



SUNS

SCALING UP NATURE-BASED SOLUTIONS

Building Capacity and Partnerships to Plan and Implement a Portfolio of Nature-Based Coastal Resilience Actions in Three Florida Panhandle Counties

The Nature Conservancy 

 USNA

N Northeastern University



Ice Breaker Activity

Holiday Highlights

1. Turn on video (if you are able)
2. Share your name, organization, location
3. Any holiday plans or highlights that you're looking forward to?
4. Anna Jane will pass it on



An aerial photograph of a coastal wetland. In the foreground, there is a dense area of brownish-green marsh grasses. A winding, dark blue waterway meanders through the marsh. To the left, a wooden pier extends from the land into the ocean. The ocean is a deep blue, and the sky is a clear, bright blue. A semi-transparent white banner is overlaid across the middle of the image, containing the text 'SUNS Progress & Roadmap' in a dark blue, sans-serif font.

SUNS Progress & Roadmap

Working Group Kickoff

July 2021

State of Resilience Planning & Projects in the Hurricane Michael Region

Portfolio Development Process & Feedback

September 2021

Conservation Priorities and Regional Strategies

Characterizing Project Benefits

April 2022 Preparing Community Dialogues

*Regional Strategy Workshops
January-April 2022*

Community Dialogues

Building the Portfolio

Community input on projects

Accelerator Track

Portfolio Development Process & Feedback

August 2021

Hazards and NBS Project Types

Portfolio Development Process & Feedback

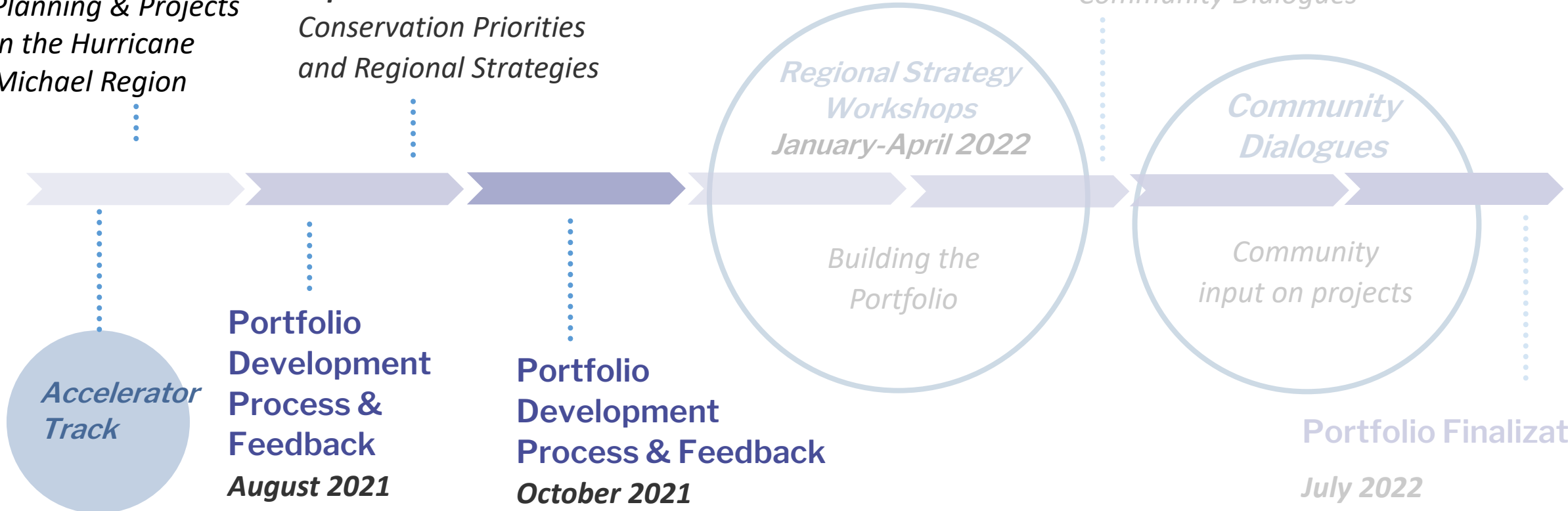
October 2021

Regional Strategies and Priority Locations

Portfolio Finalization

July 2022

Review community feedback, finalize selection of portfolio projects



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Regional Strategies and Priority Locations

Accelerator Track

Working Group Progress & Products

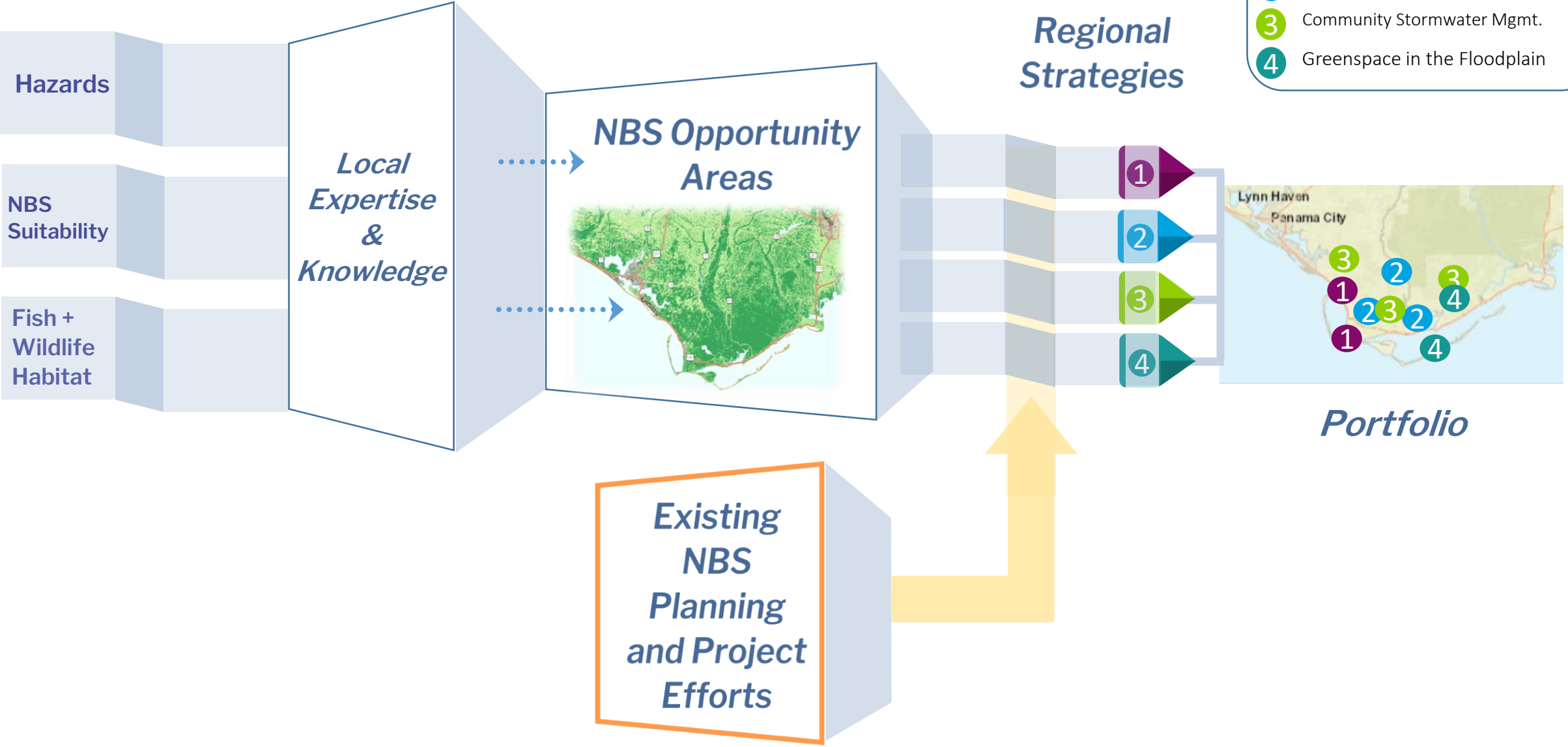
Existing Planning & Project Efforts Spreadsheet & Map

Priority Locations Map

Opportunity Maps (in progress)

- Hazards
- Habitats
- NBS strategies

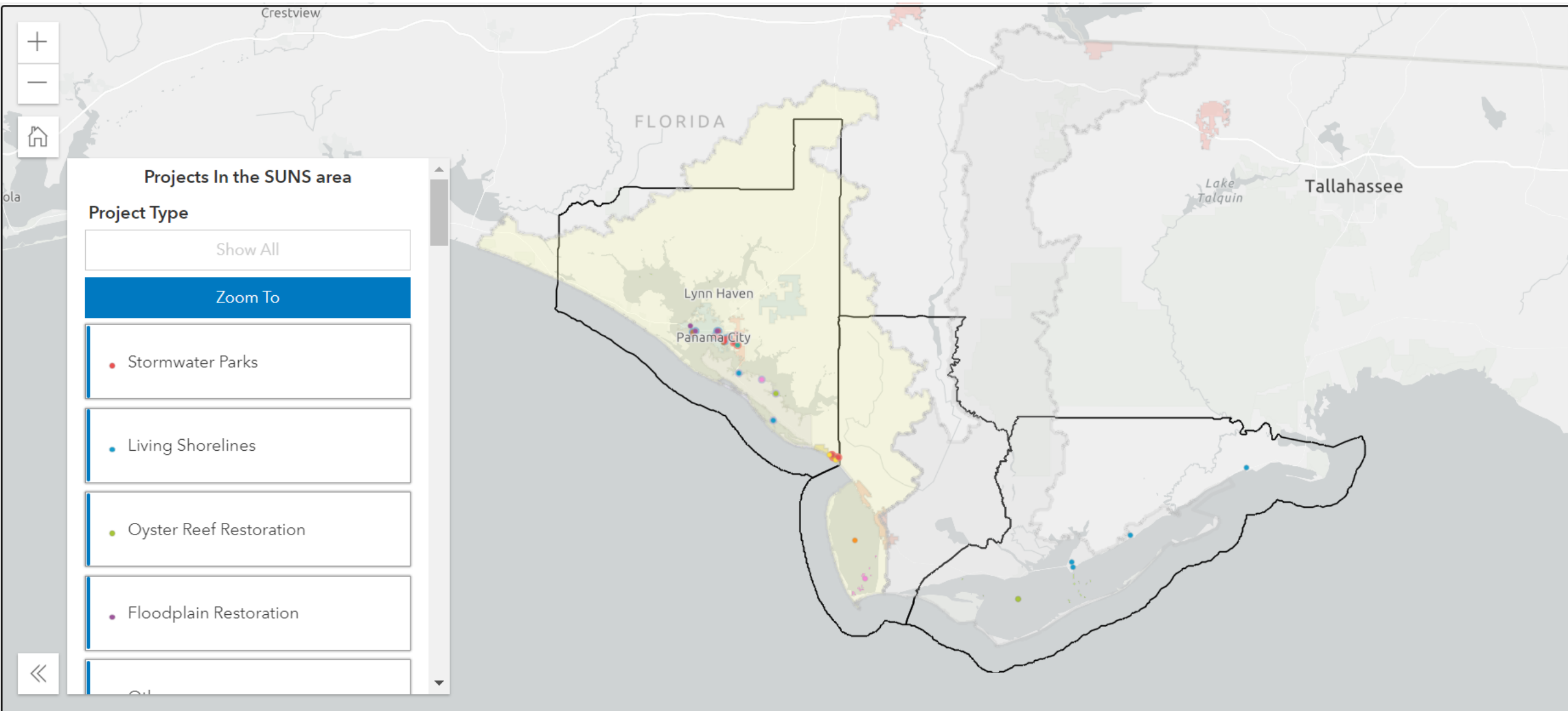
SUNS Portfolio Development Process



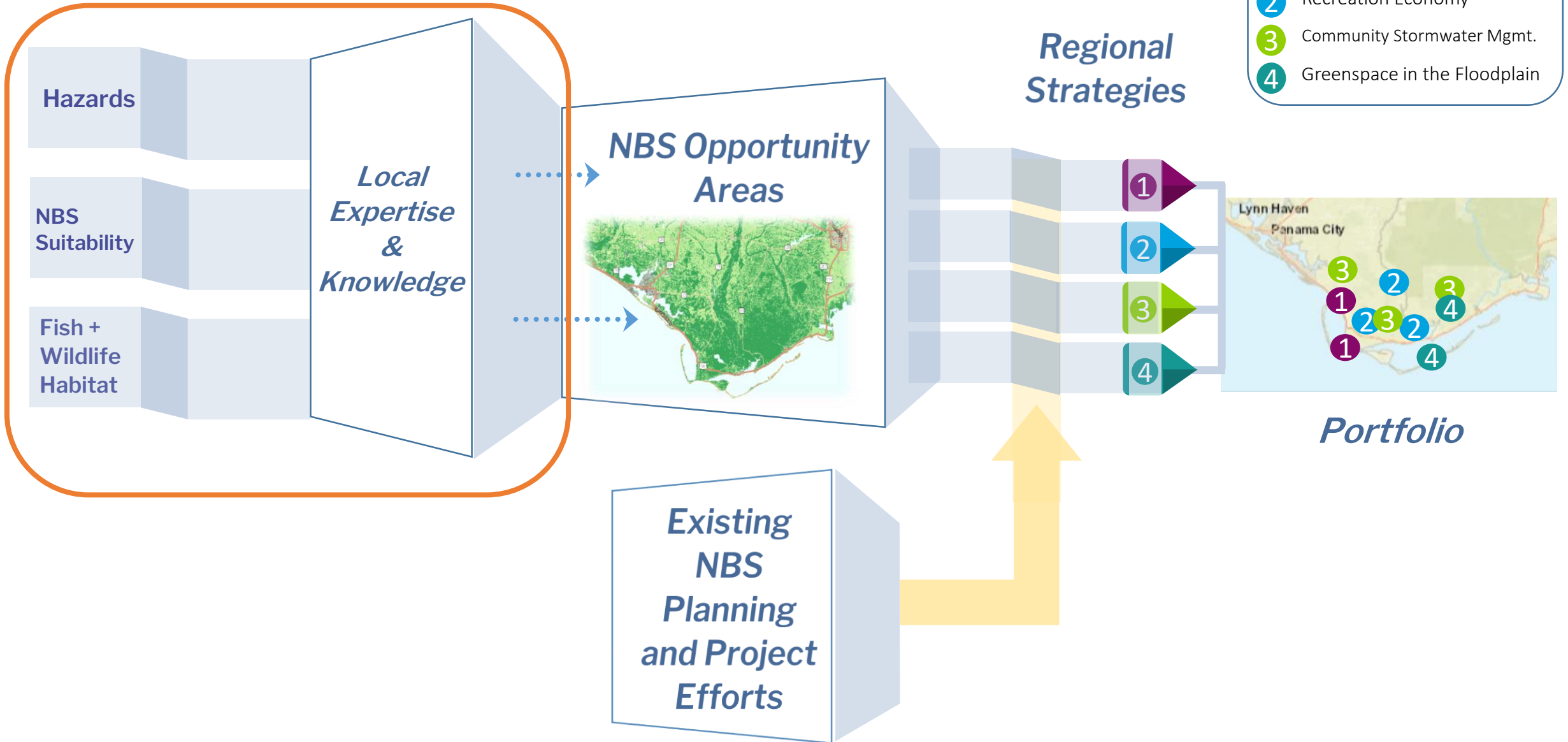
Example Strategies

- 1 Living Shorelines
- 2 Recreation Economy
- 3 Community Stormwater Mgmt.
- 4 Greenspace in the Floodplain

SUNS Project Planning and Studies



SUNS Portfolio Development Process



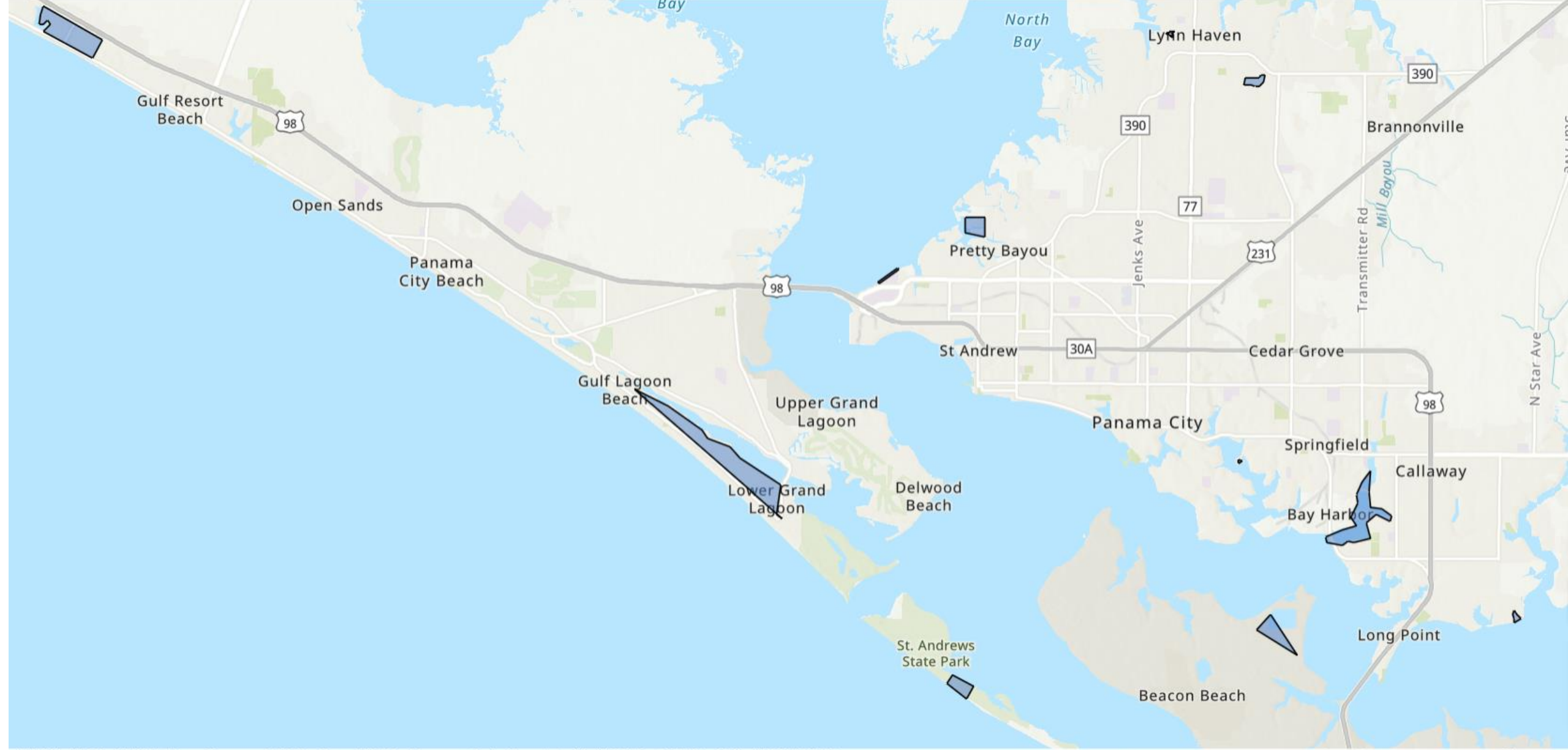
Priority Locations

Priority Locations are sites (parcels, small areas, neighborhoods) that represent local priorities.

Priorities Include:

- Economic development
- Resilience Challenges
- Vulnerable Community
- Etc.

What and where are your priorities?

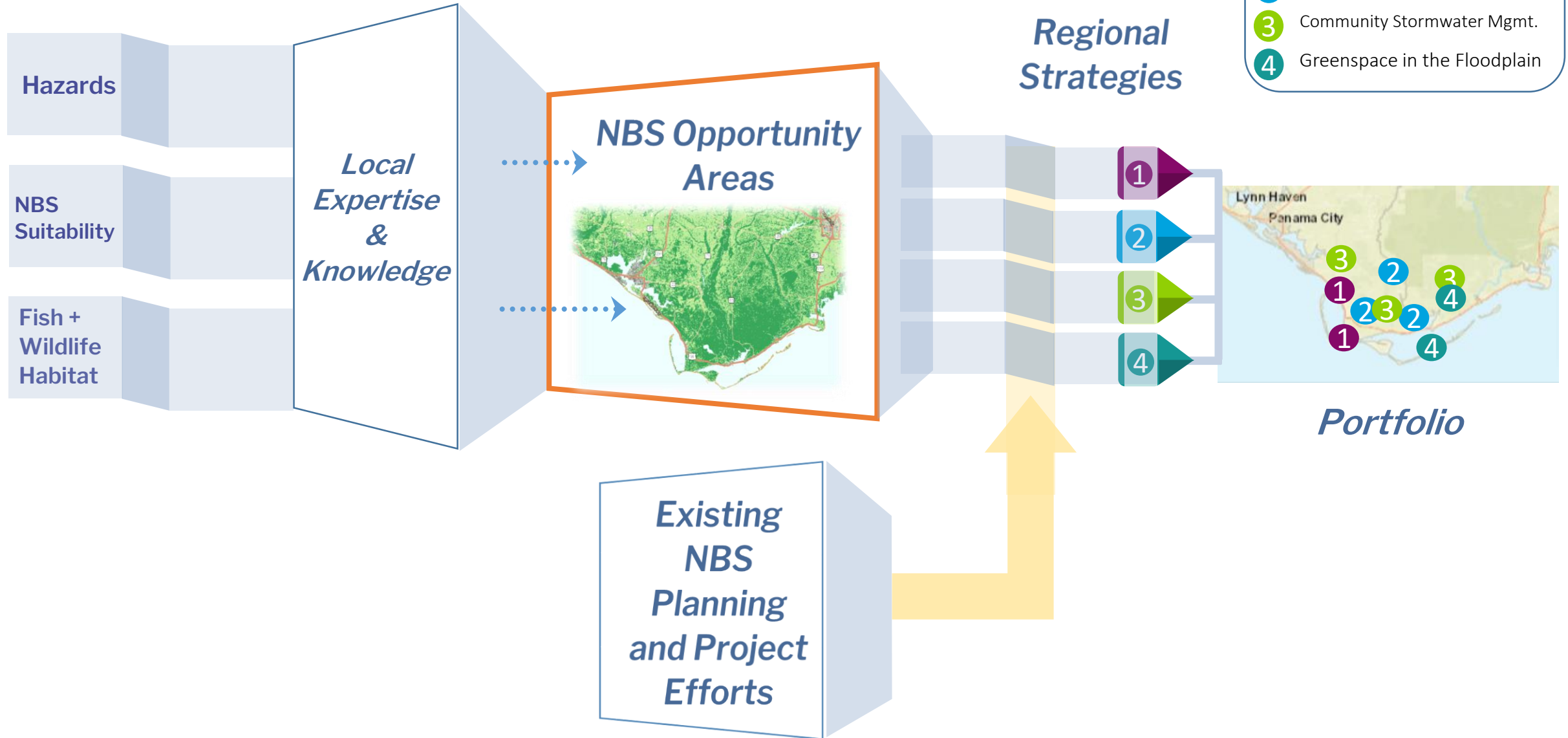


NASA, NGA, USGS | Bay County, FDEP, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA

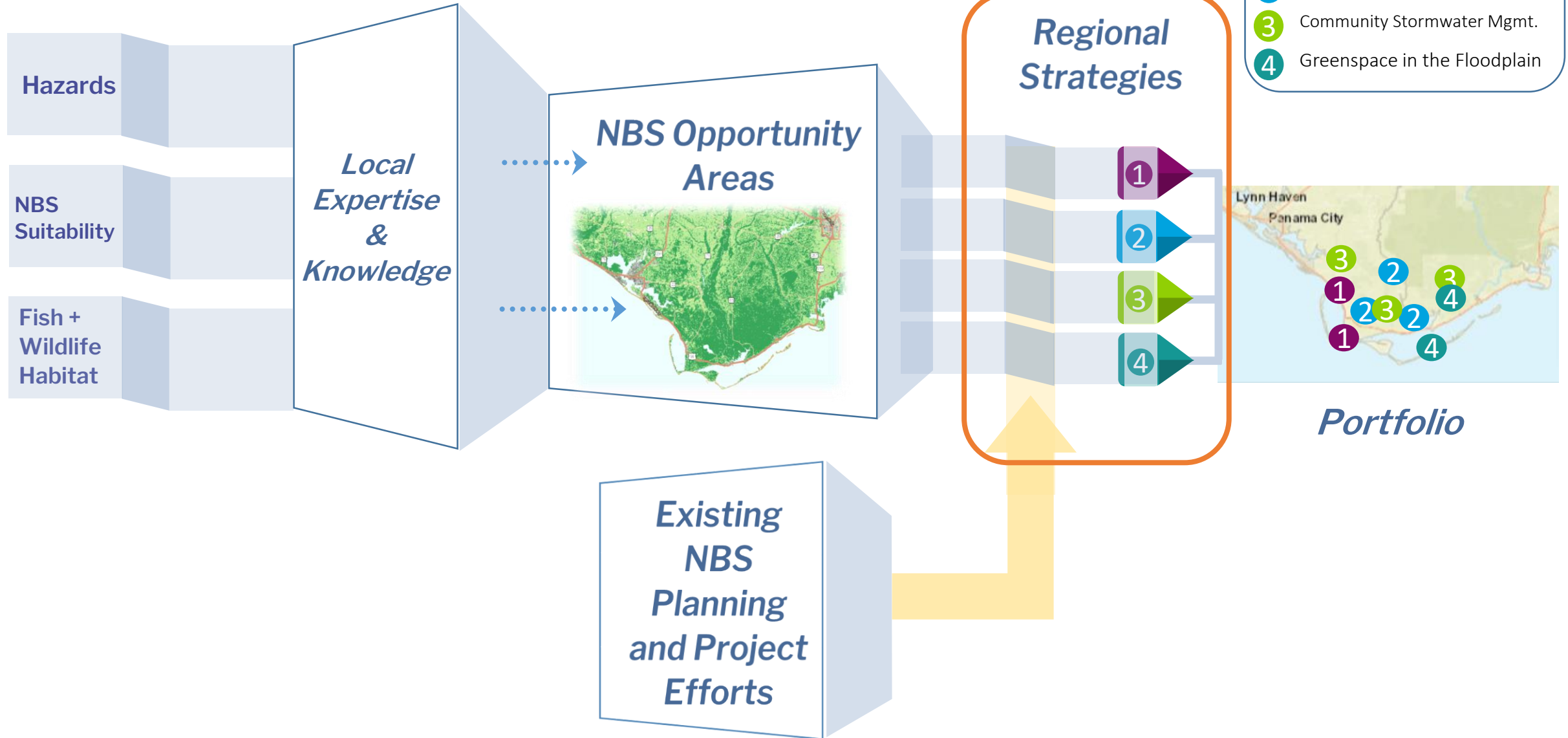
San Blas Powered



SUNS Portfolio Development Process



SUNS Portfolio Development Process

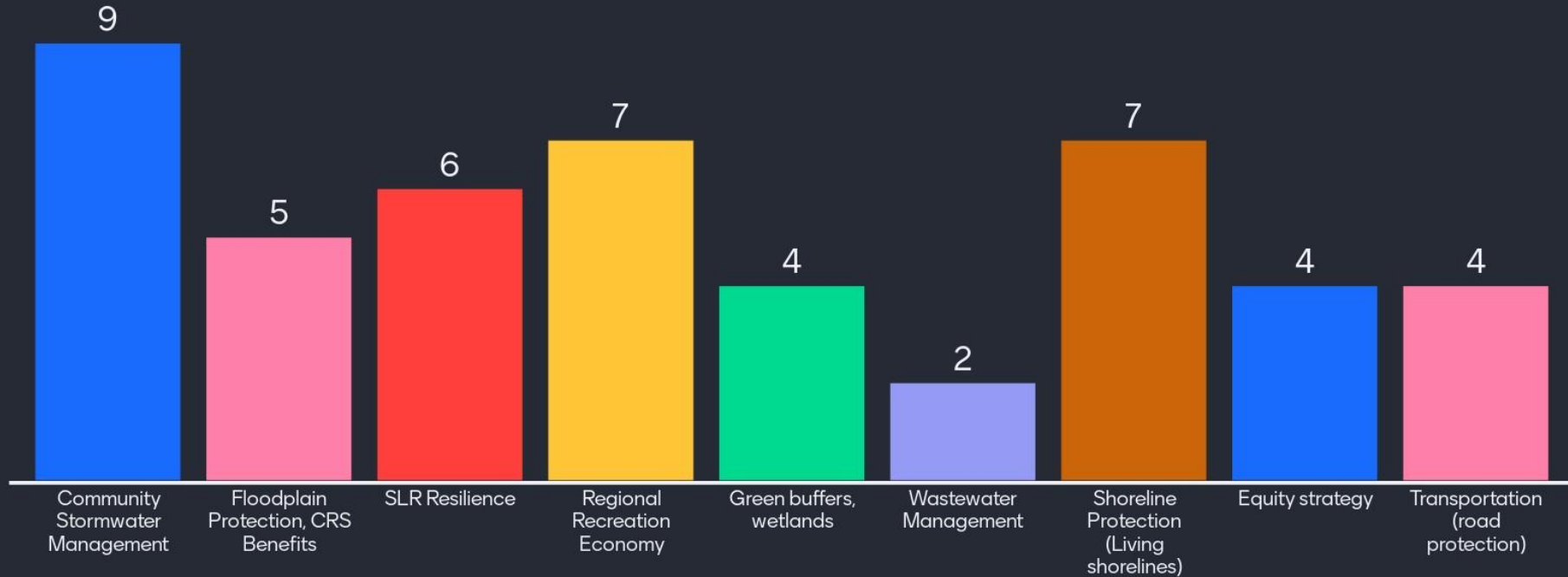


Regional Strategies





What is a regional NBS strategy?

- An approach to project planning that **aligns NBS projects** around a **common objective** or **co-benefits**
- Allows for the **linking of projects** across jurisdictions
- Guides project development during Workshop Sessions

Which NBS Strategy Types would you prioritize for SUNS consideration?



The Plan for Building the Portfolio

Regional Strategy	Description	NBS	Hazard
 <p data-bbox="675 211 937 444">Greenspace in the Floodplain <i>January 13</i></p>	<p data-bbox="970 211 1564 396">Mitigates flooding by maintaining open space for floodwater storage and fish and wildlife habitat in the floodplain</p>	<p data-bbox="1663 211 1989 297">Land Conservation, Coastal Wetlands</p>	<p data-bbox="2053 201 2262 339">Flooding SLR Storm Surge</p>
 <p data-bbox="639 484 937 716">Community Stormwater Management <i>February 10</i></p>	<p data-bbox="970 484 1625 716">Leverages NBS to manage stormwater, mitigate urban flooding, protect coastal and riparian habitat, enhance recreation opportunities and protect property values</p>	<p data-bbox="1663 484 1977 622">Stormwater Parks, Culvert Upgrades, Coastal Wetlands</p>	<p data-bbox="2053 472 2201 558">Flooding SLR</p>
 <p data-bbox="703 786 937 958">Shoreline Protection <i>March 10</i></p>	<p data-bbox="970 751 1615 989">Stabilizes the shoreline, mitigates erosion, provides coastal habitat, and increase recreational and property value with techniques that mimic the natural shoreline</p>	<p data-bbox="1663 751 1977 989">Living Shorelines, Beaches & Dunes, Coastal Wetlands, Oyster Reef Restoration</p>	<p data-bbox="2053 746 2262 883">SLR Storm Surge Erosion</p>
 <p data-bbox="695 1029 937 1262">Regional Recreation Economy <i>April 14</i></p>	<p data-bbox="970 1029 1574 1215">Aligns Nature-based Solutions with recreation opportunities and supports local/regional economic development</p>	<p data-bbox="1663 1029 1989 1168">Land Conservation, Stormwater Parks, Living Shorelines</p>	<p data-bbox="2053 1018 2201 1155">Flooding SLR Erosion</p>



The Plan for Building the Portfolio

Materials and Data

Priority Locations Identified by Working Group members

Existing Plans and Project Footprints

NBS Opportunity Areas Hazards, habitats, and suitability

Individual Meetings with Organizations (Jan)

Review data alongside priority locations and existing plans & projects to kick start project identification

Regional Strategy Workshops (Jan –April)

Collective planning sessions to review opportunity areas for each NBS type, discuss priorities, plot projects

Office Hours (Jan-April)

Following each working group session, opportunities for individual organizational follow-up to refine initial project concepts

Bringing it all Together (April-July)

Greenspace in the Floodplain

Jan. 13, 2022

Project identification for land conservation, coastal wetlands

Shoreline Protection

March 10, 2022

Project identification for Living Shorelines, Beaches & Dunes, Coastal Wetlands, Oyster Reef Restoration

Characterizing Project Benefits

April-May 2022

Preparing Community Dialogues

Community Dialogues

Community input on projects

Portfolio Finalization

July 2022

Review community feedback, finalize selection of portfolio projects

Community Stormwater Management

Feb. 10, 2022

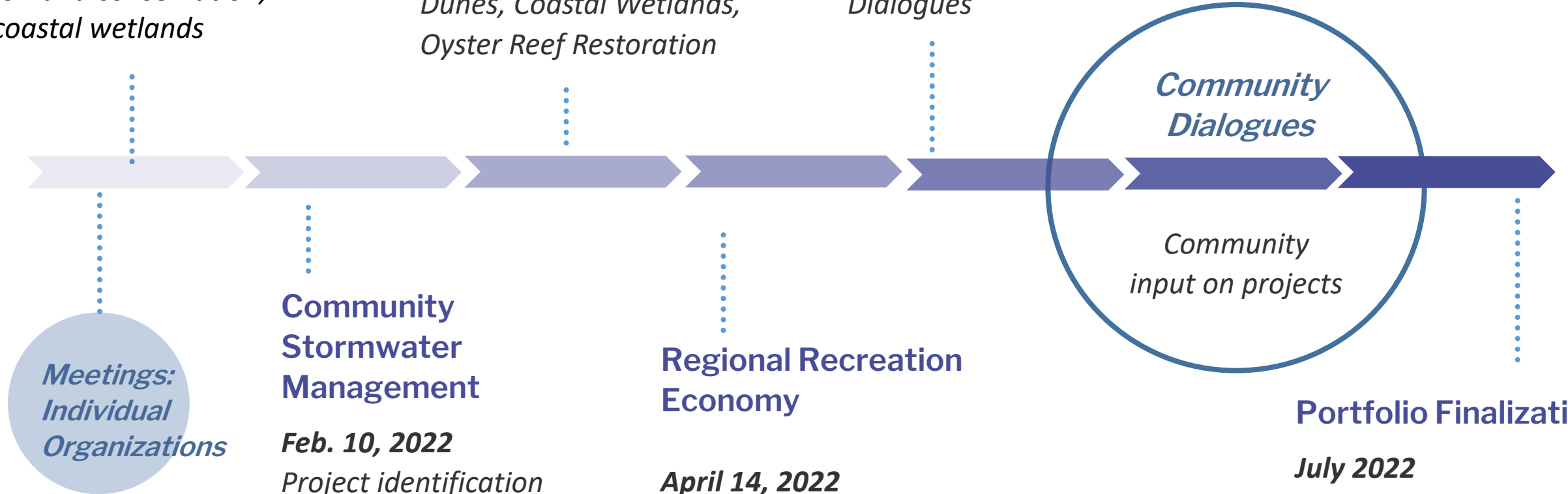
Project identification for Stormwater Parks, Culvert Upgrades, Coastal Wetlands

Regional Recreation Economy

April 14, 2022

Project identification for Land Conservation, Stormwater Parks, Living Shorelines

Meetings: Individual Organizations



An aerial photograph of a coastal wetland. In the foreground, there is a dense area of brownish-green marsh grasses. A winding, shallow water channel or stream flows through the marsh. To the left, a long wooden pier or walkway extends from the land into the water. The water in the background is a deep blue, and the sky is a clear, bright blue. A semi-transparent white banner is overlaid across the middle of the image, containing the text "Accelerator Project Updates".

Accelerator Project Updates

SUNS Capacity Support

1. Accelerator Projects

- SUNS project team provides aspects of 'capacity building' phase sooner (e.g., proposal strategy and development)

2. Pending Funding Proposal

- Expand capacity support (project development, proposal development, feasibility studies)

An aerial photograph of a coastal wetland. In the foreground, there is a dense area of brownish-green marsh grasses. A winding, shallow waterway or canal cuts through the marsh. To the left, a long wooden pier or boardwalk extends from the land into the water. The water is a deep blue, and the sky is a clear, bright blue. The overall scene is a natural, coastal landscape.

Partner Updates

Next Steps

1. Working Group Meetings:
 - Information Session, Dec. 9th 10 am CT
 - Individual Organization Meetings (January 4-12th, virtual and in-person as time allows) – *Anna Jane will reach out to schedule*
 - Greenspace in the Floodplain
Working Group Session 6 (January 13)
Virtual (2 hours)
2. Additions to *Existing Plans & Project Map* or *Priority Locations Map*? Contact Anna Jane
annajane.jones@tnc.org
3. Review the new website for updates!
www.nature.org/SUNS



Happy Holidays!!!