Two Years of Hurricanes: Dauphin Island's Resilience & Future Sustainability

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Five E's Unlimited

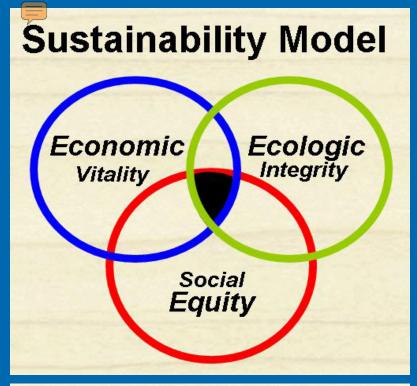
Seattle, WA 98108

http://www.eeeee.net

Project Funding:

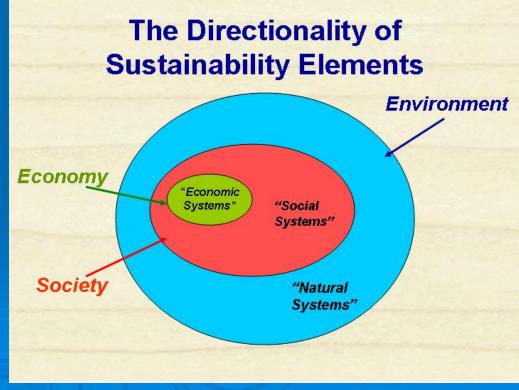
- ■The National Sea Grant College Program of NOAA Grant # NA06OAR4170078
- ■The Mississippi-Alabama Sea Grant Consortium
- ■Mobile Bay National Estuary Program
- ■The Alabama Department of Conservation & Natural Resources-State Lands Div.
- ■The Town of Dauphin Island
- **■Five E's Unlimited**







Conceptualizing Sustainability





What is Sustainability?

A Community will move towards sustainability when it understands the connected economic, social, and environmental consequences of its actions and makes deliberate, informed choices that allow all people to lead healthy, productive, and enjoyable lives in the community, now and in the future, without experiencing unintended consequences.

Living <u>sustainably</u> is maintaining the important mix of options and opportunities while creating no new and onerous constraints.

Living <u>unsustainably</u> is losing them, narrowing the range of options that subsequent generations and people elsewhere can choose among in their attempt to adapt, survive, and prosper.



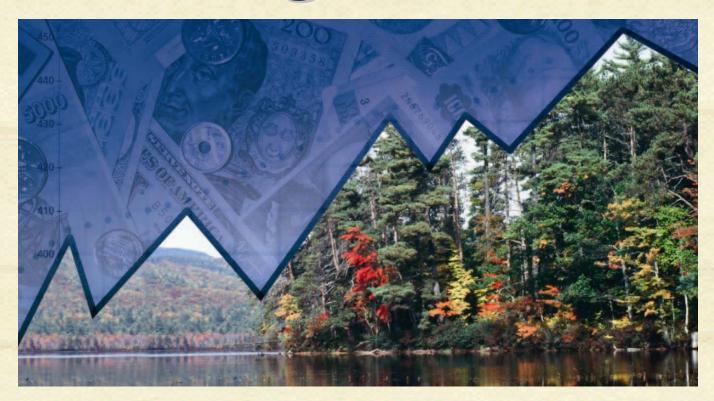


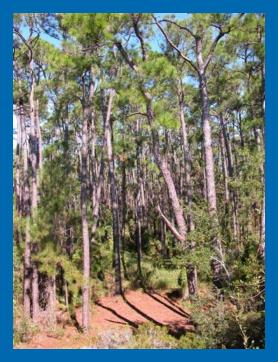




Capital

Resources invested to create new resources over a long time horizon





Natural Capital



Provides possibilities and limits to human actions: influences and is influenced by human actions.

Cultural Capital

Determines how we see the world, what we take for granted, what we value, and what things we think possible to change.





Human Capital



Characteristics and potential of individuals that are determined by the intersection of nature (genetics) and nurture (social interactions and the environment).







Social Capital

Interactions among individuals that occur with a degree of frequency and comfort.







Political Capital

The ability of a group to influence standards, regulations, and enforcement of those regulations that determine the distribution of resources and the ways they are used: increased voice and influence of people.

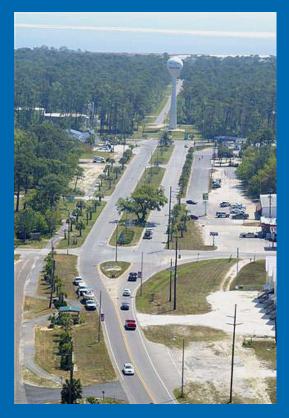






Financial Capital

Financial capital is often dominant because it is easy to measure, and there is a tendency to put other capitals into financial capital terms: can result in an appropriately diverse and healthy economy if distributed fairly.

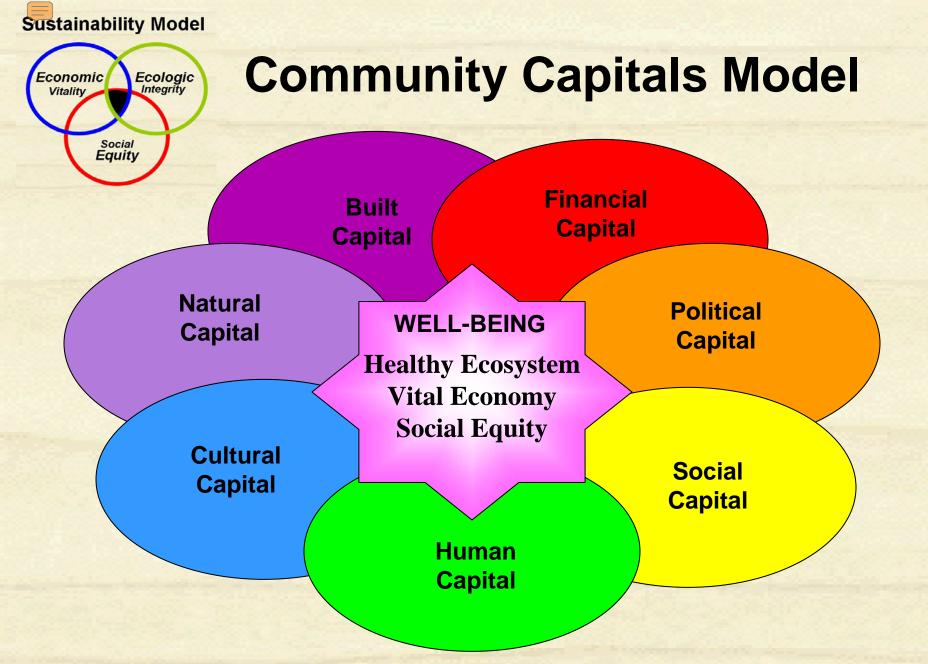


Built Capital

Human-constructed infrastructure used as tools for production of other capitals.



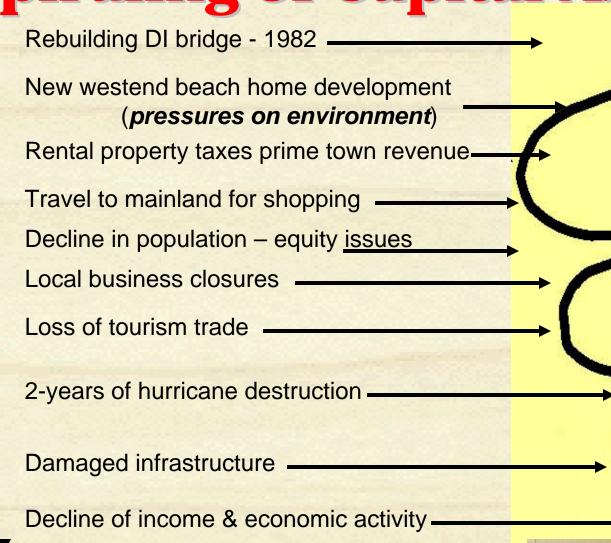




Source: Cornelia Butler Flora, North Central Regional Center for Rural Development, 2004



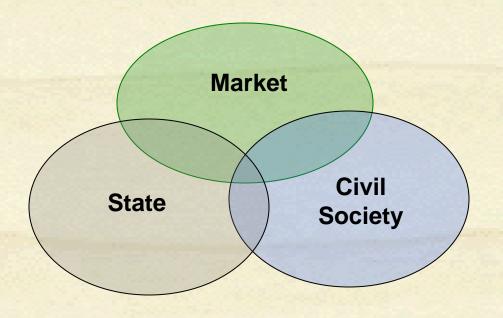
Spiraling of Capital Assets

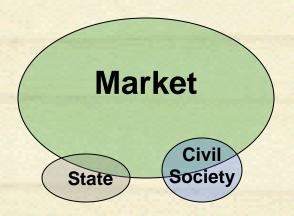


Community pride & hope challenged -

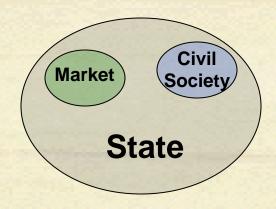


Sustainability requires all three sectors to be engaged





Sometimes everything is geared around one aspect at the expense of the others





Sources Of Capital Investments & Community Outcomes

Impacts of different sources of capital investments on community outcomes

Clientelism

Community decisions based on what outsiders from market, state, or civil society offer, building power of local elites and service providers.

EXTERNAL

Progressive ParticipationCommunity decides priorities
based on the common good.

INTERNAL

Extreme individualism

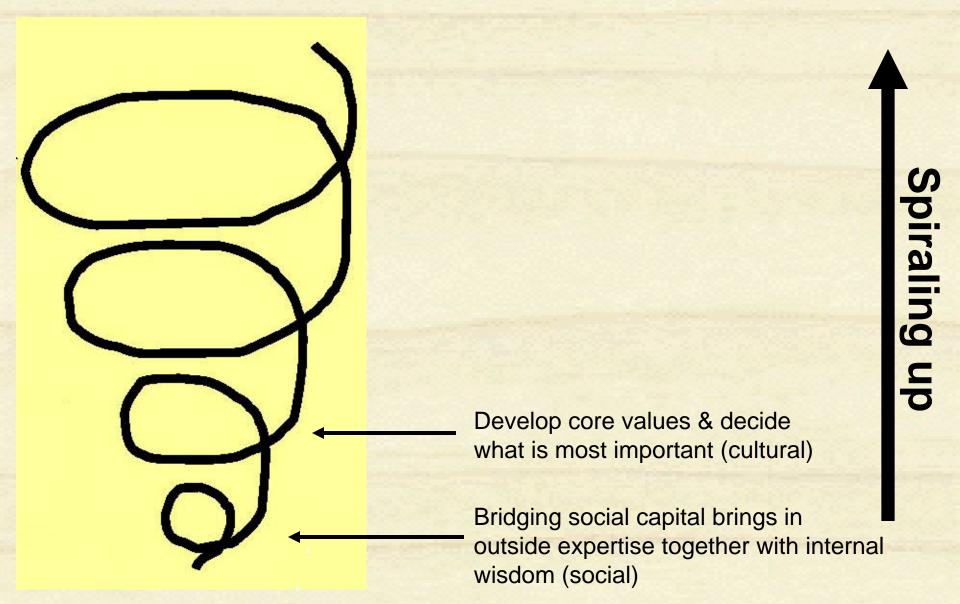
Wealthy invest for themselves; poor excluded from access to community capitals.

Strong Boundaries

Particularistic internal investment. When your kin are in office, you get the potholes fixed. No outside communication or trust.



Spiraling of Capital Assets



New Directions in Community Based Resource Decision-Making

- Identify the Stakeholders, Constituencies & Special Interests
- Draw-out People's Attitudes, Perceptions and Values
- Engage Stakeholders in a Facilitated, Consensus-building Process
- Evaluate Common Goals and Commonly-developed Alternatives
- **Promote Effective Advocacy**



PARTNERING FOR SUCCESS Building community capacity through vision and leadership

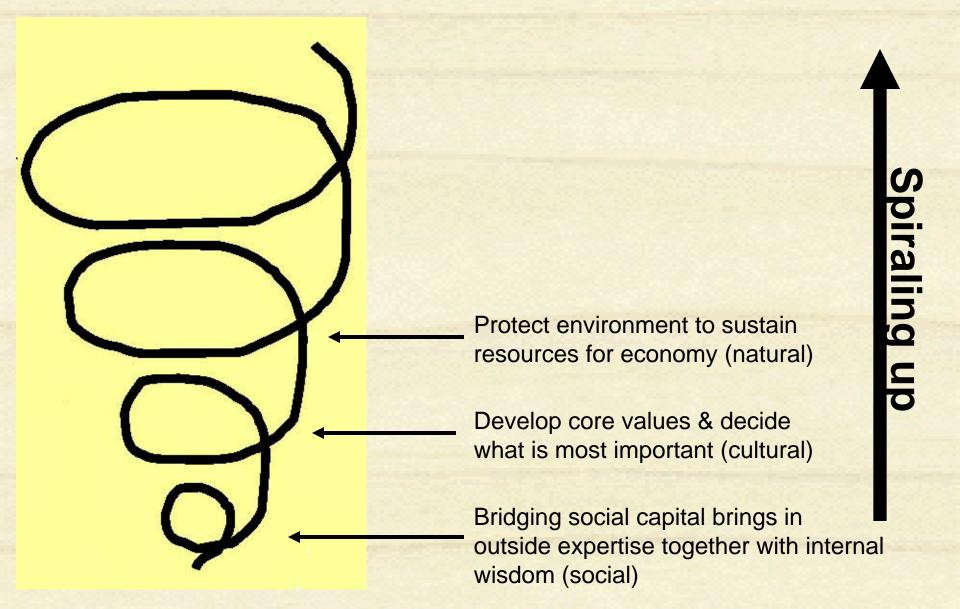
Citizens are provided with the information and opportunities necessary to participate meaningfully in decision-making, and all affected people are encouraged to participate in policy formulation and implementation. (Citizen Engagement and Responsibility)

Decision-making considers the full environmental, economic, and social costs (full cost accounting) to ensure that all projects contribute to the sustainability vision for the community. (Economic Security)

Visioning Goals

- Central Downtown Village Environment
- Effective Governance
- New Sources of Revenue
- Sustainable Beaches & Dunes
- Eco-Tourism
- Healthy Ecosystems
- Sustainable Small Town Community

Spiraling of Capital Assets



Dauphin Island: East end wetlands and built properties East End **Airport** Audubon Wetlands Ten acres = Landmark features Built parcels 1 Miles Unbuilt parcels

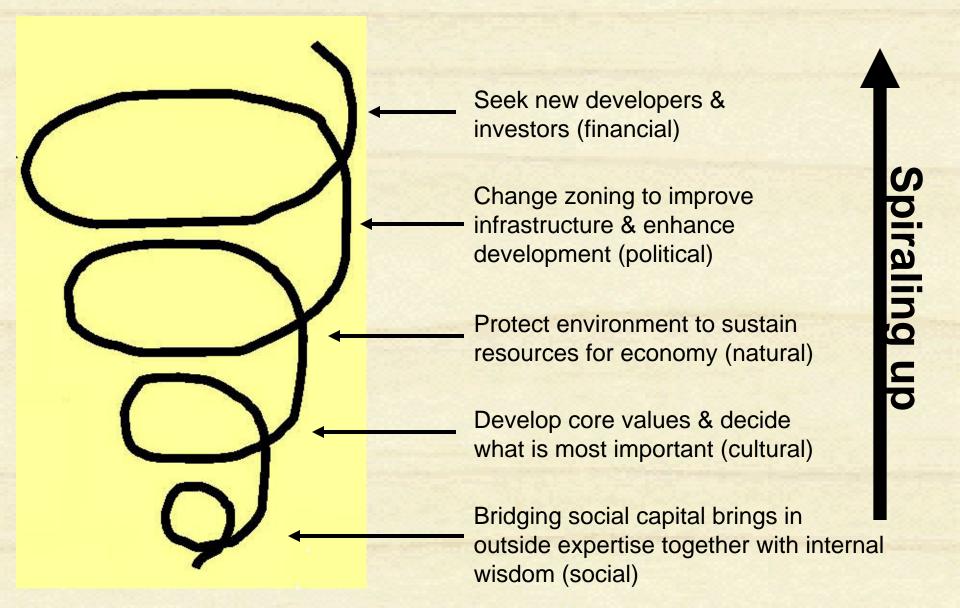
PROTECTING OUR FUTURE

Sustaining our natural environment

The community finds ways to capitalize on the region's ecological infrastructure, complementing conventional approaches to such issues as flood control, stormwater management, drinking water supply, wastewater treatment, and public park & recreational design with approaches that emphasize the services provided by healthy natural ecosystems.

(Making Connections and Tradeoffs)

Spiraling of Capital Assets





Conceptual Flow of Dollars (\$) Through the Dauphin Island Economy



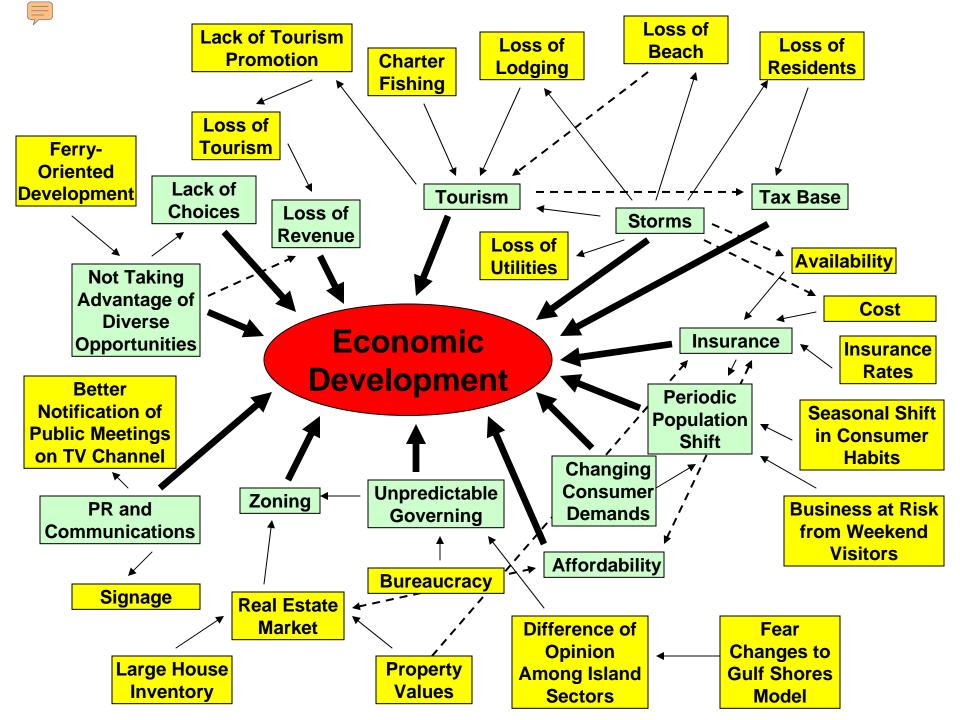
ENRICHING THE COMMUNITY EXPERIENCE

Strengthening the community

Economic activity is diversified, the degree of local ownership increases, and it has the capacity to change with a changing market place by expanding to new markets and/or adding value to existing assets.

(Economic Security)





BUILDING A STRONG AND VIBRANT COMMUNITY

Enhancing quality of life

Policies exist to promote fair and affordable access to housing and cooperatively developed programs are in place to promote the affordability of goods and services to residents and employees and to keep money circulating in the community.

(Social Equity)

Dauphin Island's Next Decade



Partnering in the Community's Success



- Creating a Shared Vision
- Achieving the Vision
- Community Responsibility

Protecting Our Future



- Natural Environment
- Physical Infrastructure

Building a Vibrant Community



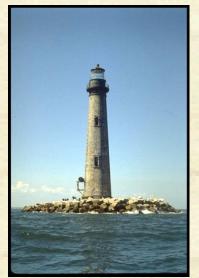
- Sense of Community
- Culture
- Workforce
- Affordability
- Health Services & Education

Enriching the Community Experience



- Economic Systems
- Land Use & Urban Design
- Access & Mobility







"Warren Things are going well on Dauphin Island. We purchased property at the west end of Bienville Blvd and will be opening a new public beach there on June 20. The same day we will open our new 'green park' which will be a pedestrian park with picnic tables and a gazebo for people to bird watch, have lunch, or read a book. The century year old oaks now can be readily seen and enjoyed by all. We are also poised to purchase two abutting properties on Aloe Bay. This is all part of our 'downtown business district & working waterfront' effort. At the same time we are nearly finished with our new building at Billy Goat Hole. All we have to do now is keep the hurricanes away and the Island should regroup in a short while. We have several new businesses that have opened in the past 3-4 months including two restaurants, a kayak rental and a florist/gift shop. See what Five E's and you did !!!!!!

All my best Jeff Collier, Mayor, Dauphin Island, AL