

OUR TEAM



James Sipes





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PHILOSOPHY & APPROACH

Lead JIA through an inclusive and flexible assessment process linking the natural environment and economic opportunities with existing assets to preserve the character of the island, protect natural resources and environmental systems, reduce risk, and increasing resilience and sustainability.



YOUR NEEDS

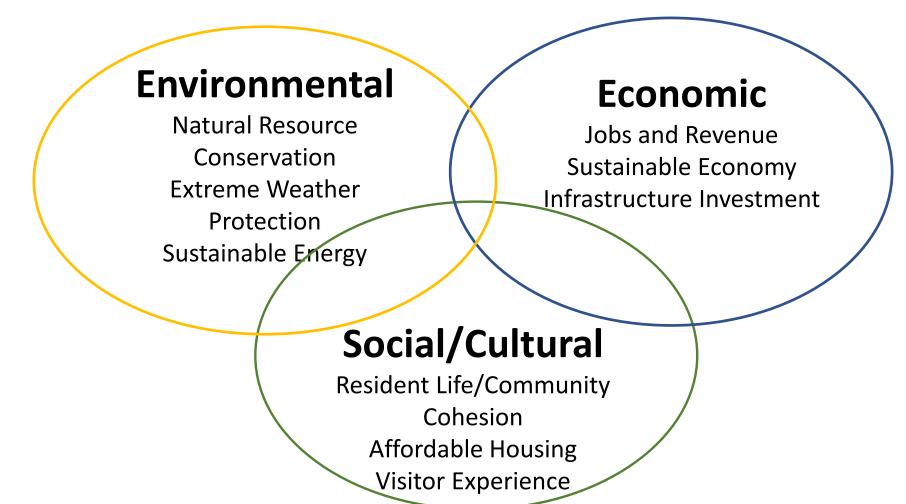
How can we **create and maintain a resilient and environmentally/economically vibrant community** where people want to live and visit?

What resources and infrastructure are essential to supporting this economy while maintaining the quality of life and sensitive ecosystems?

What resources do we have, what do we need and what can the Island support?

GETTING YOUR FUTURE RIGHT

Create and maintain a resilient and economically vibrant community



PROCESS

Strategic planning

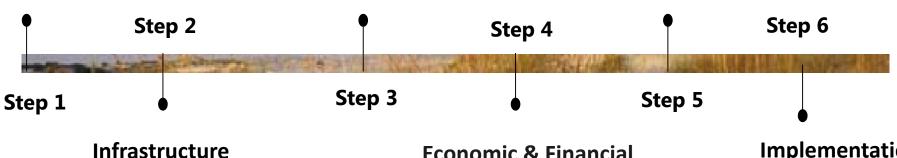
Identify and assess existing resources & overall plan, seek public input

Carrying capacity

Help JIA create and maintain a resilient, ecologically sustainable and economically vibrant community

Metrics, assessments, & recommendations

Ongoing M&E process, guage performance and progress made towards goals



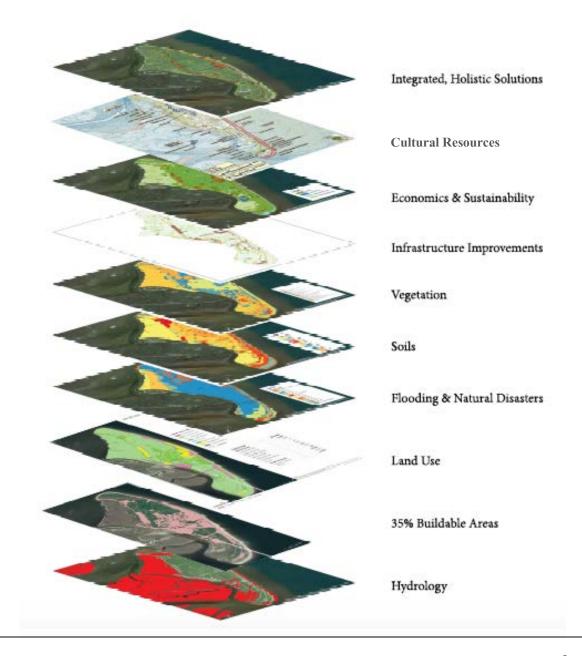
Infrastructure, resource and building level risk assessment

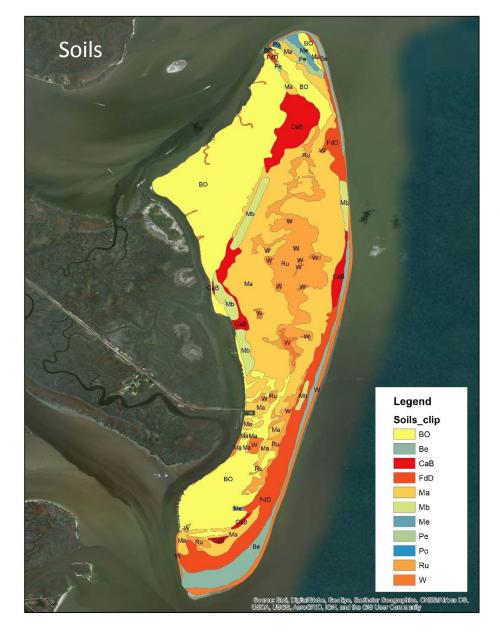
Economic & Financial Sustainability

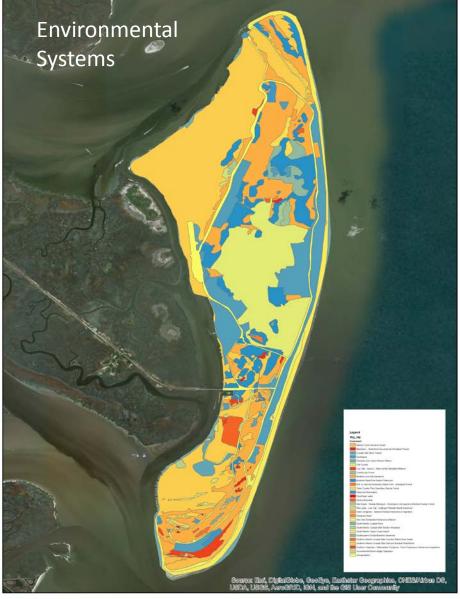
Assess impact, redevelopment alternatives, options for job creation, market cost acceptance and investment strategies

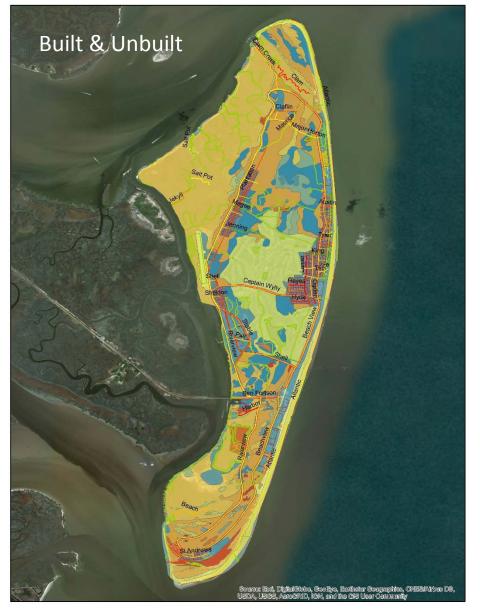
Implementation

PROCESS













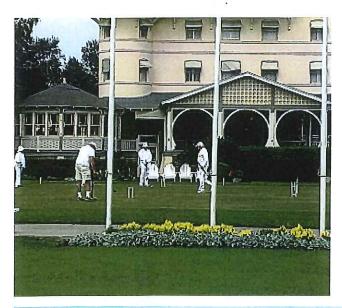




GOALS

The goals of the Jekyll Island Carrying Capacity and Infrastructure project are to:

- Allow the JIA Board to make informed decisions about land use, density, development projects, and amenity enhancements.
- Position the JIA Board to make data-driven decisions regarding capital investment, maintenance, marketing, preservation, and conservation.
- Inform future updates made to the Jekyll Island Master Plan.



Tasks

- Analysis of existing infrastructure essential to supporting the economy and quality-of-life of Jekyll Island as outlined in the Jekyll Island Master Plan;
- Establish the population and visitation arameters that can be supported within the limits of those resources;
- Determine the maximum amount of resident, overnight and daytime populations that can be supported with existing infrastructure without degradation of the island's cultural and natural resources or user experience;
- Understand and consider the seasonality of Jekyll Island visitation regarding service and infrastructure;
- Recommend the additional infrastructure investments and funding strategies for upgrades that may be necessary to support future increases in the cumulative population of residents and visitors;
- Evaluate capacity considerations as related to population (resident and transient), water supply, wastewater handling and treatment, household and commercial solid waste, energy resources, public safety, parking, and traffic;
- Evaluate user fees for residents, businesses, developers, and guests in comparison to other similar entities and make appropriate recommendations;
- Review services performed by the JIA and those conducted by private sector contractors and make any appropriate recommendations;
- Onsider and recommend strategies to manage and adapt to projected impacts on infrastructure, amenities, and development posed by rising sea levels;
- Recommend strategies to manage future visitation and population growth to a level that the island's resources and infrastructure can accommodate; and
- Recommend opportunities to increase renewable energy generation for island, commercial, and residential structures.





Carrying Capacity and Infrastructure Assessment

Sheet 1: Goals & Tasks

April, 2018
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Future Generations

The increasing popularity of Jekyll Island presents both an opportunity and a challenge. How do we ensure the enjoyment of visitors while still maintaining the natural environment and user experience? How do we keep from "loving Jekyll Island to death?"





"Carrying capacity" is the number of individuals who can be supported within a given area without degrading the natural, social, cultural, and economic environment for present and future generations. A carrying capacity seeks to balance human needs and environmental systems.



The greater the number of people who visit Jekyll Island, the greater the potential impact on environmental resources of the area, and on the overall visitor experience. The quality of the visitor experience is dependent upon the quality of the island's tidal marshes, maritime forest, loggerhead turtles, natural

wildlife communities, dune systems, and natural beauty.













Carrying Capacity and Infrastructure Assessment

Sheet 2: Island Character

April, 2018

April, 2018

April, 2018

April, 2018

