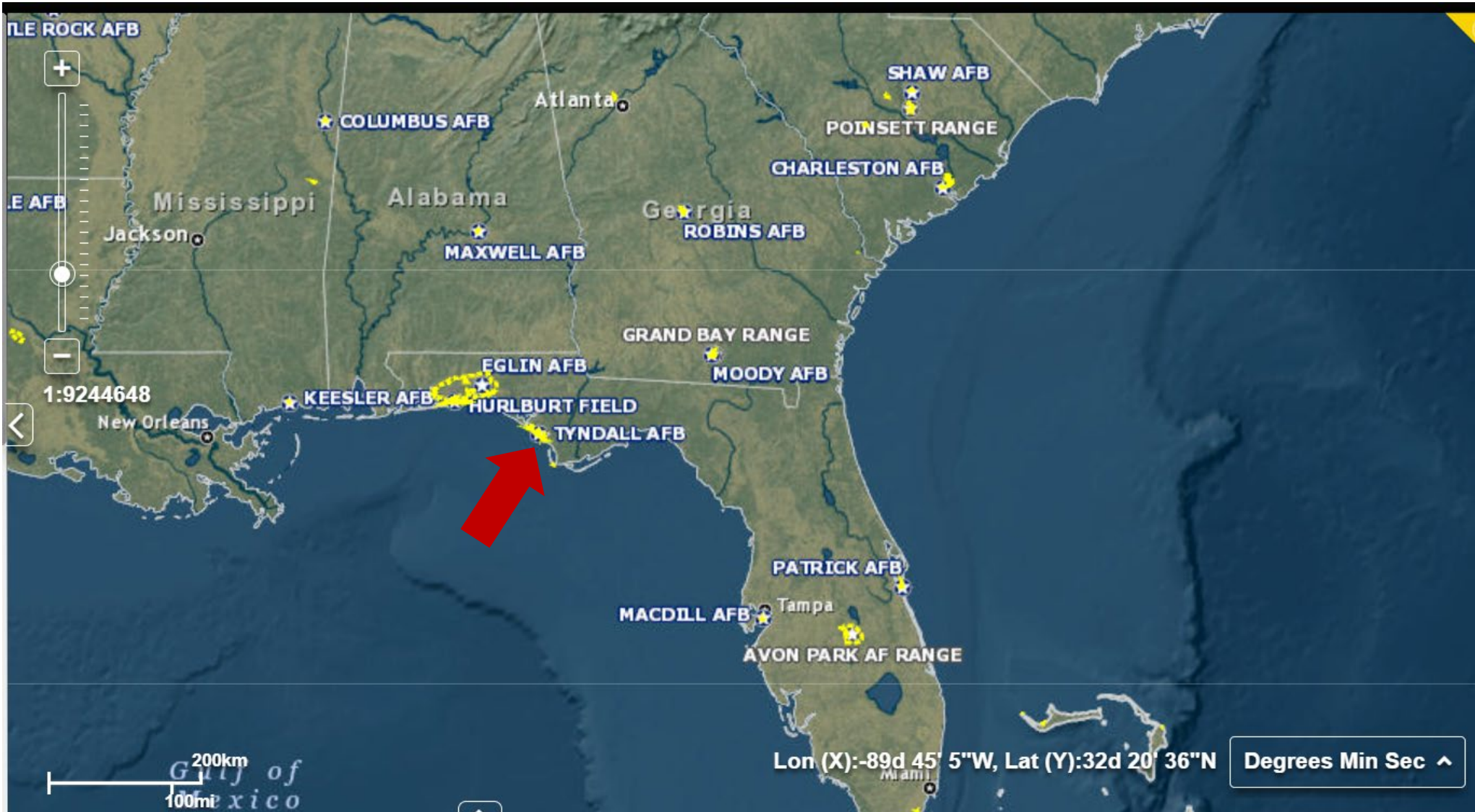
Overview



- Why We're Here
- **Location**
- Operations
- Community Engagement
- Project Awards and Groundbreaking
- Wins and Challenges

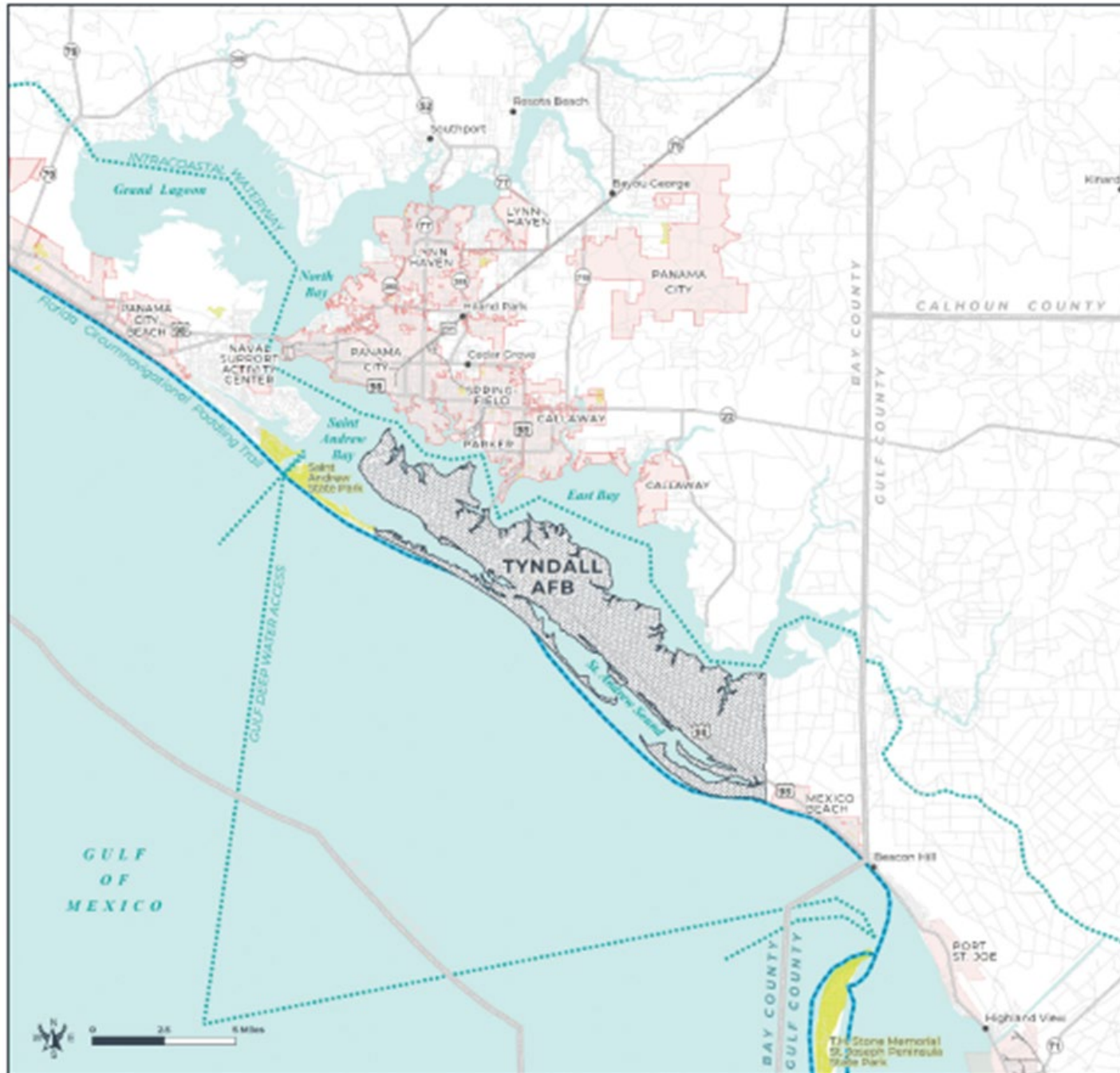


Location





Location





Overview



- Why We're Here
- Location
- **Operations**
- Community Engagement
- Project Awards and Groundbreaking
- Wins and Challenges



Operations



F-35A



F-22





Operations

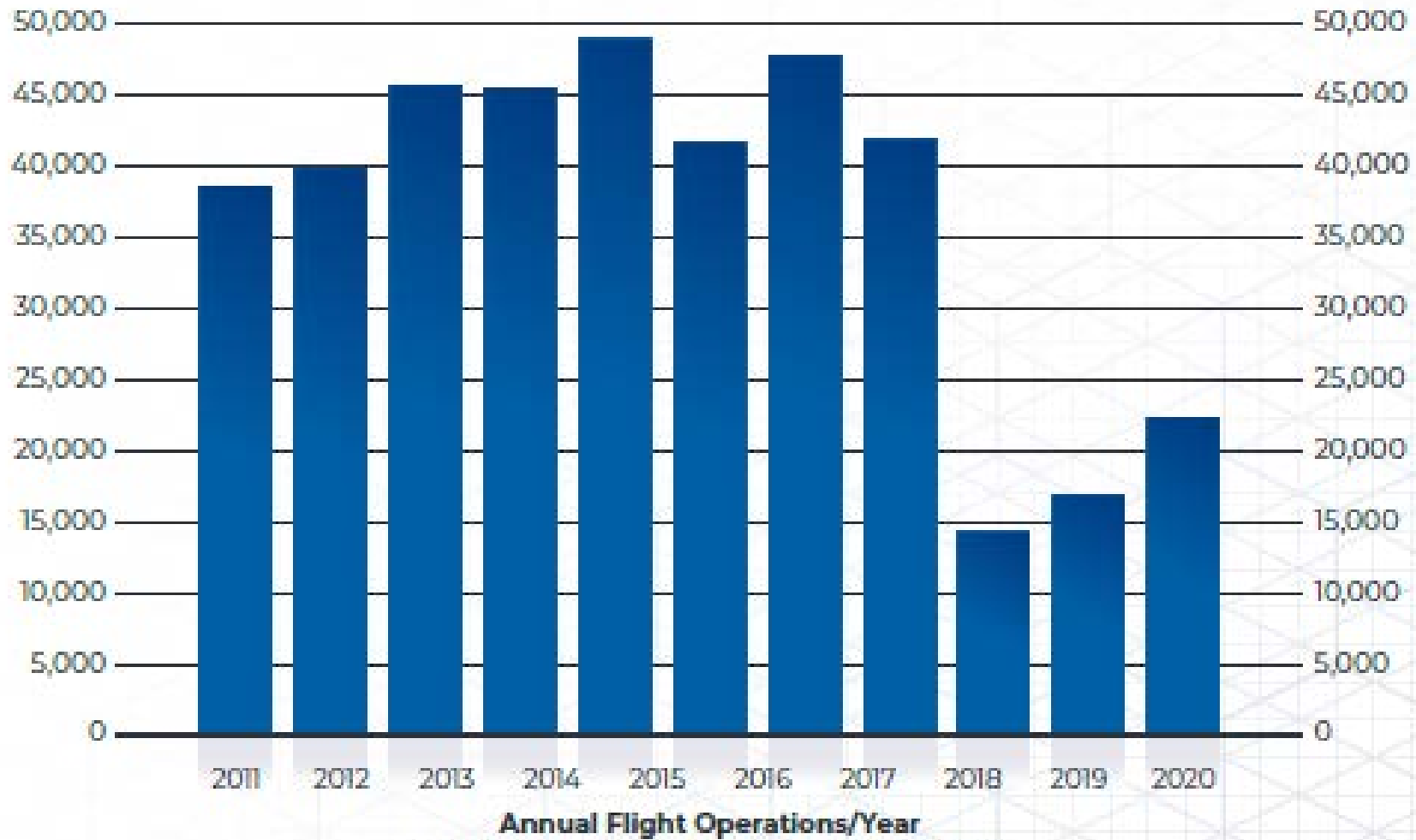




Operations



Summary of Flight Operations at TAFB for Calendar Years 2011–2020



Source: TAFB Advanced Tactical Airborne Reconnaissance System.



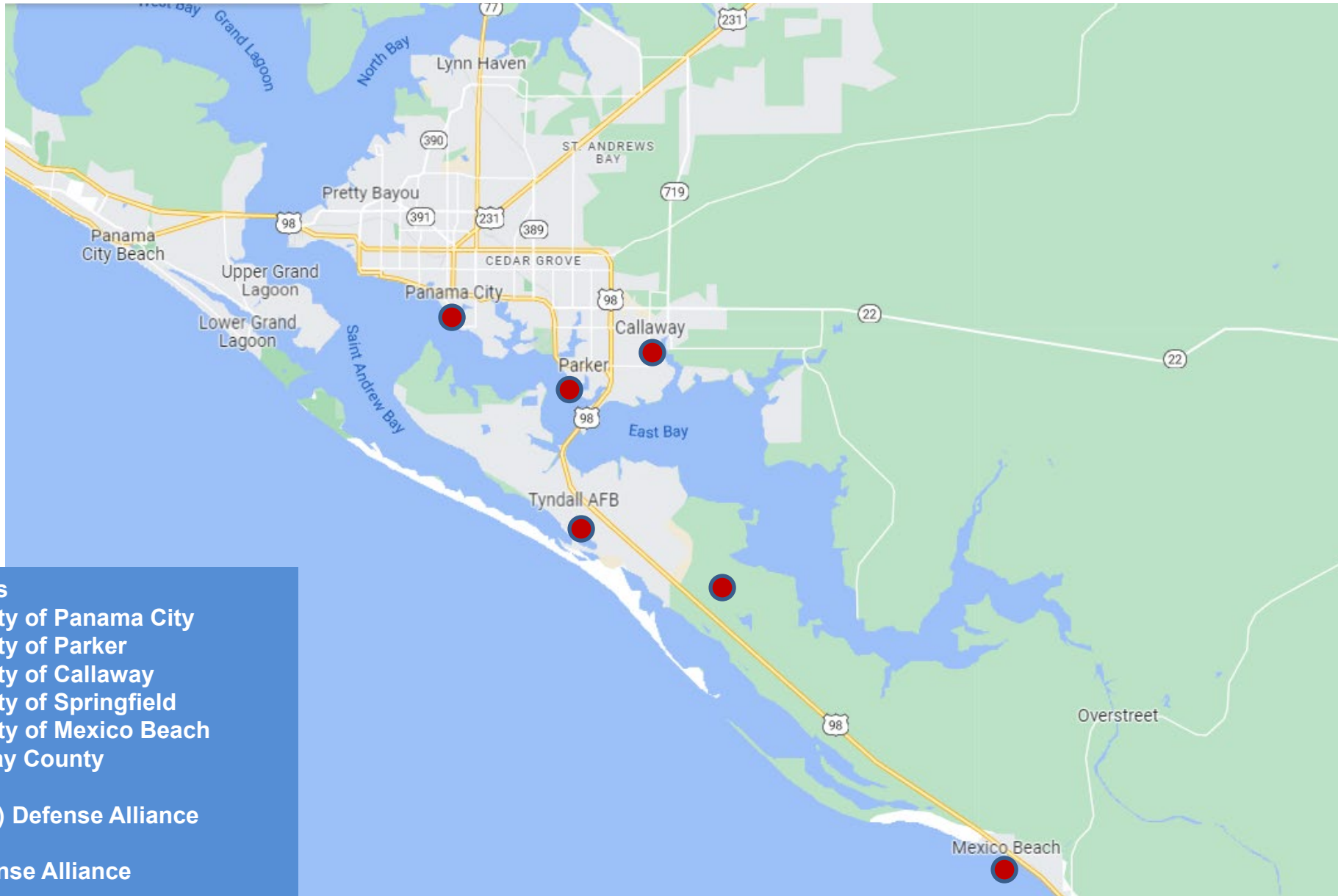
Community Engagement



- Why We're Here
- Location
- Operations
- **Community Engagement**
- Project Awards and Groundbreaking
- Wins and Challenges



Community Engagement



Communities

- City of Panama City
- City of Parker
- City of Callaway
- City of Springfield
- City of Mexico Beach
- Bay County

Bay (County) Defense Alliance

Florida Defense Alliance

Florida Defense Support Task Force



Community Engagement



21 to 25 January 2019 ~ 35 stakeholder interviews 200 + participants
Multiple Master Planning Charrettes



RECOVERY PLAN - ANALYSIS OF ALTERNATIVES REPORT
TYNDALL AIR FORCE BASE
BAY COUNTY, FLORIDA

Installation Leadership Guidance and Vision 5 Objectives

- Size and locate facilities to improve organizational efficiencies and improve the resiliency, sustainability, and adaptability of Tyndall AFB.
- Meet current and proposed mission requirements well into the 21st Century.
- Use the opportunity to improve mission efficiencies by realigning mission sets that would also influence short- and long-term redevelopment.
- Provide capacity for future growth.
- Create a campus-like environment to reduce the use of motorized vehicles by promoting walkability between dormitories, places of work, educational facilities, fitness centers, DFACs, and community support.



Community Engagement



www.TyndallIFS.com

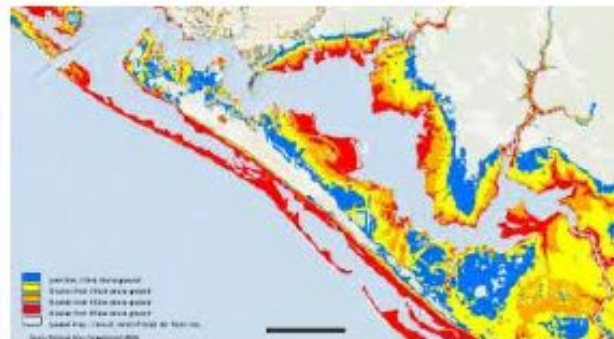
INSTALLATION FACILITIES STANDARDS



EXAMPLE IFS – AGE FACILITY



IFS INCORPORATES IoTF TO MAXIMIZE RESILIENCY/MINIMIZE COSTS



Tyndall Elevations

Design Requirements: Air Force Memos

Design Wind Speeds and Building Envelope Protection Memo



Designs are to be based on the requirements and in alignment with the local elevated terrain, to better understand, a more comprehensive, the Tyndall Air Force Base and the 2017 ITC, and the following Tyndall design wind speeds based upon RIA Category II-V.

	IC (Category I)	II (Category II)	III (Category III)	IV (Category IV)	V (Category V)
Tyndall Design Wind Speeds	100	105	110	130	150

DESIGN WIND SPEED
Risk Cat III 165 mph
Risk Cat IV 170 mph
Risk Cat V 203 mph

Design Flood Elevations (DFE) Memo



Design Flood Elevations are defined as the minimum elevation to design water considering sea level rise (SLR) elevation (DFE), included factors such as historic storm surge data, sea level change, regulatory mandates, state or local requirements, building code requirements, and manufacturer's risk tolerance. This memorandum established the DFE values for the Tyndall AFB design effort.

- To the Gulf side (generally east/southeast of Highway 90) the DFE is 17' above water's mean sea level (MSL).
- To the East Bay side (generally west/southwest of Highway 90) the DFE is 14' above MSL.

MIN DESIGN FLOOD ELEVATION
19' Support Side
14' Flightline Side



Community Engagement



COASTAL RESILIENCE OTHER TRANSACTIONAL AUTHORITY (OTA)

STAKEHOLDER ENGAGEMENT

STAKEHOLDER ENGAGEMENT MEETINGS

3 virtual meetings



30 organizations represented



130 participants



10+ regional programs with synergies



10+ potential grant programs

ONE COMMON THEME - CONTINUE TO PURSUE PILOTS AND FUNDING

<http://tyndallcoastalresilience.com/>

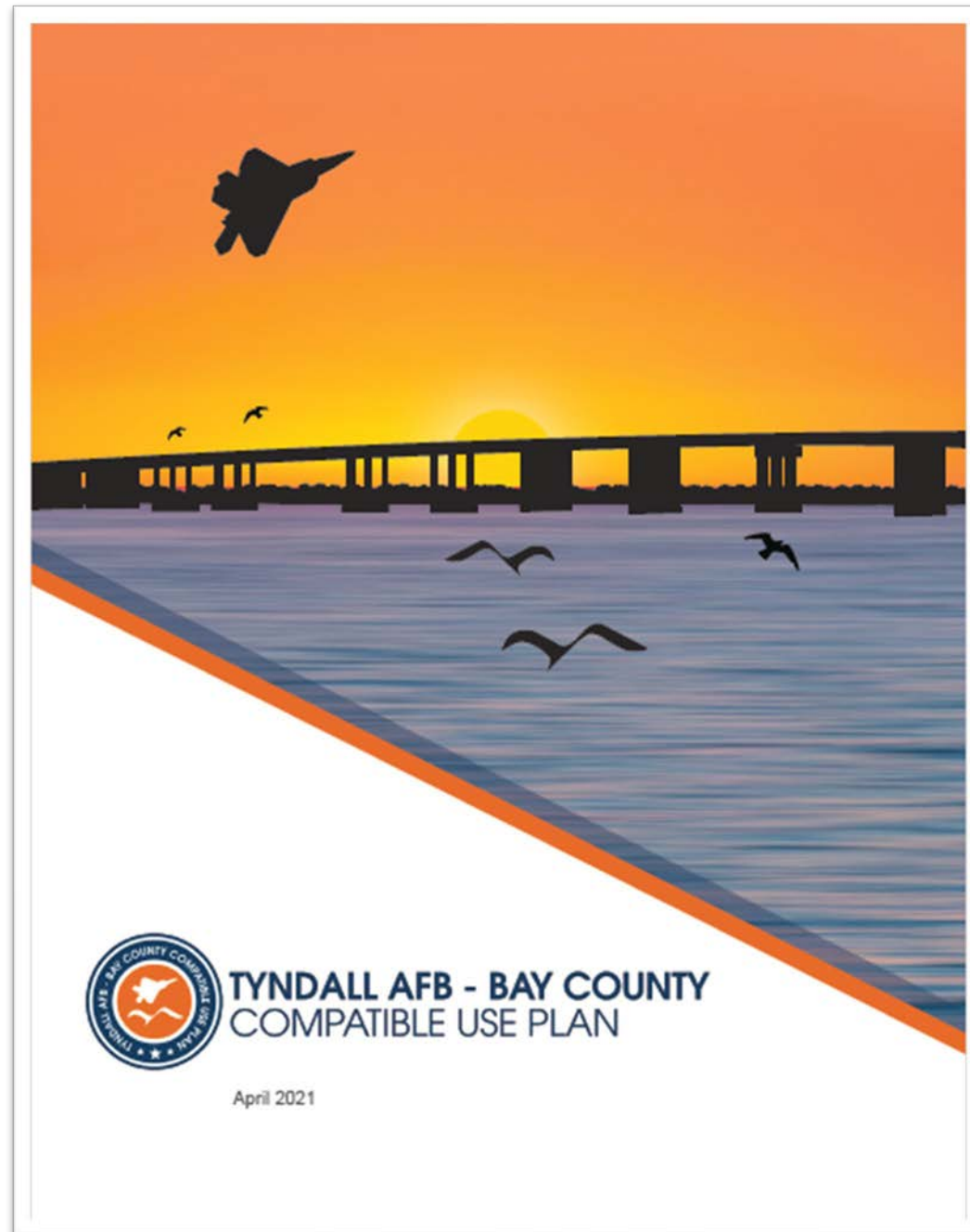




Community Engagement



- Air Force Issues EIS ROD
March 2021
- CUP Finalized April 2021





Community Engagement



Integrated Mobility Framework

Prioritization and Implementation

The map on this page illustrates the mobility system considered part of the MILCON reconstruction, as well as long range mobility investments to position Tyndall as an installation of the future.

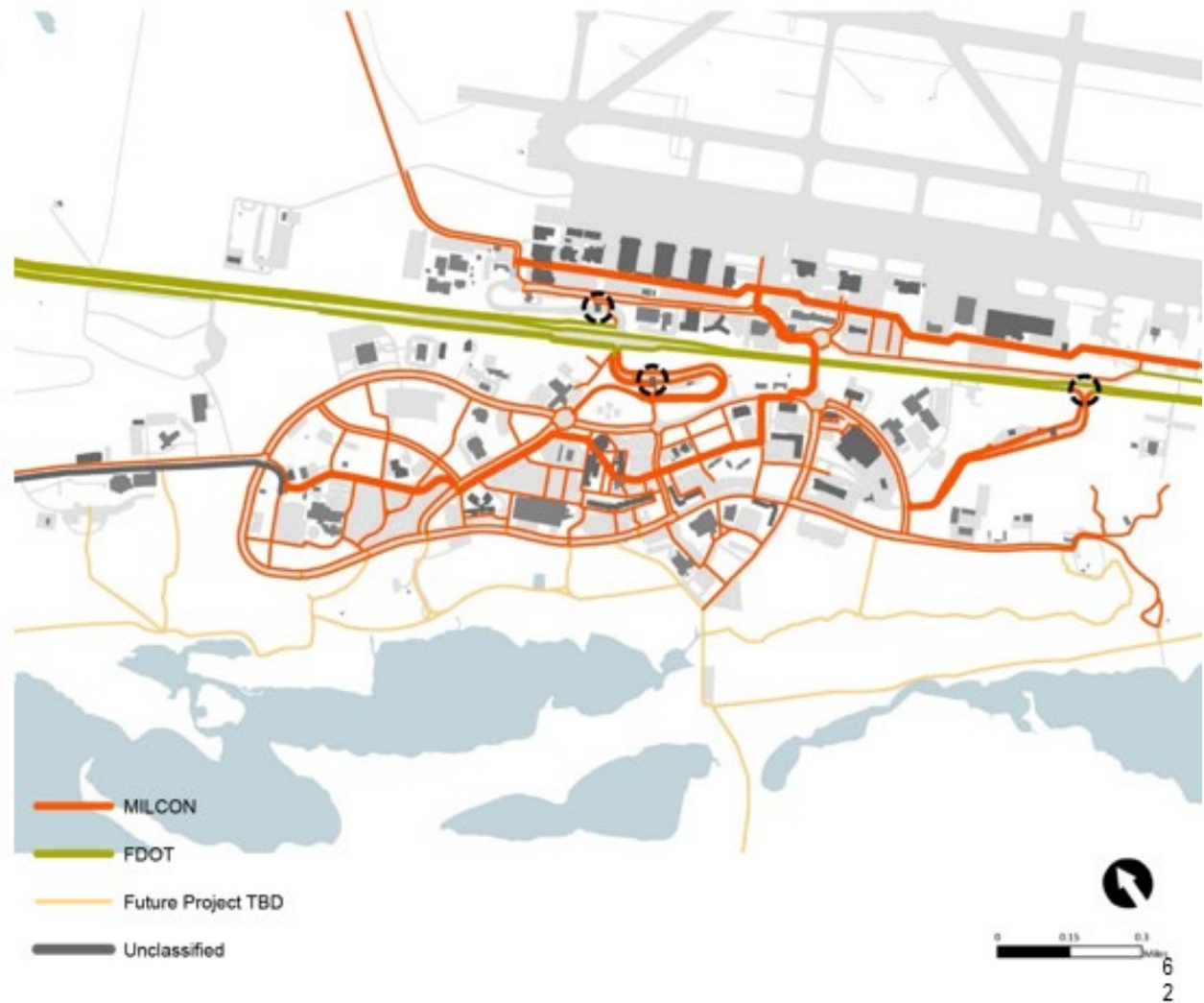
The renderings below show how the initial investment from MILCON can be enhanced in concert with mission growth and increased investment in alternative mobility options.



Multi-Modal Spine, Initial MILCON Phase

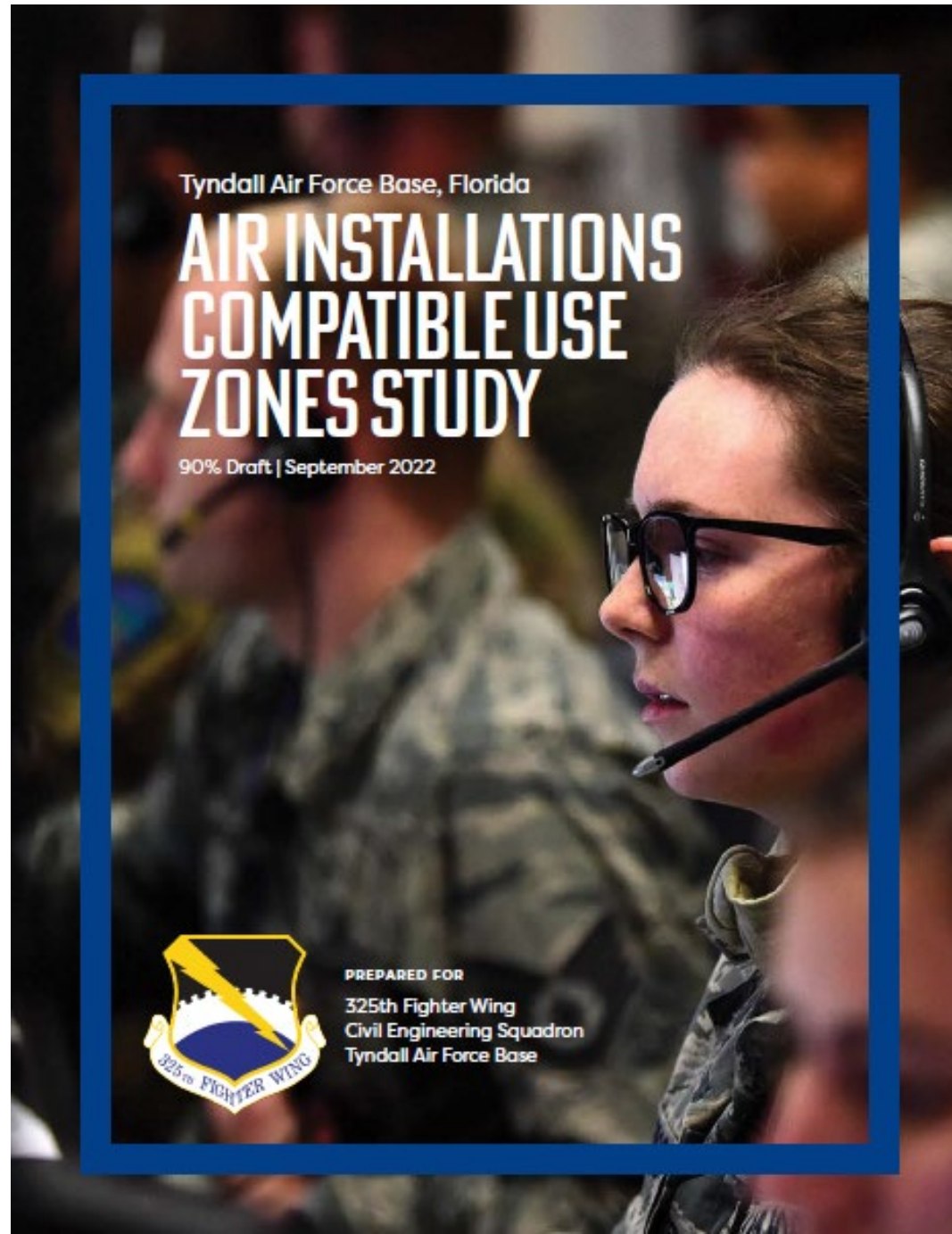


Multi-Modal Spine, Future Full Build-out





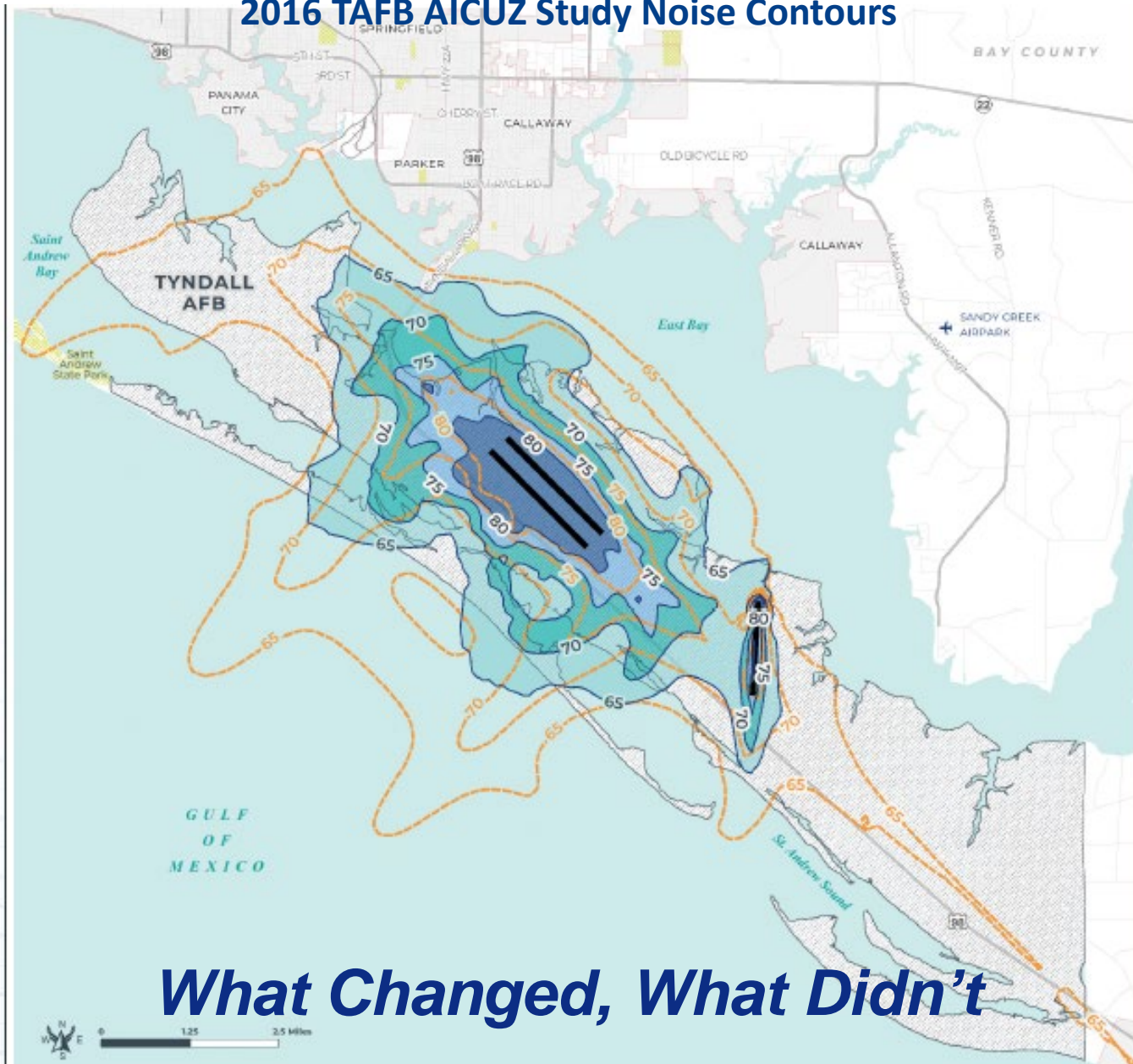
Community Engagement





Community Engagement

Comparison of 2023 TAFB AICUZ Study Noise Contours to 2016 TAFB AICUZ Study Noise Contours

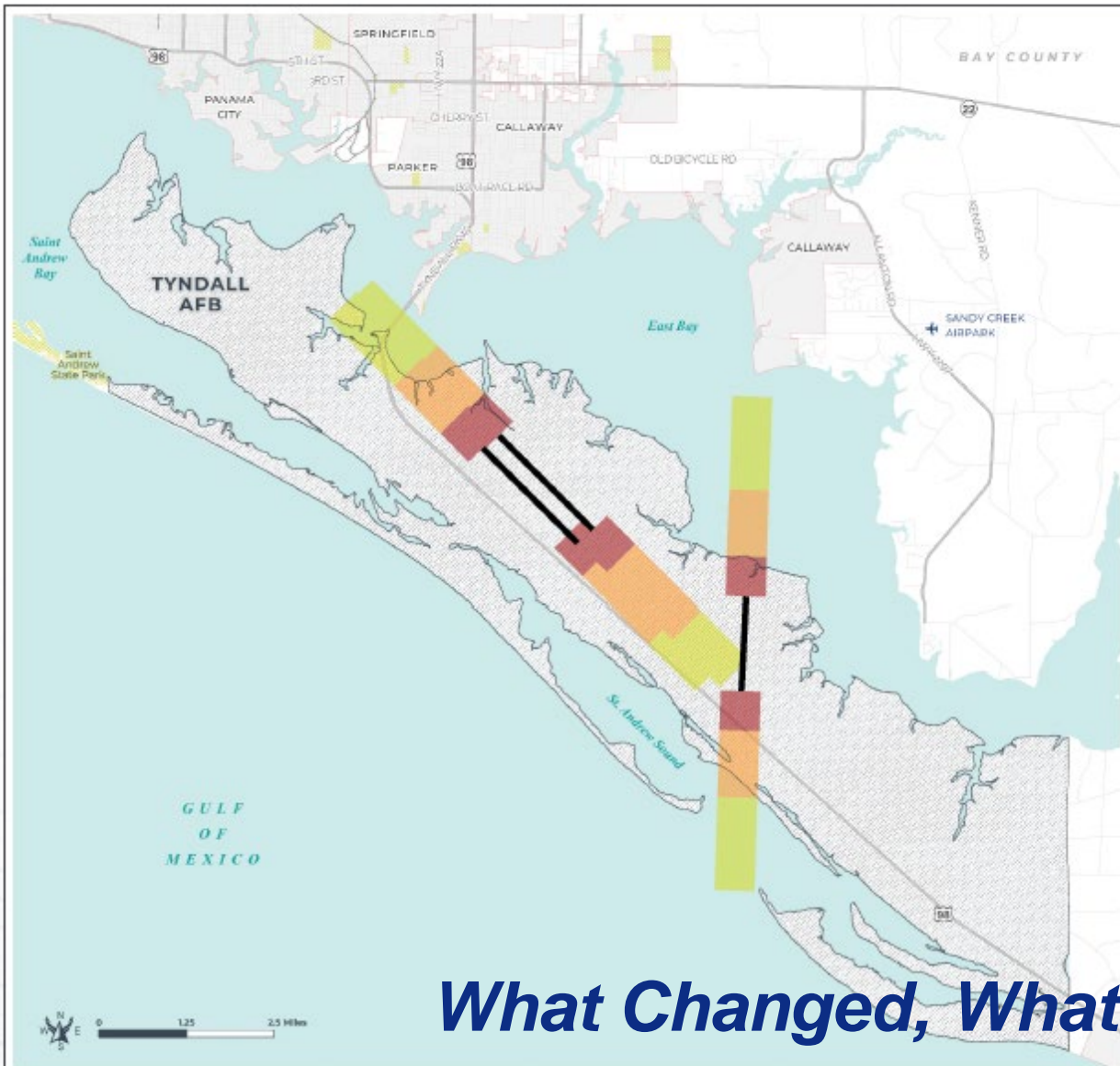


What Changed, What Didn't



Community Engagement

2023 TAFB Clear Zones and Accident Potential Zones



Fixed Wing Zone	Acres	Population
CZ	11.2	0
APZ I	135.7	0
APZ II	532.8	0
Total	679.7	0
Drone Runway Zone	Acres	Population
CZ	22.2	0
APZ I	450.6	0
APZ II	964.7	0
Total	1,437.5	0

Source: ESRI, 2022, US Census ACS, Five Year Estimates, 2020.

What Changed, What Didn't

TYNDALL AFB
2023 TAFB AICUZ CLEAR ZONES
AND ACCIDENT POTENTIAL ZONES

- PARK
- RUNWAY
- CLEAR ZONE (CZ)
- ACCIDENT POTENTIAL ZONE (APZ-I)
- ACCIDENT POTENTIAL ZONE (APZ-II)
- CITY
- TYNDALL AFB



Community Engagement



NORTHWEST FLORIDA MILITARY INSTALLATION RESILIENCE REVIEW

TYNDALL AIR FORCE BASE

U.S. Department of Defense
Office of Local Defense
Community Cooperation

EMERALD COAST
REGIONAL COUNCIL

The Emerald Coast Regional Council (ECRC) will act as project sponsor and coordinating entity.

ECRC is one of 10 Regional Planning Councils in the State, with more than 57 years of experience addressing issues of regional concern and working collaboratively across jurisdictional boundaries.

ECRC will procure the services of a consultant to assist in the development of the MIRR.

NORTH-WEST FLORIDA MILITARY INSTALLATION RESILIENCE REVIEW

Military Installation Resilience

The capability of a military installation to **avoid, prepare for, minimize the effect of, adapt to, and recover** from extreme weather events, urban growth, or from anticipated or unanticipated changes in environmental conditions.

This review process takes a wide lens including transportation, logistical, or other infrastructure, located both within and outside of the military installation, to ensure that mission assurance and mission-essential functions are robust.

0 1 2 4 Miles

Military Base Boundary
 Inundation Depth Above Ground*
 High: 5.5 meters *within military base boundary
 Low: 0.1 meters

U.S. Department of Defense
Office of Local Defense
Community Cooperation

NORTH-WEST FLORIDA MILITARY INSTALLATION RESILIENCE REVIEW

EMERALD COAST

Participating Northwest Florida Military Installations

- NAS Pensacola
- NAS Whiting Field
- Hurlburt Field
- Eglin AFB
- NSA Panama City
- Tyndall AFB

U.S. Department of Defense
Office of Local Defense
Community Cooperation

NORTH-WEST FLORIDA MILITARY INSTALLATION RESILIENCE REVIEW

EMERALD COAST



Project Awards and Groundbreaking



- Why We're Here
- Location
- Operations
- Community Engagement
- **Project Awards and Groundbreaking**
- Wins and Challenges



Project Awards & Groundbreaking



DATE AWARDED	ZONE	PROJECT NAME	COMPANY
25 Sep 2020	11	Child Development Center	Caddell Construction Co (DE), LLC
25 Jun 2021	10	Lodging	BL Harbert International, LLC
12 Jul 2021	8	SFS Mobility Storage	Southeastern Industrial Barlovento JV-2, LLC
28 Jul 2021	8	325th FW HQ & SAPR	BL Harbert International, LLC
13 Aug 2021	2	Refueler Vehicle Maintenance	4K Global - ACC JV, LLC
30 Aug 2021	8	Emergency Operations Center	Roundhouse PBN Tapa EC JV
8 Sep 2021	4	Commercial Gates	EMR, Inc.
24 Sep 2021	12	Silver Flag Facilities	BL Harbert International, LLC
24 Sep 2021	Offutt	Demolition & Site Preparation	Medvolt Komada JV
29 Sep 2021	Offutt	Lake Campus	Leo A Daly
29 Sep 2021	Offutt	LRS Campus	Medvolt Komada JV
5 Nov 2021	10	Dorms	Hensel Phelps Construction Co
15 Dec 2021	Offutt	Flightline Hangars Campus	FAS, Inc.
1 Feb 2022	7	MSA 7000 Area	EMR, Inc.
17 Feb 2022	3	53 WEG Subscale Drone Facility	BL Harbert International, LLC
31 Mar 2022	5	CE Maintenance Shops & Storage Facility	EMR, Inc.
13 Apr 2022	8	Small Arms Range	Howard W. Pence, Inc.
29 Apr 2022	4	Site Development, Utilities, & Demo Phase 1 & Phase 2	The Lane Construction Corporation
6 May 2022	4	Tyndall Airey Gate	BL Harbert International, LLC
10 May 2022	1	F-35A Lightning II Facilities	Hensel Phelps Construction Co
11 May 2022	9	MWR (Marina & Outdoor Recreation)	BL Harbert International, LLC

**Total Awards to Date:
\$1.15 Billion**



Wins and Challenges



- Why We're Here
- Location
- Operations
- Community Engagement
- Project Awards and Groundbreaking
- **Wins and Challenges**

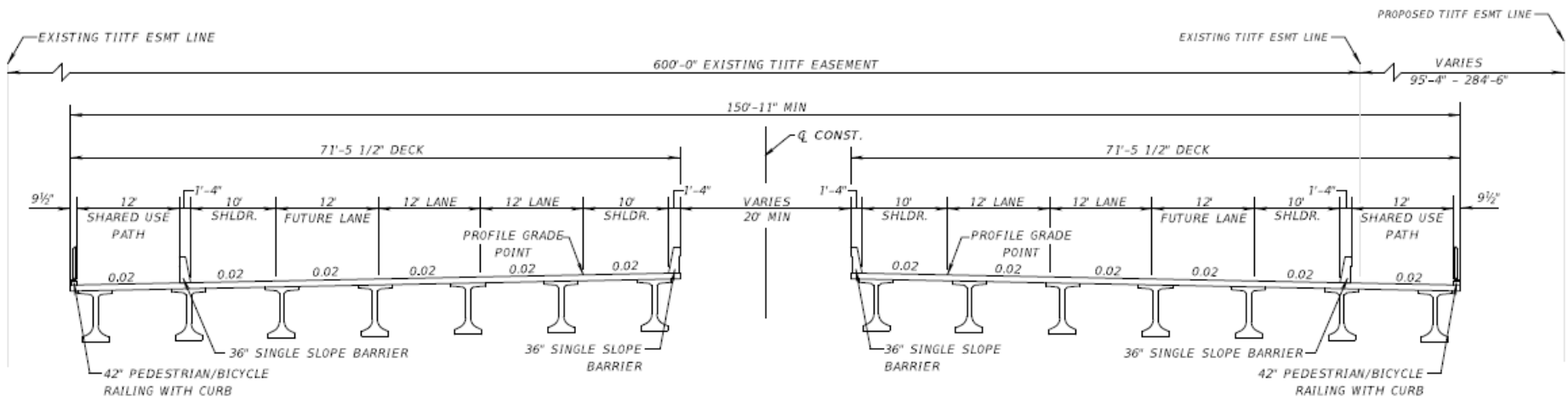


Wins & Challenges



Florida Department of Transportation

- Gulf Coast Parkway
- Dupont Bridge Replacement
- Sun Trails System



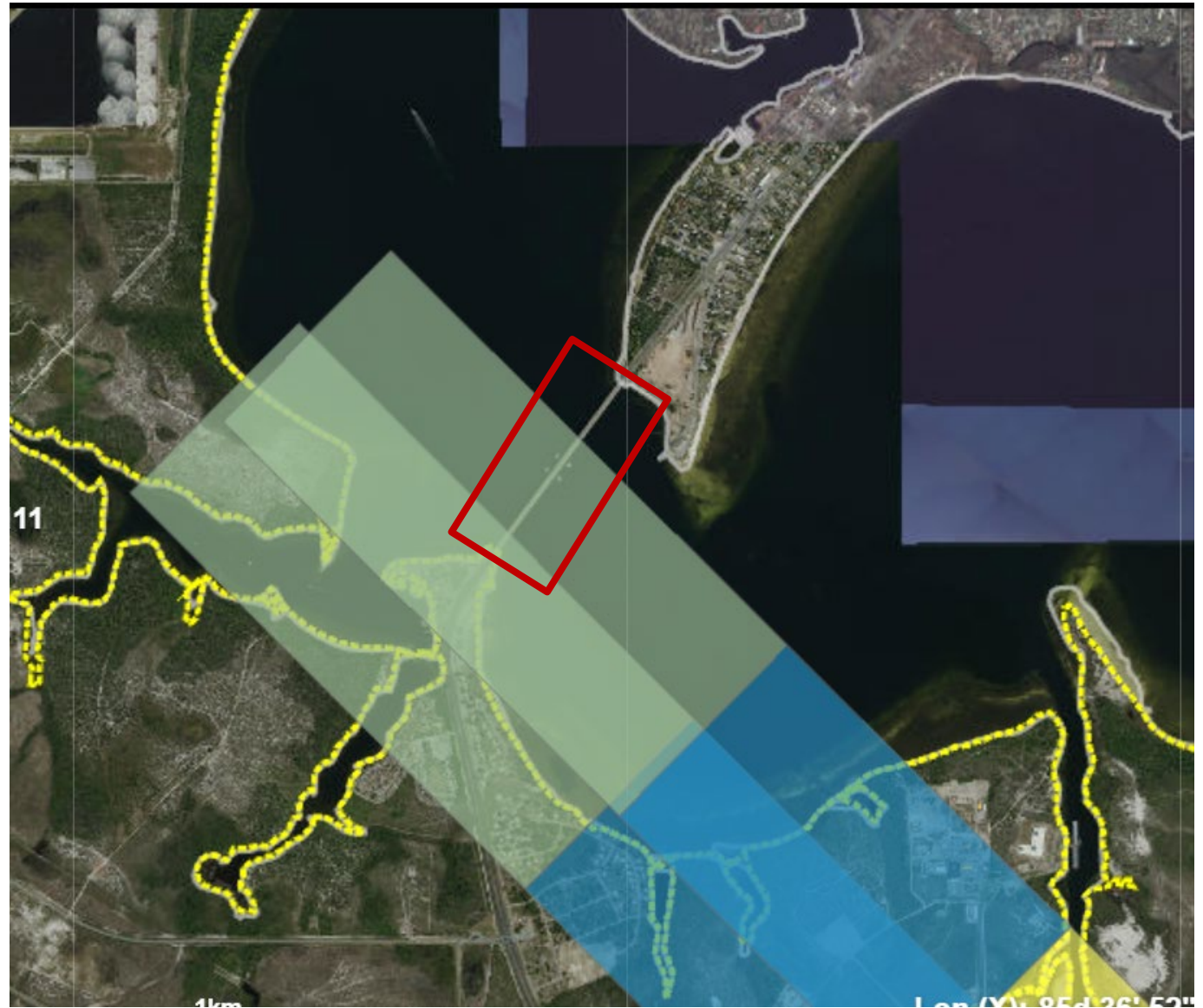
BRIDGE TYPICAL SECTION
SR 30 / US 98 (TYNDALL PARKWAY)
STA. 134+22.23 TO STA. 170+00.00
M.P. 13.602 TO M.P. 14.280 (M.P. 0.053)



Wins & Challenges

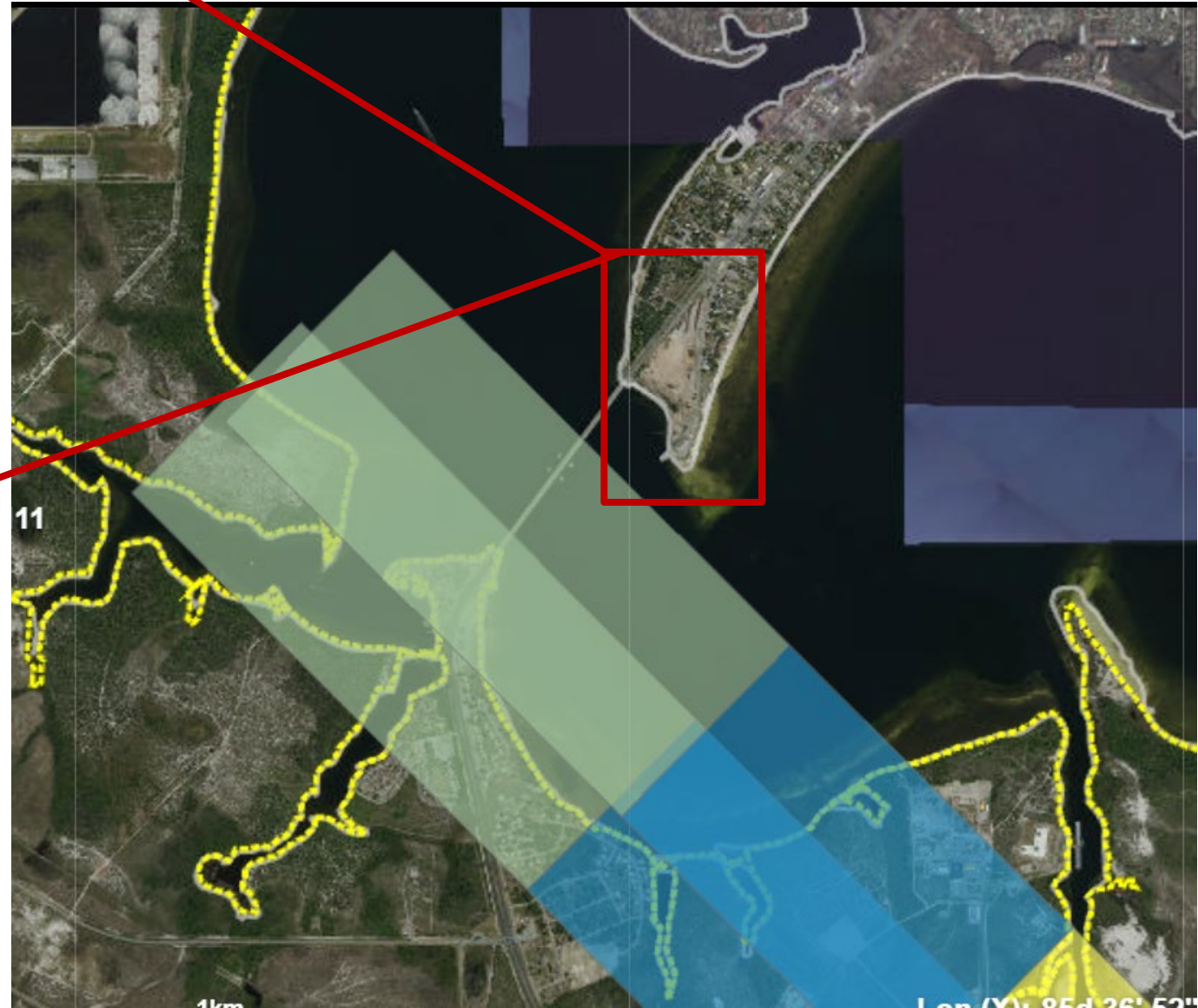
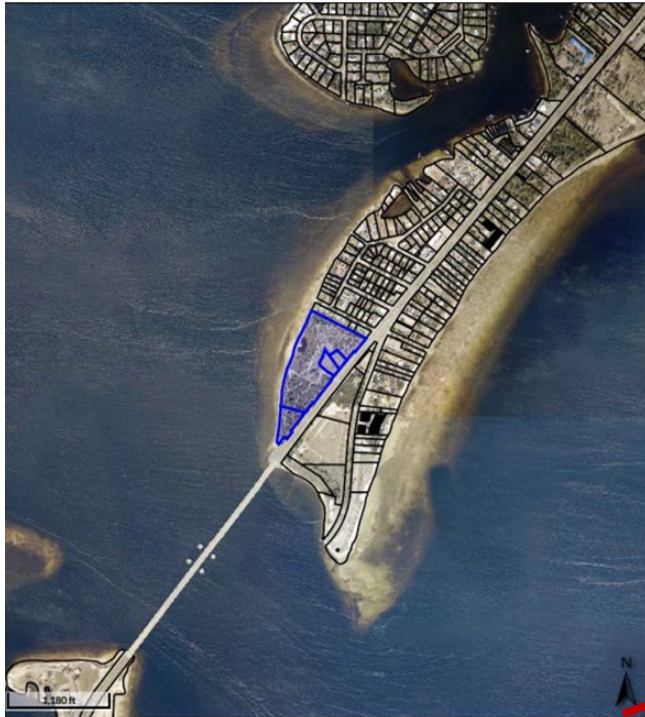


- **Within 60-69 dB DNL noise contours**
- **2/3 of DuPont bridge is within Tyndall AFB Air Accident Potential Zone II**





Wins & Challenges



- **Within 60-69 dB DNL noise contours**
- **.17 miles outside Tyndall AFB Air Accident Potential Zone II**



Wins & Challenges





Wins & Challenges



- **Policy 3.4.1.** Airfield Installation Compatibility Use Special Treatment Zones shall be the Clear Zones (CZ) and Accident Potential Zones (APZ) for Tyndall Air Force Base.
- The AICUZ area for TAFB shall include the lands and waters described in the TAFB 2008 AICUZ Study. Development restrictions described in that Study shall apply within the AICUZ area.
- In addition, any applications for development over fifty feet in height to be located in T4S, R13W, Sections 22, 25, 26, and 35 will be transmitted to TAFB for review and comment. Any development that would threaten the integrity and mission of TAFB shall be prohibited.

KEY RECOMMENDATION

Recommend the "proximity to a military installation" real estate disclosure described in Bay County Ord #15-04, 20 Jan 2015, Policy 3.4.11 be followed which states "The developer shall provide a disclosure to its customers, both in the contract of sale (or lease) and in the recorded covenants, which describes the locality of TAFB to the property and notifies the customers that resulting effects from potential noise and vibration from the operations of TAFB may affect their enjoyment of the property."

- **Policy 3.4.11.** The following sub-area policies shall apply to a 165-acre parcel, located along Highway 90, west of and adjacent to the City of Mexico Beach Incorporated City Limits, referenced in the comprehensive plan amendment which was adopted by the County through Ordinance #15 - 04 on January 20, 2015:
- The developer shall provide a disclosure to its customers, both in the contract of sale and in the recorded covenants, which describes the locality of TAFB to the property and notifies the customers that resulting effects from potential noise and vibration from the operations

- of TAFB may affect their enjoyment of the property. This disclosure will also detail possible radio frequency interference.
- The developer shall coordinate with TAFB the construction of any communications towers and any other communications facilities that may adversely impact the operations of the Base.
 - Any proposal to amend the density, height, lighting restrictions, or noise abatement standards listed in this policy shall be provided to TAFB for comment and review.

TAFB | BAY COUNTY COMPATIBLE USE PLAN

In 2021 Bay County completed an important document called the TAFB - Bay County Compatible Use Plan (CUP). The CUP is a collaborative planning effort among active military installations, surrounding communities, federal officials, residents, business owners, and other community stakeholders. The project is funded through the DOD Office of Local Defense Community Cooperation (OLDCC).

KEY RECOMMENDATION

The density of development can negatively impact flight operations and add to light pollution. These impacts can be mitigated by allowing TAFB at least 30-days to comment on any clustering or density transfer proposals for developments in close proximity to the installation and consider impact to TAFB mission when approving such plans.

The objective of the CUP is to "identify compatible land uses and growth management guidelines to reduce encroachment adjacent to the military installation while continuing to foster growth within the community".

Actions identified in the TAFB-Bay County CUP are extensive. Some examples of these actions and recommendations include the following:

- Adopt overlay districts into each jurisdiction's Comprehensive Plan and Land Development Code that identifies the Special Use Airspace used by the installation.
- Establish Military Influence Areas (MIA) and Military Influence Overlay Districts (MIOD) within the five cities and the County located within the Study Area to address areas that require special considerations due to noise, use, or airspace.

KEY RECOMMENDATION

The communities in Bay County should continue to work with TAFB to advance the recommendations of the TAFB - Bay County CUP.

- Increase public understanding of the training mission of the installation, its unique nature and importance for national security.
- Provide information to jurisdictions, developers, and interested citizens regarding installation training areas and the potential noise levels from such activities.

Appendix D highlights key recommendations from the 2021 CUP. These recommendations provide for additional actions by local governments to improve land use decisions that may affect the mission of TAFB. The recommended actions are aimed at improving the compatibility of land uses around TAFB with the base's mission now and in the future.

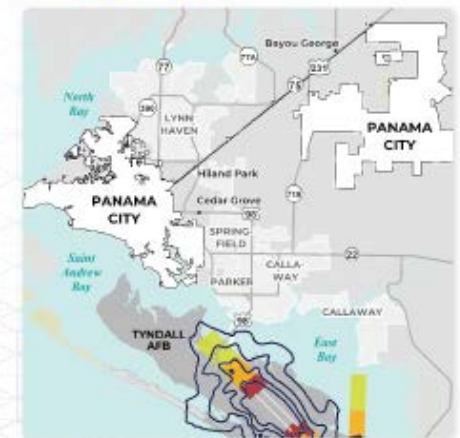
CITY OF PANAMA CITY, FLORIDA

Planning and development matters in the City of Panama City are addressed by the Department of Development Services. Development Services oversees amendments to the City's Comprehensive Plan and the new Unified Land Development Code. Responses to citizens' residential and commercial property concerns are also addressed by Development Services requests.

The TAFB noise contours do not extend into the City of Panama City (see Inset map).

The City's 2018 Comprehensive Plan does not mention TAFB except to designate an ex-officio nonvoting member on the Local Planning Agency from. The city does possess a Military Overlay Influence District (MOID) focused on Naval Support Activity (NSA) Panama City. Policy 1.4 of the Comprehensive Plan states the MOID shall be established to ensure that the installation remains viable and able to fulfill their mission.

City of Panama City, Florida





Wins & Challenges



- DuPont Bridge Replacement
- US Hwy 98 Overpass
- FL DEP, Florida Forever and REPI Program Land Acquisition – largest in state of FL in decade.
- Tyndall AFB Awards from American Planning Association (APA) Federal Planning Division Awards for:
 - Recovery Master Plan
 - Installation Facility Standards
- SMART Bay, Signal Alert System
- Defense Infrastructure Grants
- State License Transfers
- Air Force Climate Action Plan / Installation Climate Resiliency Plan
 - Levee/Seawalls



Questions/Comments





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

HIRING OUR HEROES

U.S. CHAMBER OF COMMERCE FOUNDATION

MILITARY SPOUSE PROGRAM

MILITARY SPOUSE ECONOMIC EMPOWERMENT ZONES OVERVIEW

OUR HISTORY

The U.S. Chamber of Commerce Foundation's **Hiring Our Heroes (HOH)** initiative launched in **March 2011** as a nationwide effort to connect veterans, service members, and military spouses with meaningful employment opportunities.

Working with the U.S. Chamber of Commerce's vast network of state and local chambers and strategic partners from the public, private, and non-profit sectors, **our goal is to create a movement across America in hundreds of communities where veterans and military families return every day.**

ABOUT HIRING OUR HEROES

Vision:

To bridge the civilian-military divide within the business community.

Mission:

Hiring Our Heroes connects the military community with civilian companies to create economic opportunity and a strong and diversified workforce.

Values:

(1) People first

(2) Grassroots engagement

(3) Public-private partnerships

MILITARY SPOUSE EMPLOYMENT: **THE DATA**

22%

The military spouse **unemployment rate** is more than 4x the national average

67%

of military spouses **had to quit a job** because of a move

41%

of unemployed military spouses took **more than 4 months** to find a new job

Economic stability at home creates less stress on our military families and improves retention of service members

MILITARY SPOUSE EMPLOYMENT: **THE CAUSES**



Frequent Relocation



Scarcity of Flexible
Opportunities



License Transferability



Access to Childcare



Lack of Understanding

MILITARY SPOUSE EMPLOYMENT: **ACTIONABLE SOLUTION**

HOH MILITARY SPOUSE PROGRAM

The Hiring Our Heroes (HOH) **Military Spouse Program** is dedicated to measurably impacting military spouse unemployment and underemployment by aligning with the HOH strategies of grassroots engagement and public-private partnerships. Also in collaboration with the U.S. Chamber of Commerce's vast network of state and local chambers and strategic partners from the public, private, and non-profit sectors, our goal is to advance the narrative across America about the value of military spouses in the workplace and connect military spouses with continuous and meaningful employment opportunities.



MILITARY SPOUSE COMPLEMENTING PROGRAMS

MILITARY SPOUSE PROFESSIONAL NETWORK (MSPN)

- Provides military spouses with **vital career development and employer networking opportunities** in military communities around the world
- With roughly **80% of jobs filled by referral**, networks aim to reduce job search time during frequent and unpredictable military moves
- **60+ locations** led by volunteers host at least one professional development or networking event per quarter

STRUCTURE & FORMATION



COMMUNITY PARTNERS

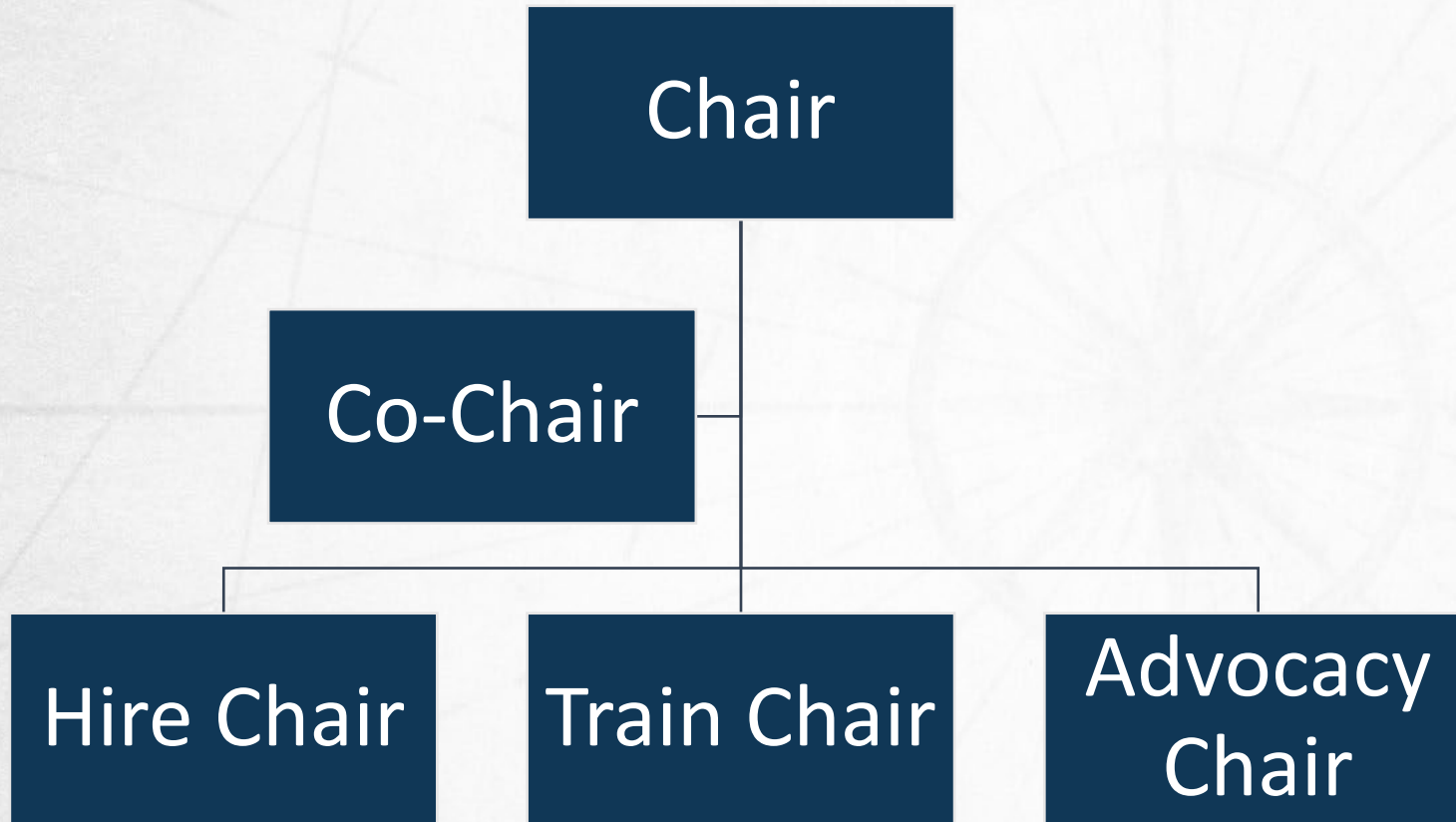
- MILITARY INSTALLATION
- KEY SPOUSES
- CHAMBERS OF COMMERCE
- ECONOMIC DEVELOPMENT ORGANIZATIONS
- DEPARTMENT OF LABOR
- AMERICAN JOBS CENTER/WORKFORCE DEVELOPMENT OFFICE
- BUSINESSES
- MILITARY NON-PROFITS
- MILITARY RELATED PROGRAMS

MILITARY SPOUSE EMPLOYMENT: **ACTIONABLE SOLUTION**

MILITARY SPOUSE ECONOMIC EMPOWERMENT ZONES

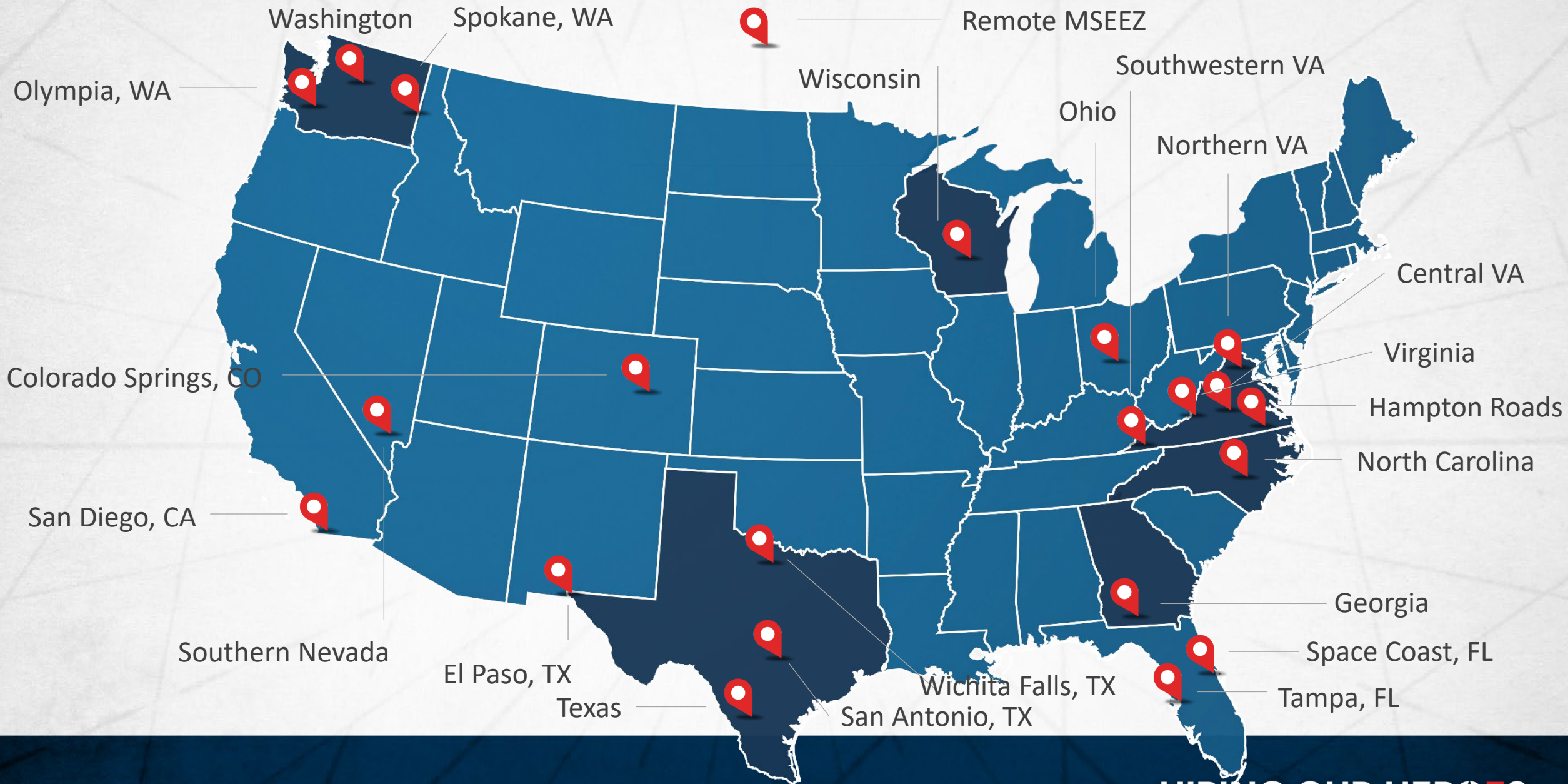
Military Spouse Economic Empowerment Zones (MSEEZ) are focused on combatting the economic impact military spouse unemployment and underemployment have on 21st century military families by facilitating collaboration between local and national employers, educational institutions, and community resources. MSEEZ build robust employment networks for military spouses and develop workforces across the United States.

STRUCTURE & FORMATION



COMMUNITY PARTNERS

- MILITARY INSTALLATION
- STATE LEVEL CONTACTS
- CHAMBERS OF COMMERCE
- ECONOMIC DEVELOPMENT ORGANIZATIONS
- DEPARTMENT OF LABOR
- AMERICAN JOBS CENTER/WORKFORCE DEVELOPMENT OFFICE
- BUSINESSES
- MILITARY NON-PROFITS
- MILITARY RELATED PROGRAMS



MSEEZ LOCATIONS

TACTICS

Fellows Program

“Military fellows have a great ability to think on their feet and excel in ambiguous situations. Past fellows have become strong voices inside their teams and help to bring more military talent into AWS daily.”

- Nick Curry, Manager, Military Initiatives & Apprenticeships, Amazon Web Services

Active Duty Internships (SkillBridge)

- 12-week internships for active duty service members right before their transition
- Salaries paid by DoD
- Majority of candidates hold degrees
- Equal representation of junior and senior level service members
- Available nationwide

Industry-Focused Internships

- For veterans, active duty, military spouses, and caregivers
- Automotive: Toyota Technician Training (M-TEN)
- Solar/Energy: Department of Energy/Solar Foundation
- Applied Technology: Salesforce
- Emerging Technology: Multiple opportunities

Military Spouse & Caregiver Internships

- 6- to 12-week internships for military spouses and caregivers in local communities
- Salaries paid by HOH
- Majority of candidates hold degrees
- 8 Location-based programs and virtual opportunities across the country
- 90% are female

ACTIVE DUTY INTERNSHIPS

86%

hiring rate

\$93k

average salary

INDUSTRY-FOCUSED INTERNSHIPS

SALESFORCE
\$87k

average salary

SOLAR
\$84k

average salary

M-TEN
\$36k

average salary

MILITARY SPOUSE & CAREGIVER INTERNSHIPS

85%

hiring rate

\$63k

average salary



MILITARY SPOUSE FELLOWSHIP PROGRAM LOCATIONS

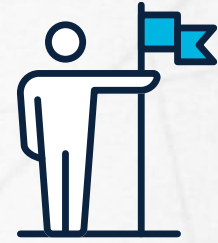
MILITARY SPOUSE COMPLEMENTING PROGRAMS



Hiring Events



GROW



Career Summits

HiringOurHeroes.org

HIRING OUR HEROES

U.S. CHAMBER OF COMMERCE FOUNDATION

Tampa

MILITARY SPOUSE ECONOMIC EMPOWERMENT ZONE OVERVIEW

MILITARY SPOUSE EMPLOYMENT: EMPLOYER ENGAGEMENT

TAMPA MILITARY SPOUSE ECONOMIC EMPOWERMENT ZONE

- **Military Spouse Economic Empowerment Zone Work Group**- convenes quarterly to develop workforce solutions for military spouses
- Collaborative working groups concentrate on **hire, train, and advocate** pillars of concentrated work in support of military spouses, combating unemployment and underemployment

TAMPA MSEEZ GOALS

HIRE

- Build awareness and **generate hiring commitments** from local Tampa employers
- Develop a **directory of local employers** committed to improving military spouse employment in Tampa

TRAIN

- Host quarterly industry connect webinars to **bridge the divide** between local employers & military spouse talent
- **Generate and share content** (stories) about military spouses supporting the local economy

ADVOCATE

- Develop Tampa/MacDill **profile of military spouse talent** to help employers better understand the population
- Advocate for statewide tracking of military spouse unemployment and initiatives that remove barriers to employment



Site Survey Criteria

Enterprise: CONUS AMC installation with a current Active Duty-led KC-135 tanker wing and minimum 7,000' runway

Mission

- Fuels Dispensing (Type III Hydrant)
- Fuels Storage (1.2M gallons)
- Fuels Receipt (240K gallons/day)
- Classic Association

Environmental

- Air Quality, Encroachment, Land Use, Noise

Cost

- One Time
- Recurring

10 USC §483 Congressional Elements

- Joint and all-domain training capabilities
- Airspace and training areas available
 - Airfield/Airspace Availability (168 hours/week)
- Community support
 - Transportation, utility infrastructure, housing, family support activities

Capacity

- Operations
 - Squadron ops/AMU facility
 - Ramp/parking – 15 spaces
- Logistics Facilities
 - Maintenance hangars (5 spaces)
 - Corrosion control capability
 - ATS facility (WST/BOT, classroom)
 - Fuselage training facility
 - Communications (7.2 Mbps)
- Base Support Tail
 - Child care, Chaplain, fitness center, medical care

Military Family Readiness

- Housing
 - Action's impact on private sector and military family housing
- Health Care
 - Action's impact on purchased and direct health care
- Support Of Military Families
 - Public education
 - Licensure portability

LOOKING AHEAD



Regional Partnerships

- Working across the I4 Corridor
- Advocating for statewide initiatives
- Sharing best practices

MSEEZ CHAIR
CONTACT INFORMATION

Katie Lopez

Tampa MSEEZ Chair

Sr. Director, Military & Workforce Development

Tampa Bay Chamber

klopez@tampabaychamber.com

HiringOurHeroes.org



@HiringOurHeroes / @HOHMilspouse

HIRING OUR HEROES

U.S. CHAMBER OF COMMERCE FOUNDATION

SPACE COAST MILITARY SPOUSE PROGRAMS

OUR HISTORY

The **Hiring Our Heroes (HOH)** Space Coast Military Spouse Professional Network (MSPN) launched in **August 2020** as a countywide effort to connect military spouses with meaningful employment.

Expanding on the recruit of over **500 career-minded military spouses**, the Space Coast MSPN built relationships with employers, organizations and government entities to tackle military spouse un and underemployment. **April 2022 the Space Coast Military Spouse Economic Empowerment Zone (MSEEZ) officially launched.** The goal is simple, to create a movement across the Space Coast where veterans and military families have a network ready and able to assist with finding meaningful employment through the hire, train and advocate pillars.

SPACE COAST MSPN LEADS LEADERSHIP STRUCTURE

CHAIR

Jaime Rhude
Future Home Loans

Katie Garcia
Technical Systems
Integrations, Inc

Courtney Zachery
Turner
Exp Realty

Perla Brito
Patrick Space Force
Base

Dawna McMackin
J & D Momentum

SPACE COAST MSEEZ CHAIRS

LEADERSHIP STRUCTURE

CHAIR

Julia Williford
Leonardo DRS

CO-CHAIR

Pamela Davis
Sidus Space

HIRE CHAIR

Jeff Jurinak
Health First

TRAIN CHAIR

David Jones
Diversity of Thought

ADVOCACY CHAIR

Cory Skeates
Cocoa Beach Chamber
of Commerce

SPACE COAST GOALS & OBJECTIVES

LOCAL GOALS:

- **Professional development** for employers and military spouses
- **Connect** the military community with employers, existing and Hiring Our Heroes free resources
- Increase utilization of resources through tools like the **Space Coast Military Friendly Guide**
- **Create database** of Human Resource professionals to review resumes, provide informational interviews etc. for the military community
- Split out military spouses on the **Economic Impact Report**

BRIDGING THE GAP:

- **Space Coast Military Friendly Guide:** Economic Development Commission of Florida's Space Coast developed a guide to streamline moving to the Space Coast for military families. Space Coast MSPN helped provide content for the guide.
- **Military Community Mixers:** directly connects the military community with employers through networking mixers.
- **Panel Discussions:** Employer panel discussions share best practices from hiring from the military community.
- **Fellowships:** Connect employers and the military community with fellowship programs.

EVENTS

MIXERS, LAUNCH & SOCIAL



CONTACT INFORMATION

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Chair, Hiring Our Heroes

SpaceCoastMSEEZ@HiringOurHeroes.org

Pam Davis

Co-Chair, Hiring Our Heroes

Pamela.Davis@SidusSpace.com

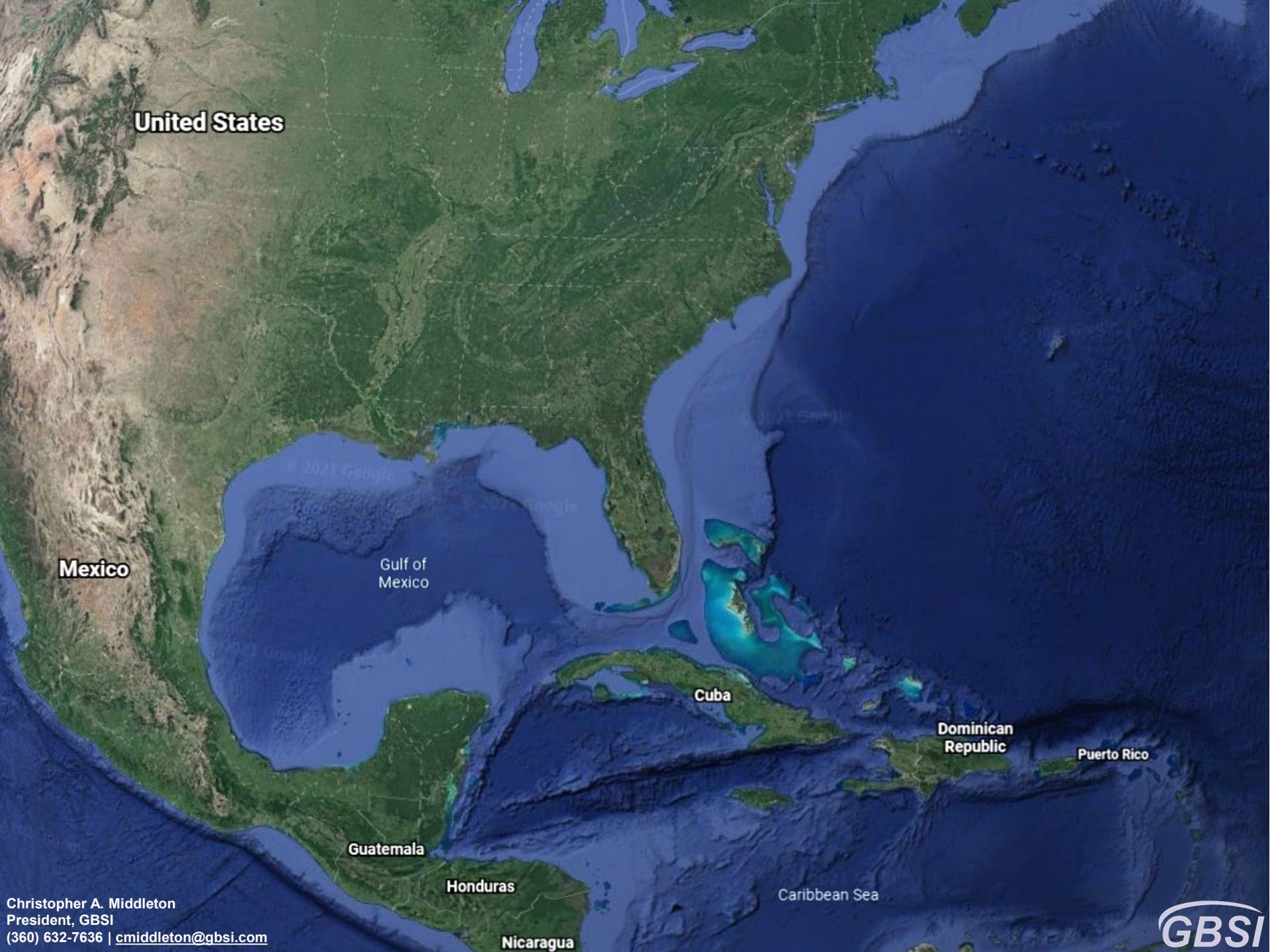
Angela Neal

Space Coast Advisor, Hiring Our Heroes

ANeal@SpaceCoastEDC.org



[@HiringOurHeroes](#) / [@HOHMilspouse](#)



United States

Mexico

Gulf of Mexico

Cuba

Dominican Republic

Puerto Rico

Guatemala

Honduras

Nicaragua

Caribbean Sea

Christopher A. Middleton
President, GBSI
(360) 632-7636 | cmiddleton@gbsi.com





China

South Korea

Japan

Yellow Sea

East China Sea

epal

Bhutan

Bangladesh

**Myanmar
(Burma)**

Taiwan

Laos

Philippine Sea

engal

Thailand

Vietnam

South
China Sea

Luzon

Andaman Sea

Cambodia

Philippines

Gulf of
Thailand

Panay

Palawan

Negros

Mindanao

Malaysia

Basilan Island

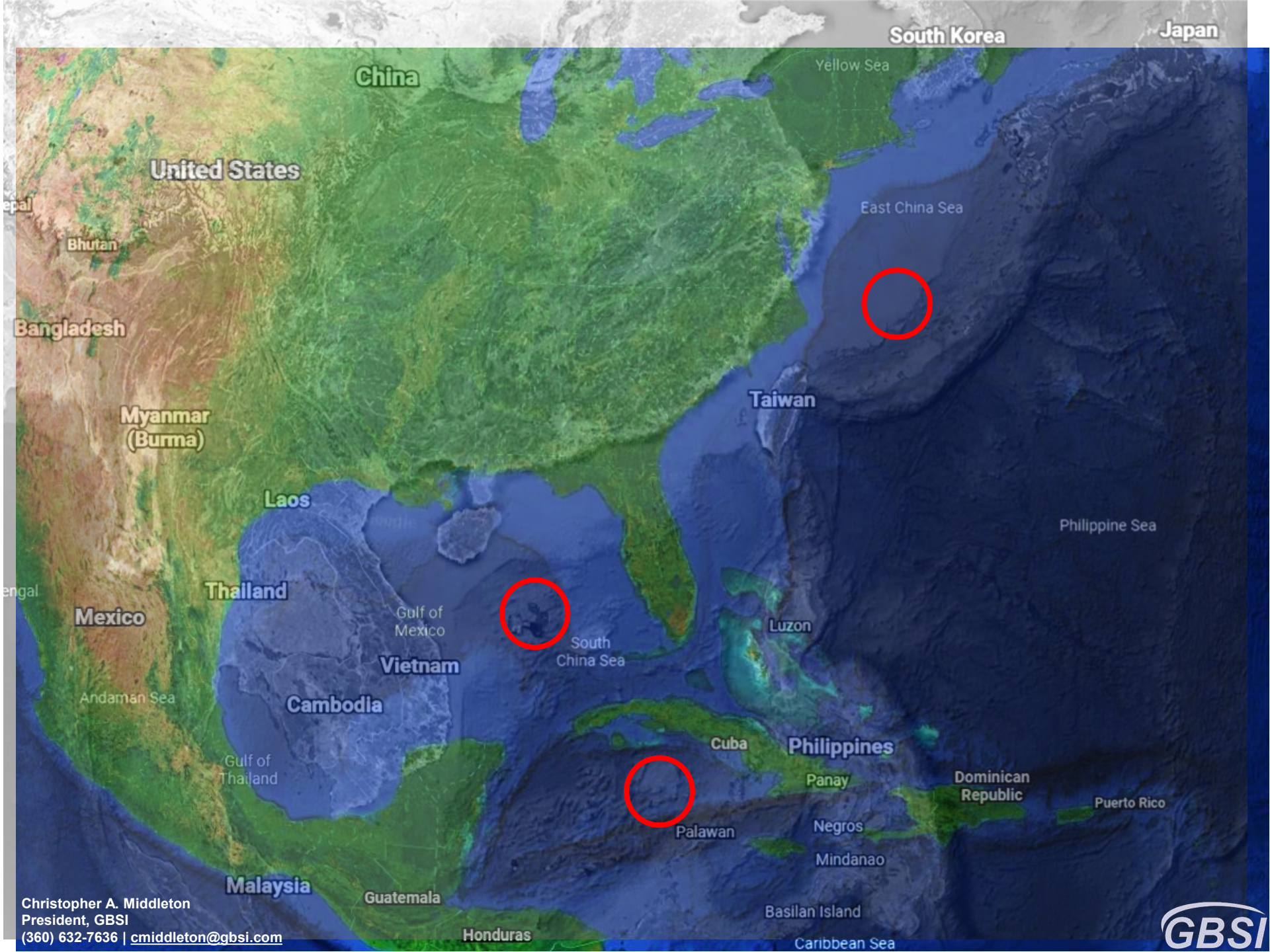


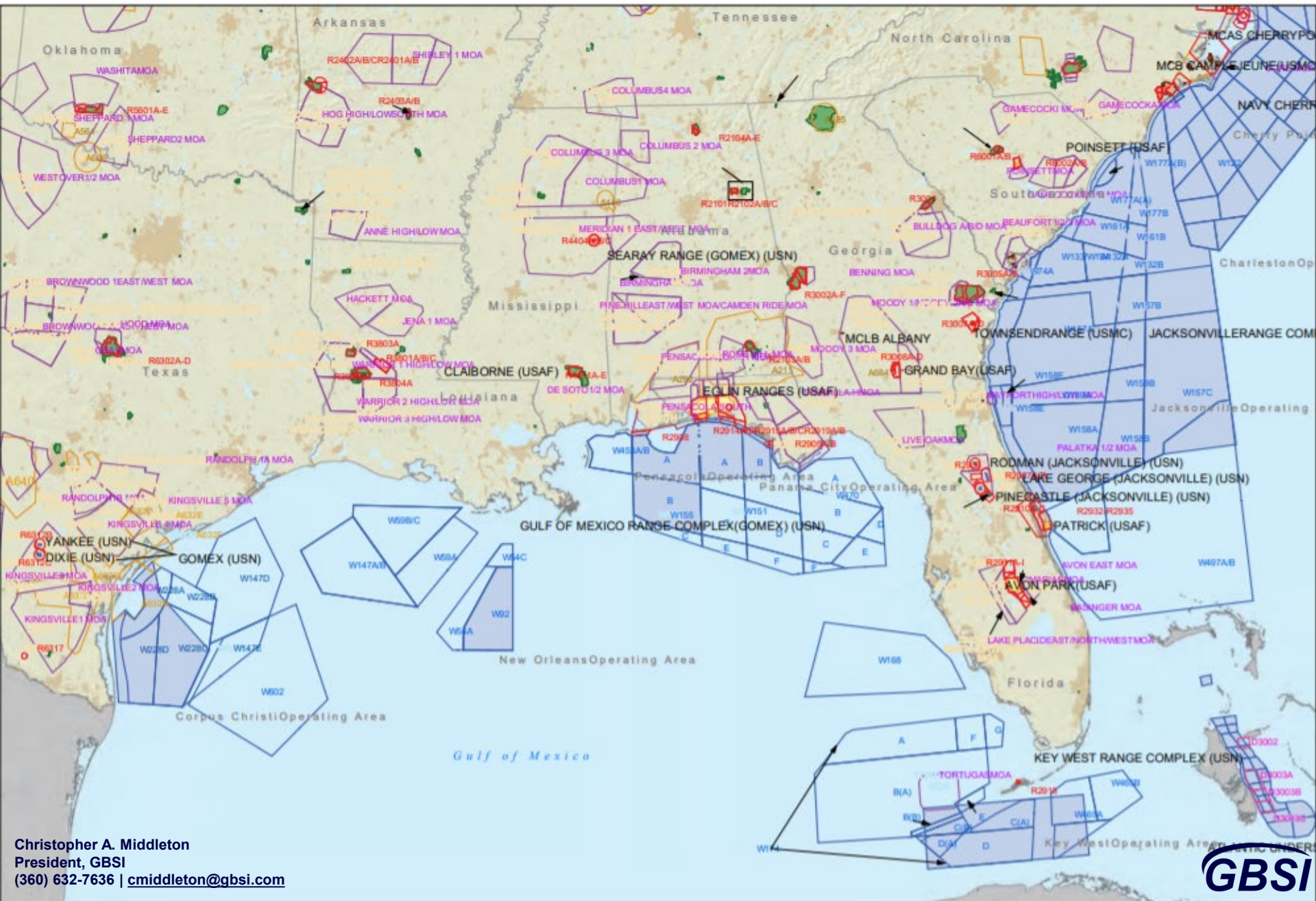
2022 National Defense Strategy

The Defense priorities are:

1. Defending the homeland, paced to the growing multi-domain threat posed by the People's Republic of China (PRC)
2. Deterring strategic attacks against the United States, allies, and partners
3. Deterring aggression, while being prepared to prevail in conflict when necessary, prioritizing the PRC challenge in the Indo-Pacific, then the Russia challenge in Europe
4. Building a resilient Joint Force and defense ecosystem.

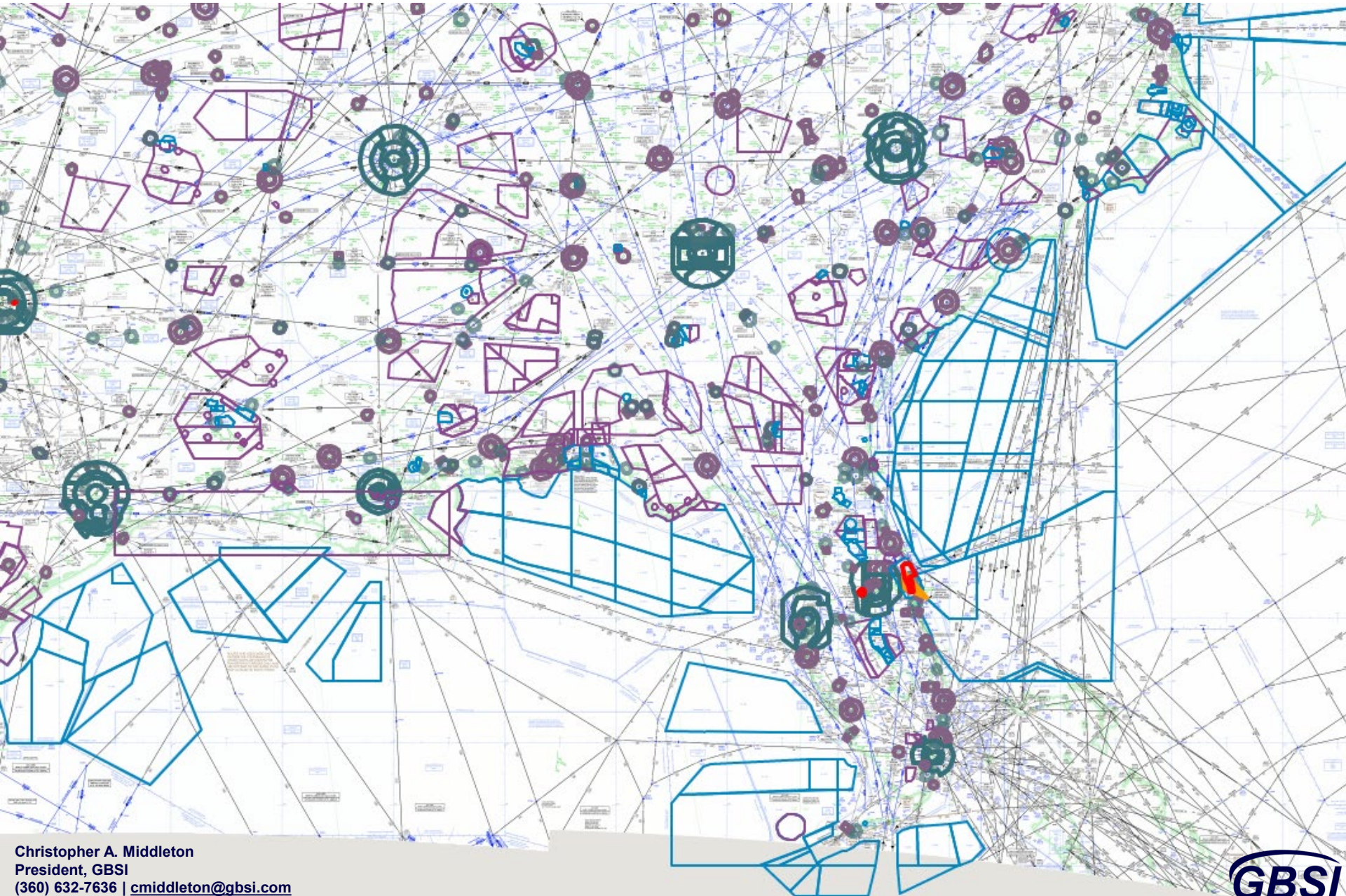
The Department will act urgently to sustain and strengthen deterrence, with the People's Republic of China (PRC) as our most consequential strategic competitor and the pacing challenge for the Department.





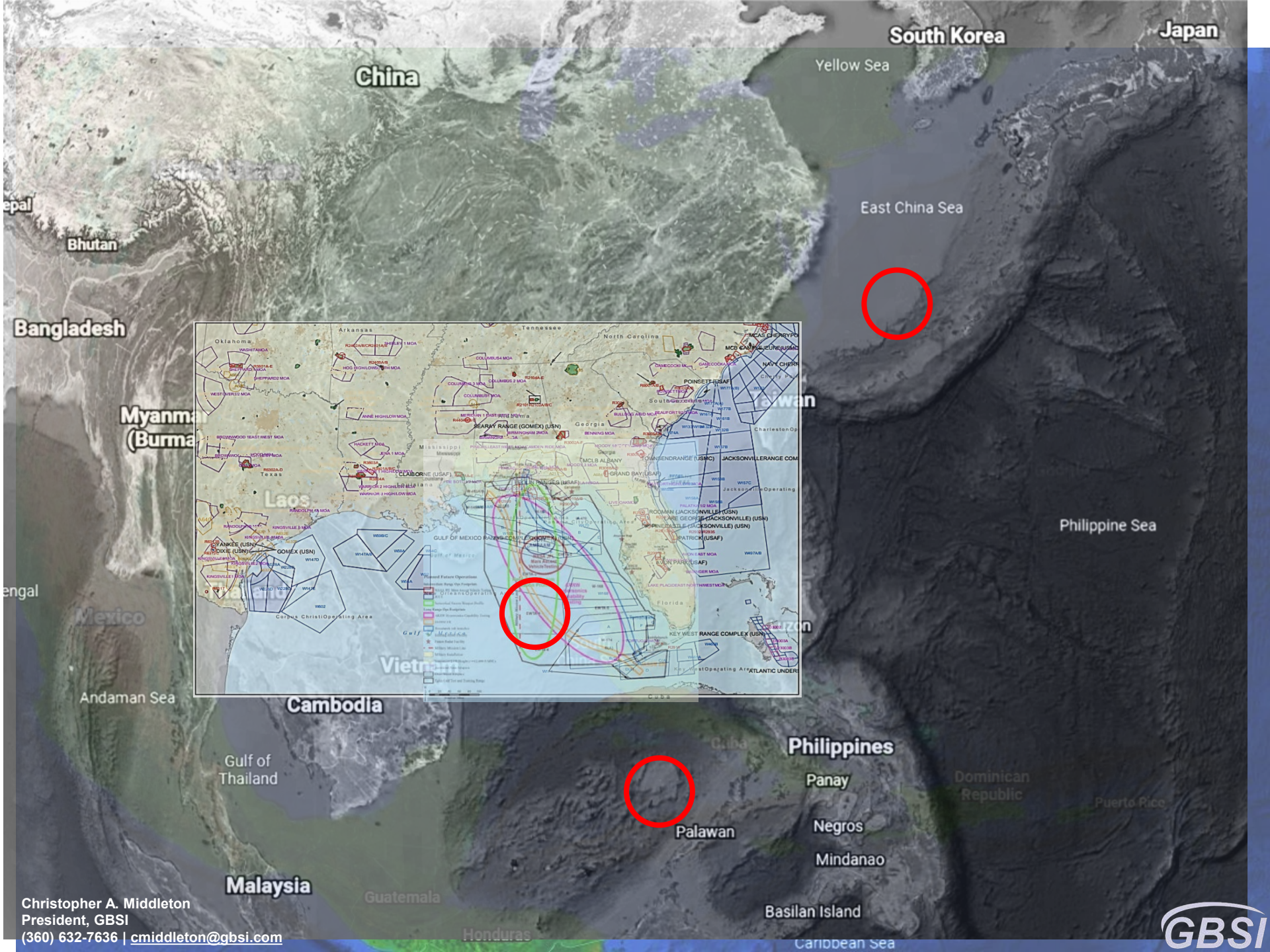
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South Korea

Japan

China

Yellow Sea

East China Sea

Nepal

Bhutan

Bangladesh

Myanmar
(Burma)

Laos

India

Mexico

Andaman Sea

Cambodia

Gulf of Thailand

Malaysia

Guatemala

Honduras

Philippines

Panay

Negros

Mindanao

Palawan

Basilan Island

Dominican Republic

Puerto Rico

Caribbean Sea

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Support network

Florida's Military Installations, Missions, and Key Organizations



Panel Discussion

1. **Insight on the Florida Pacific Range concept?**
2. **Recommendations for Defense Communities?**
3. **Recommendations for Defense Alliances?**
4. **Challenges that can be addressed?**



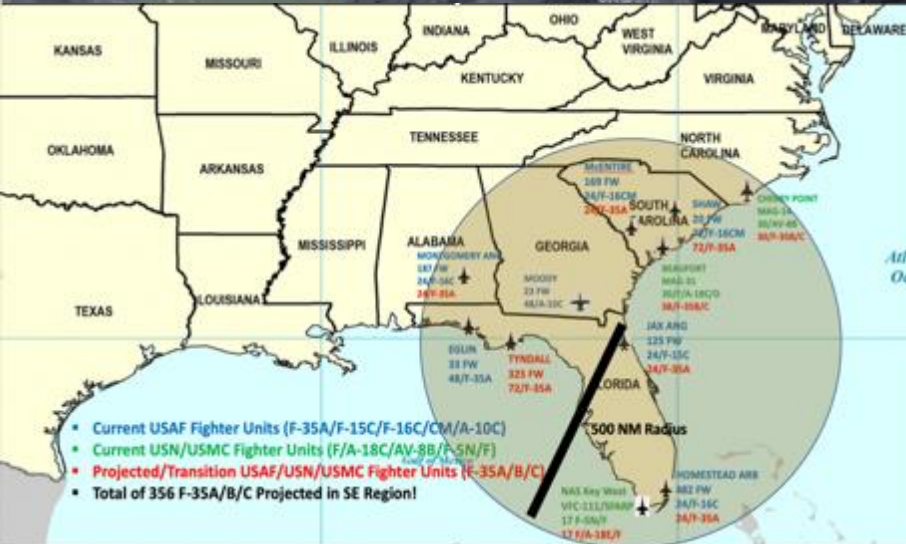
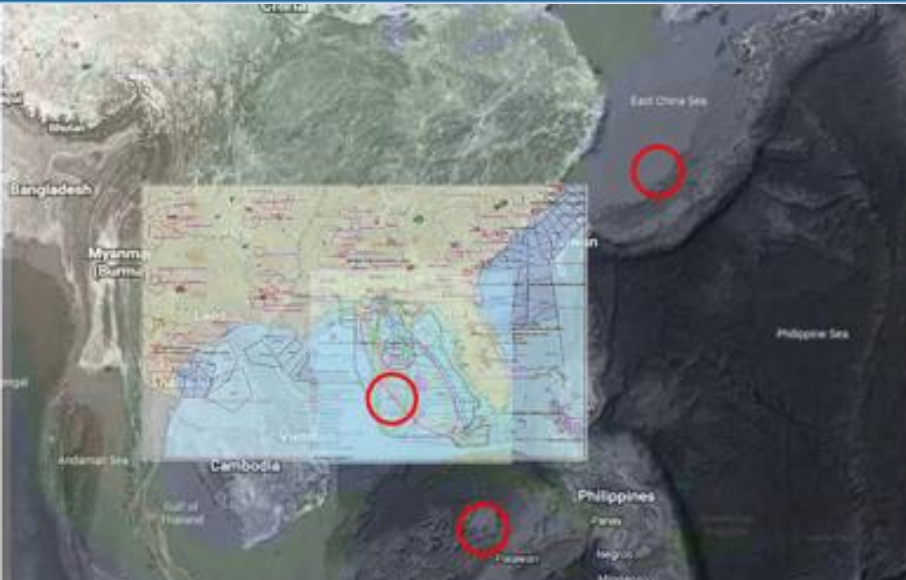
UNIVERSITY *of*
WEST FLORIDA

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

Presentation to the Florida Defense Alliance

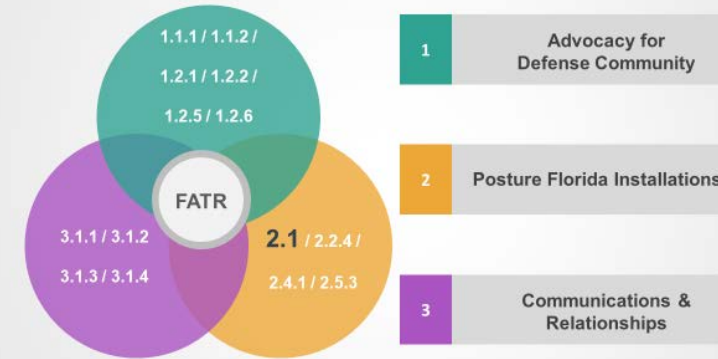
16 November 2022

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!

University of West Florida leads the initiative as the Grant Recipient, Administrator and Research Institution

Supported by:

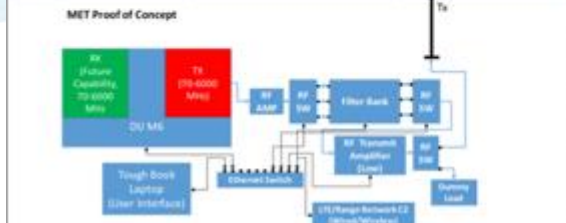
- **Six Subject Matter Experts in various disciplines / U.S. Air Force & U.S. Navy backgrounds**
 - **Scientific Research Corporation representatives**
-

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	MET-Medium	MET-High
Frequency Range	30 MHz - 6 GHz	30 MHz - 6 GHz	30 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
Electronic Warfare	Acc Radar, BPSK Pulsed	Acc Radar, BPSK Pulsed, FMI/Sweep FM, Chirp	Acc Radar, BPSK Pulsed, FMI/Sweep FM, Chirp
Radar	AM, FM, FSK, BPSK, QPSK	AM, FM, FSK, BPSK, QPSK	AM, FM, FSK, BPSK, QPSK
Communications	Up to 56 MHz	56/120 MHz	200 MHz
Transmit Bandwidth	~20 Watts	~200 Watts	~1000 Watts
RF Transmitter Power	Threat/Target	Structural Threat/Target, Manually Selected to ACU	Structural Threat/Target, Automatically Controlled to ACU
Antenna Type	Electronic Warfare Functions - Basic Spectrum Monitoring (Amp/Freq and Waterfall)	Electronic Warfare Functions - Basic Spectrum Monitoring (Amp/Freq and Waterfall), Lockthrough and Waterfall, Auto/Preset Jam	Electronic Warfare Functions - Basic Spectrum Monitoring (Amp/Freq and Waterfall), Lockthrough and Waterfall, Auto/Preset Jam
Receiver Capabilities	Up to 56 MHz	56/120 MHz	200 MHz
Receiver Bandwidth	Single Threat Case (TRG), 1/2 Mhz	Two Threat Cases (TRG), 1 Mhz	Two Threat Cases (TRG), 1 Mhz
Size	~30 to ~100° C	~30 to ~100° C	~30 to ~100° C
Temperature (Operating)	2 Mhz (1/2) Transponder/Modem	2 Mhz (1/2) Transponder/Modem	Transponder/Modem
Portability			



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

FDSTF Awarded \$300K for Phase 1A work in October 2022



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

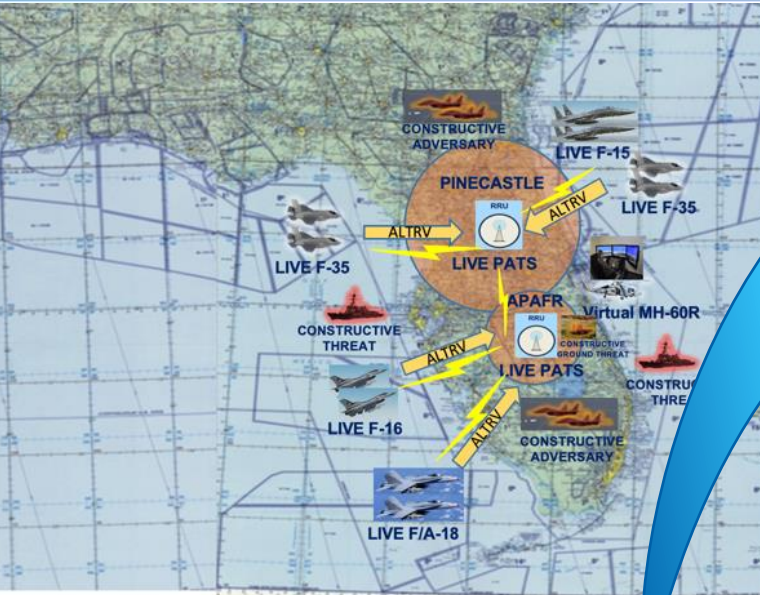
DELIVERABLES

- 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

Request submitted to FDSTF for \$460K for Phase 1B work to begin in July 2023

PHASE 2/3

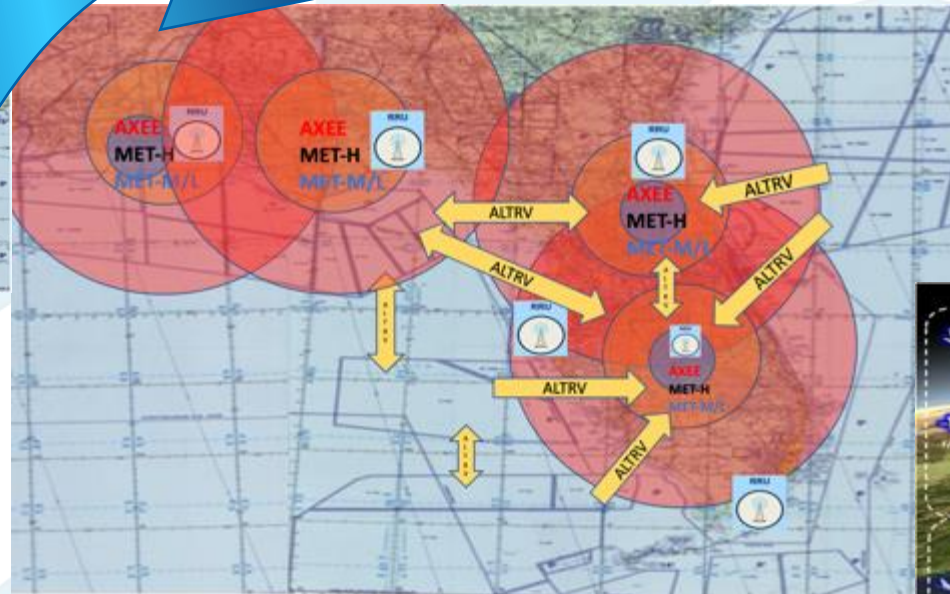


Phase 2 Beta Test

- **Funded by Federal/DoD Sources**
 - OSD-Force education and training
 - NGRE
 - Program Executive Office for Simulation, Training and Instrumentation
 - Threat Systems Management Office (TSMO)
 - CCMD/USAF/USN/USA/USMC/USSF/USCG
 - Congressional insert (Mach 1 Caucus)
- **12-month proof of concept test**
- **Primarily aviation weapon systems testing**

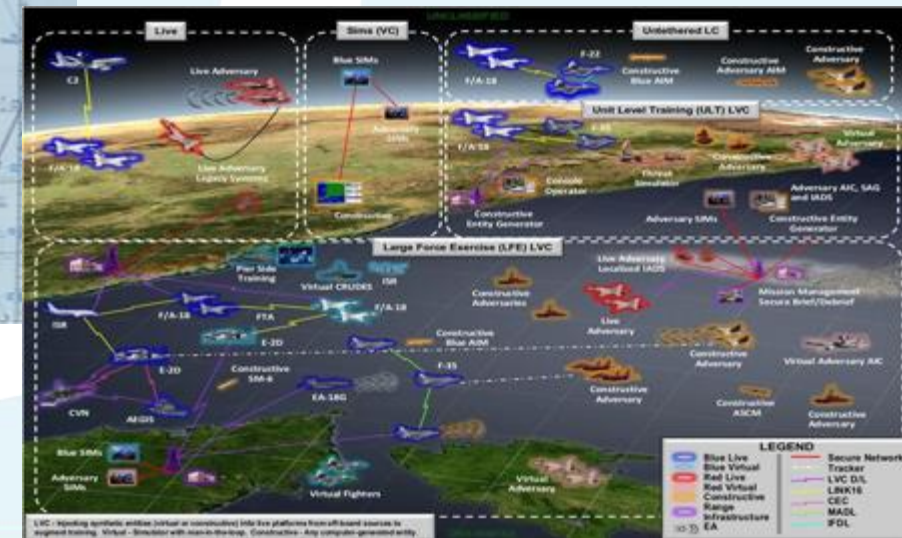
Phase 3 Build Out

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



FATR

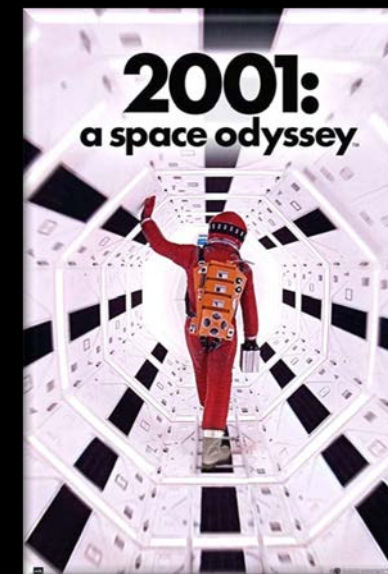
- **150,000 sq mile training range**
- **Joint, all-domain LVC environment**
- **Tailorable scenarios for all missions**



Questions or Comments



Recall How Space Motivated Us



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NETWORK —

Shoot for the Moon The Sky's the Limit



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Outreach Partnership Proposal
to



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A Traditional Conference-Based 'Career Fair'
...at Ludicrous Speed



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Outreach Partnership Proposal to

38 Yr Space - NatSec
43 Yr Fireman - Medic

33 Yr Space - Cyber
10 Yr Think - Tank

Engineer
Scientist
Super - Geek
Evangelist

FL/US/Global
Non- Profit
501(c)(3)
NGO



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Just the Facts

🔍 Why

⚙️ How

🌐 What

😊 Who

🕒 When

📍 Where

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😊 Who

Wanted...Alive

Diverse & Inclusive Candidate Recruitment

Space Wants You

Job Seekers
College Students & Graduates
High School Students & Graduates
Career Transitioners

- All STEM
- All Skills
- All Fields
- All Levels
- All Majors

- All Non-STEM
- All Disciplines
- All Experiences
- All Communities
- All Backgrounds

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When

Scheduled for Launch

Commercial Space Week

Feb 17
Fri



Feb 20
Mon

Feb 21
Tue

Feb 22
Wed

Feb 23
Thu

Feb 24
Fri

<p>SPARK STEM FEST</p> <p>Orlando Science Center</p> <p>UCF OFFICE OF RESEARCH</p> <p>CAREER COM</p>	<p>GLOBAL SPACEPORT ALLIANCE Spaceport Summit</p>		<p>SPACECOM[®] THE GLOBAL COMMERCIAL SPACE CONFERENCE & EXHIBITION</p> <p>49th SPACE CONGRESS[®]</p>  <p>CAREER COM</p>	 <p>NASA-KSC Tours</p>
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 Where

Where in the World?

Orlando, Florida



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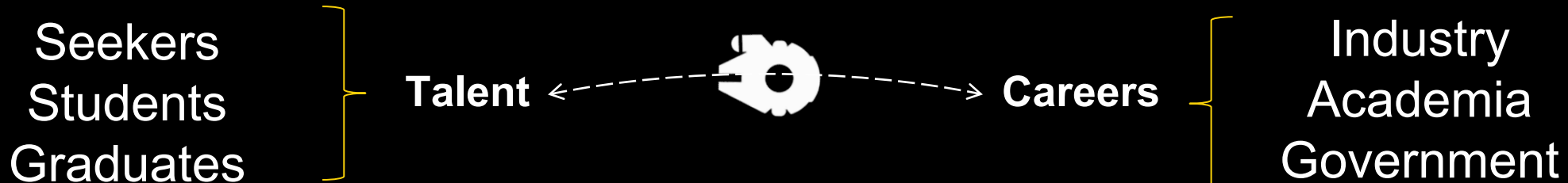
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How

Innovation Inspiration Ignition

Hyper-Connectivity



Need:

Career
North Star



Mission + Purpose + Community

Need:

Talent
Supply Chain










Ideation + Innovation + Creation

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What

Candidate-Connections

-  1 Exhibit Hall Stage
-  2 Screened Interviews
-  3 Speed Networking
-  4 Receptive Reception
-  5 Challenge Pitches
-  6 Art Competition
-  7 Essay Contest

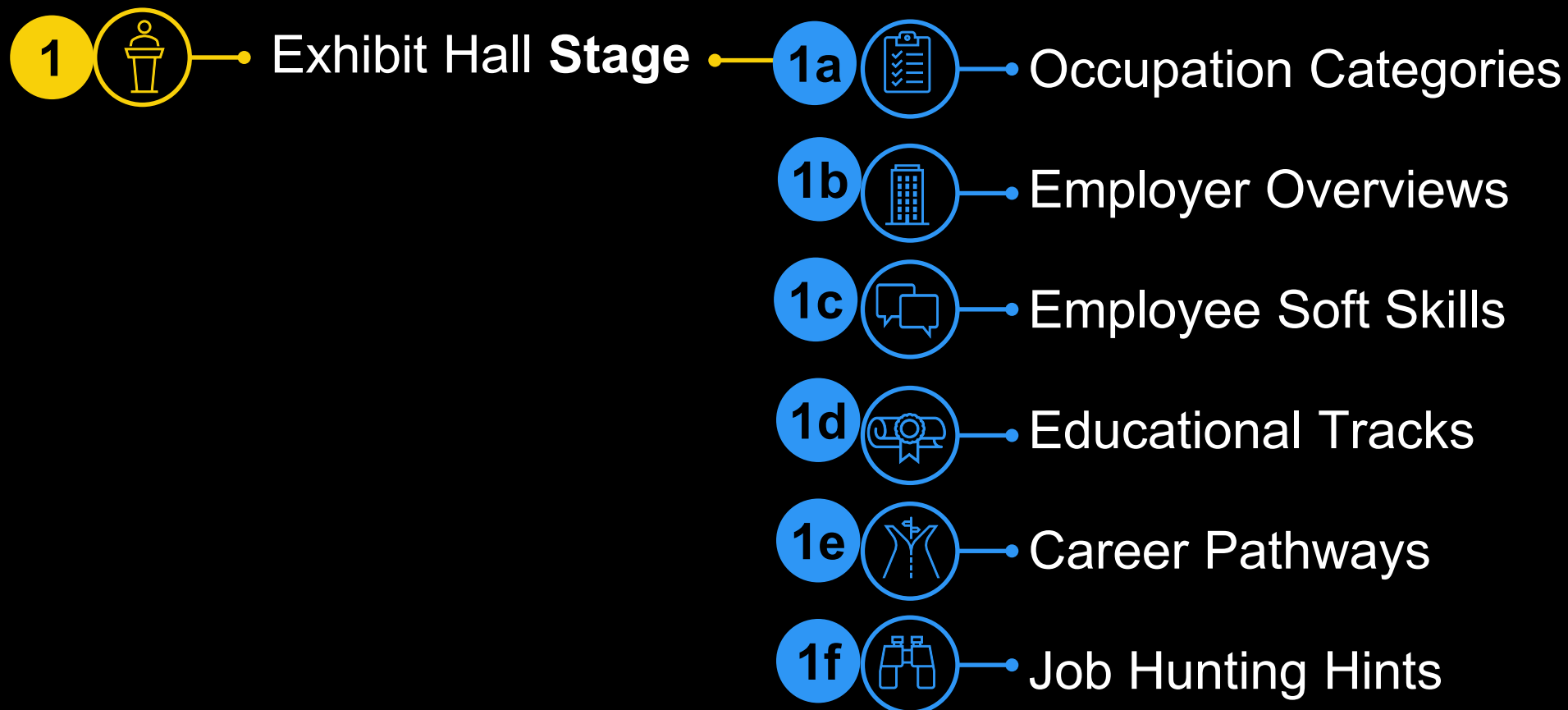
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What

All the Summit's a Stage



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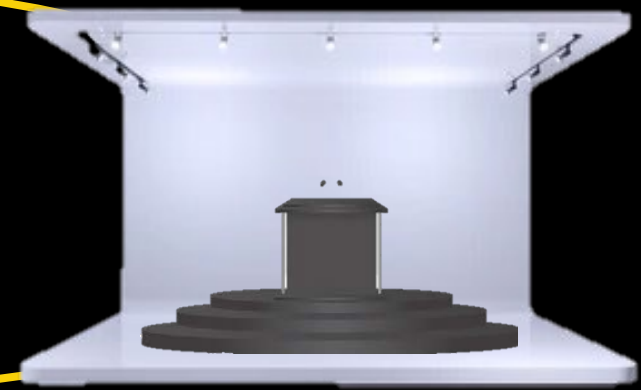
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What

Location, Location, Location

1 Exhibit Hall Stage

FOOD & CONCESSIONS											
335 Meeting Suites			435 534	535 634	635 734	Entrepreneur Pavilion			833 932		
328	329		433 532	533 632	633 732	Cyber Pavilion			1029		
324	325 424	427 526	425 524	521		729 828	829 928	927		1027	
322	323 422	423 522	521		727 826		827 926	924		1025	
320	321 420	421 520	521		725 824		825 924	921		1023	
314	313		415 512	513		723 822		823 922	921		1021
308	309	409 508	509 608		721 820		821 920	913		1015	
306	406		503		711 810		913		1013		
304	305	ENSCO, Inc.	All Points Logistics, LLC		708		909 1008		1009		
302	303 402	403	503		704		907 1006		1007		
HALL ENTRANCE											



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What

Don't Stop the Presses

-  Social Media **Influencers**
-  Comprehensive **Publicity**
-  Recruiting **Platform**
-  Printed **Directory**
-  Dedicated **Microsite**
-  Simultaneous **Livestream**

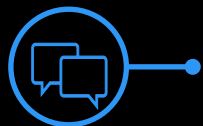
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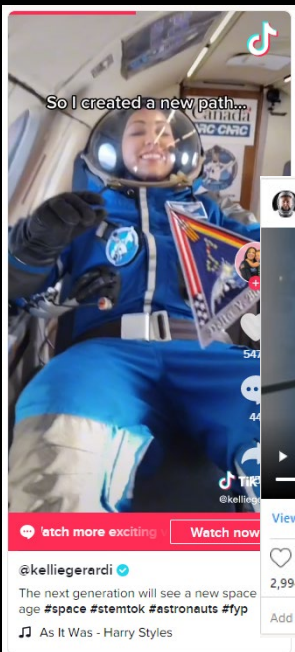
What

Don't Stop the Presses



Social Media Influencers

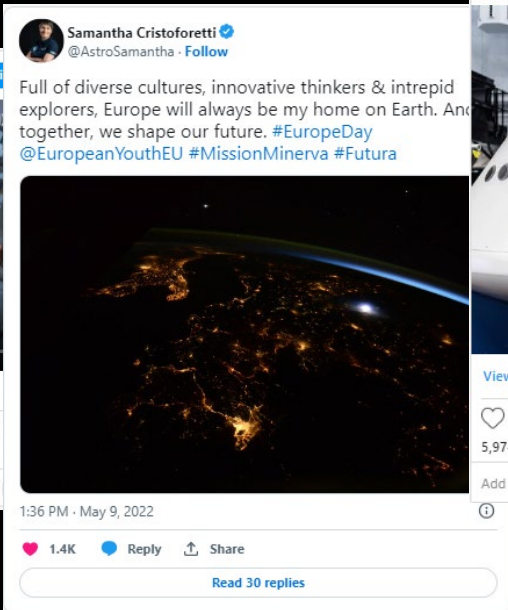
529K



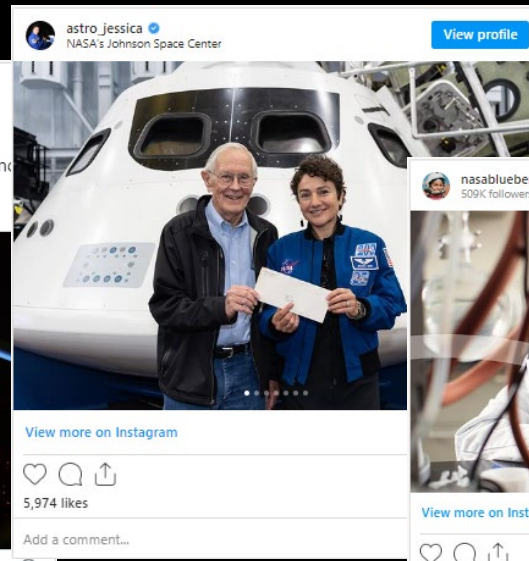
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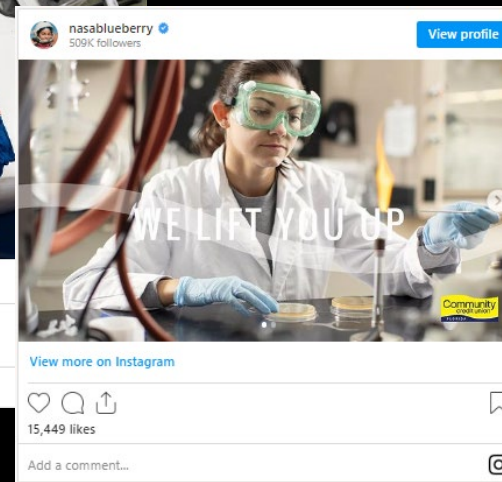
1M



353K



533K



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What

Remotely Possible



Simultaneous Livestream



5M+

WOMEN

1400+

COLLEGES



10M+

STUDENTS



1.2M+

BLACK

SPECIAL MILITARY OUTREACH FOCUS

- Veterans
- Spouses
- Children

1.2M+

LATIN

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Who

It's Who You Know

PENDING

- Outreach Partners
- Gov Agencies
- Scientific Societies
- Industry Associations
- Chambers of Commerce
- Professional Organizations



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 What

But Wait, There's More

Experiential Learning For Emerging and Novel Technologies (ExLENT)



\$1 Million Grants

- Inclusive Experiential Learning
- Diverse Student Cohorts
- Emerging Technologies

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What

But Wait, There's More

NASA International Space Apps Challenge – Kennedy Space Center



Galaxy's Largest Hackathon-Style Challenge

- STEM & Beyond – All Disciplines
- Locally & Globally Competing Teams
- Intensive *SOLUTIONneering* Weekend

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 What

But Wait, There's More

Space Startup Weekend – Kennedy Space Center



Boosting Entrepreneurs into Astronomical Success

- Think, Work, & Build a Startup in just 54 Hours
- Fully Immersive Self-Contained Idea Ignitor
- World Class Mentors, SME, and Coaches

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 What

But Wait, There's More

U.S. Department of Technology (DTech)



Establish & Maintain Technological Supremacy

- Cyber-Space, Neuro-Space, & Outer-Space
- Coordination, Collaboration, & Communication
- Public-Private-Public-Policy-Program Partnerships

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not
The Sky's the
Limit...Anymore
Join Us

FLORIDA
DEFENSE
ALLIANCE

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May the Space
Work Force Be with You



Thank
You

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HEROES TO EDUCATION: AN INNOVATIVE SOLUTION TO PUBLIC EDUCATION CRISIS

> Building Successful Coalitions With
Federal, State and Local Partners <

HEROES TO EDUCATION

ADDRESSES ISSUES FACING OUR COMMUNITIES AND NATION TODAY

- PUBLIC EDUCATION CRISES

- Positions Unfilled
- Early Retirements and Job Abandonment
- Colleges of Education's Declining Enrollment
- Two-Year Gap in Student Learning Opportunities
- Male Educators and Culturally Diverse Role Models Needed

- ACTIVE-DUTY, VETERANS, AND THEIR FAMILIES AVAILABLE, TRAINED & PASSIONATE

- ✓ 2021 Blue Star Family Lifestyle Survey Identified Top Issues Facing Active-Duty Families:
 - Military Spouse Employment @ 43%; Underemployment @ 63%
- ✓ Continuing To Serve their Community & Country
- ✓ Assures Economic Stability & Community Growth

WHO ARE THE HEROES TO EDUCATION

- A PUBLIC - PRIVATE 501 C-3 ORGANIZATION
- VETERANS, NATIONAL GUARD, RESERVISTS, THOSE LEAVING THE SERVICE WITHIN SIX MONTHS AND THEIR SPOUSES
- ACTIVE-DUTY SPOUSES BEFORE NEW DUTY STATION RELOCATION, OR UPON ARRIVAL, OR SETTLED
- AVAILABLE TO FILL ALL PUBLIC SCHOOL SYSTEM POSITIONS INCLUDING, BUT NOT LIMITED TO, TEACHING, CTE, IT, STUDENT SERVICES, SAFETY, OPERATIONS, SKILL TRADES, ADMINISTRATIVE, CLERICAL, MAINTENANCE, FOOD SERVICE
- PARTICIPANTS ARE PROVIDED AN ARRAY OF ASSISTANCE AND SUPPORT VIA ORGANIZATIONS & MILITARY
- THERE IS NO FINANCIAL COSTS TO THE STATES, DISTRICTS OR PARTICIPANTS TO PARTNER WITH HEROES TO EDUCATION

CURRENT PLANNING TEAM

○ LEADERSHIP MEMBERS

- ✓ Lieutenant General David Ohle ®
- ✓ Retired Military Officers [8]
- ✓ College President (R) [1]
- ✓ Human Resources Specialist [1]
- ✓ K-12 Representative [1]

○ NATIONWIDE VOLUNTEERS FROM PARTICIPATING SCHOOL DISTRICTS IN THREE STATES WORKING TOGETHER TO CREATE MODELS

○ FIVE YEARS OF WORKING TOGETHER

○ PRO BONO SUPPORT FROM VARIOUS COMPANIES, I.E. SOFTWARE

HEROES TO EDUCATION

STAKEHOLDER INPUT AND DESIGN

➤ RECRUITMENT OF HEROES

- ✓ Conducted by district representatives, state coordinators, military installations

➤ JOB IDENTIFICATION FOR HEROES

- ✓ School Districts will provide their needs into a national data base by job classification & requirements

➤ TRAINING, EDUCATION AND CERTIFICATION OF VETERANS AND THEIR SPOUSES

- ✓ Gaps between participant's knowledge, skills & job requirements will be coordinated between educational, vocational, technical and military providers
- ✓ Mentors will be provided for transition support
- ✓ Professional Development with the district will commence with employment

➤ INTERSTATE TEACHER MOBILITY COMPACT

PROTOTYPE PARTNER STATES/DISTRICTS

○ FLORIDA

- * Miami-Dade County Public Schools
- * Duval County Public Schools
- * Hillsborough County Public Schools
- * Pinellas County Public Schools
- * Orange County Public Schools
- * Lee County Public Schools

○ CALIFORNIA

- ❖ Los Angeles Unified School District
- ❖ San Diego Unified School District
- ❖ Orange County Office of Education
- ❖ Riverside County Office of Education
- ❖ San Bernardino City Unified School District
- Travis Unified School District
- Silver Valley Unified School District
- Fresno Unified School District
- Oakland Military Institute
- Murrieta Valley Unified School District

○ NEVADA

- Clark County School District
- Washoe County School District
- Churchill County School District
- Elko County School District
- Lyon County School District

PROTOTYPE FEDERAL, STATE, AND COMMUNITY OUTREACH PARTNERS

- STATE GOVERNMENT:
 - Governor's Military Council
 - Department of Veteran Services
 - Department of Employment—Work Force Development Boards; Job Connect Offices
 - Department of Education
 - Commissions for the Interstate Compact for Military Children—Installation/Family Liaisons
- MILITARY OR MILITARY-RELATED ORGANIZATIONS:
 - Work for Warriors/Career Source
 - Army Reserve Employment
 - ESGR—Employer Support for Guard and Reserve
 - Installation Military and Family Readiness Centers, Education Offices, Communication Offices
 - Various Military Spouse Groups

MORE OUTREACH PARTNERS

- LOCAL GOVERNMENTS—Cities and Counties
 - County Military & Veterans Affairs—San Diego and Los Angeles
 - Cities and Clark County –In Southern Nevada
- INSTITUTIONS OF HIGHER EDUCATION AND THEIR STUDENT VETS ORGANIZATIONS
 - Community Colleges
 - State Colleges
 - Universities

EVEN MORE OUTREACH PARTNERS

○ COMMUNITY GROUPS

- Chambers of Commerce Military Affairs Committees
- Military Veterans Coalitions—San Diego and Jacksonville
- Florida Defense Alliance—Family Support Group
- California Reintegration Project
- Various Civilian Military Councils—Southern Nevada Local Governments with Nellis and Creech Air Force Bases
- Various Veterans' Chambers of Commerce
- US Chamber of Commerce Foundation—Hiring Our Heroes, Military Spouse Outreach
- Goodwill
- United Way—Mission United

PROGRESS ON FEDERAL ACTION REQUIRED 501 c-3 PUBLIC/PRIVATE ORGANIZATION

- US Department of Education
- US Department of Veteran Affairs
- US Department of Defense
- US Department of Labor
- Presidential Executive Order
- Congressional Action

BENEFITS OF FEDERAL ACTION ON HEROES TO EDUCATION

FIRST

- A STATE DIRECTOR FOR MILITARY INSTALLATIONS IN EACH STATE
 - ✓ Ensure all Heroes to Education Teams have the resources and tools to comply with the Education Accountability Dash Boards
 - ✓ Build outreach partnerships that have been identified by the Prototypes
 - ✓ Share all updated information from the legislature, state DOE's and other requirements
 - ✓ Work with installation teams and outreach partners to evaluate methods and strategies, provide input to the National Team, and utilize feedback to improve process/program/delivery systems
 - ✓ Survey program participants and provide systemized evaluations use that feedback for continuous improvement to the process/program and district needs

FEDERAL ENHANCEMENTS WILL

SECOND

- Provide least one Heroes to Education Team on at least one military installation in each State
 - Composition: recruiter, counselor, placement assistance specialist
 - Multiple teams in states with multiple installations, i.e. Florida, Texas, California
- Personalized assistance to participants with school districts

FEDERAL ENHANCEMENTS WILL

THIRD

- PROVIDE TRANSITION MENTORING THROUGH PARTNER SCHOOL DISTRICTS AS SOON AS POSITIVE STEPS TOWARD SECOND CAREER ARE TAKEN THROUGH YEAR ONE ON THE JOB—
- PROVIDE PROFESSIONAL DEVELOPMENT
 - ✓ Subject Matter Mentor Trainer of Trainers
 - ✓ Micro-Credential Courses
 - ✓ Teacher Leadership Program
 - ✓ Heroes and Districts Focused Financial and Personnel Support
 - ✓ Support for National Board for Professional Teaching Standards Process

FOR FURTHER INFORMATION
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riceg1@live.com