

Presentation given at the Marine Katoomba meeting

Katoomba XVI:
**Building a Blueprint to Harness New Investment for the Protection
of Marine and Coastal Ecosystem Services**

February 9-10, 2010
Moore Foundation, Palo Alto, CA

Hosted by the Katoomba Group



This workshop was generously supported by the American people through the United States Agency for International Development (USAID), under the terms of the TransLinks Cooperative Agreement No.EPP-A-00-06-00014-00 to the Wildlife Conservation Society (WCS). TransLinks is a partnership of WCS, The Earth Institute, Enterprise Works/VITA, Forest Trends and the Land Tenure Center. The contents are the responsibility of the authors and do not necessarily reflect the views of USAID or the United States Government.

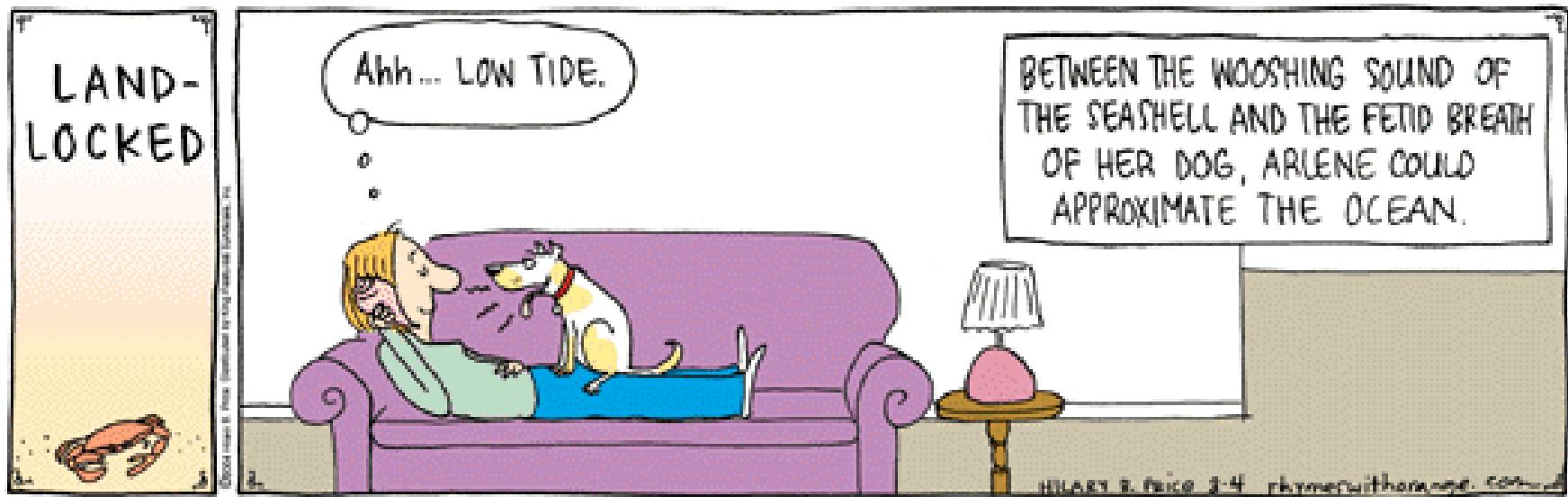
Communities, Markets, and the Marine Commons

Bonnie J. McCay

Rutgers University

Presented to Katoomba XVI, Palo Alto,
California, February 10, 2010

I too am often landlocked... but forever intrigued



From Rhymes With Orange.com

themes

- Peopled ecosystems
- The littoral as liminal
- Community and the commons
- Market failure/ community failure
- Ecosystem services , commodities, and risks
- Market-incentives for communities

“Peopled Ecosystems”

- *“Today, humans are a major component in most ecosystems.”*
- NOAA Ecosystem Principles Advisory Panel 1999: p. 13.
- Jason Taylor underwater sculpture
- Shackeroff et al.



© Jason Taylor 2007

Roles of people

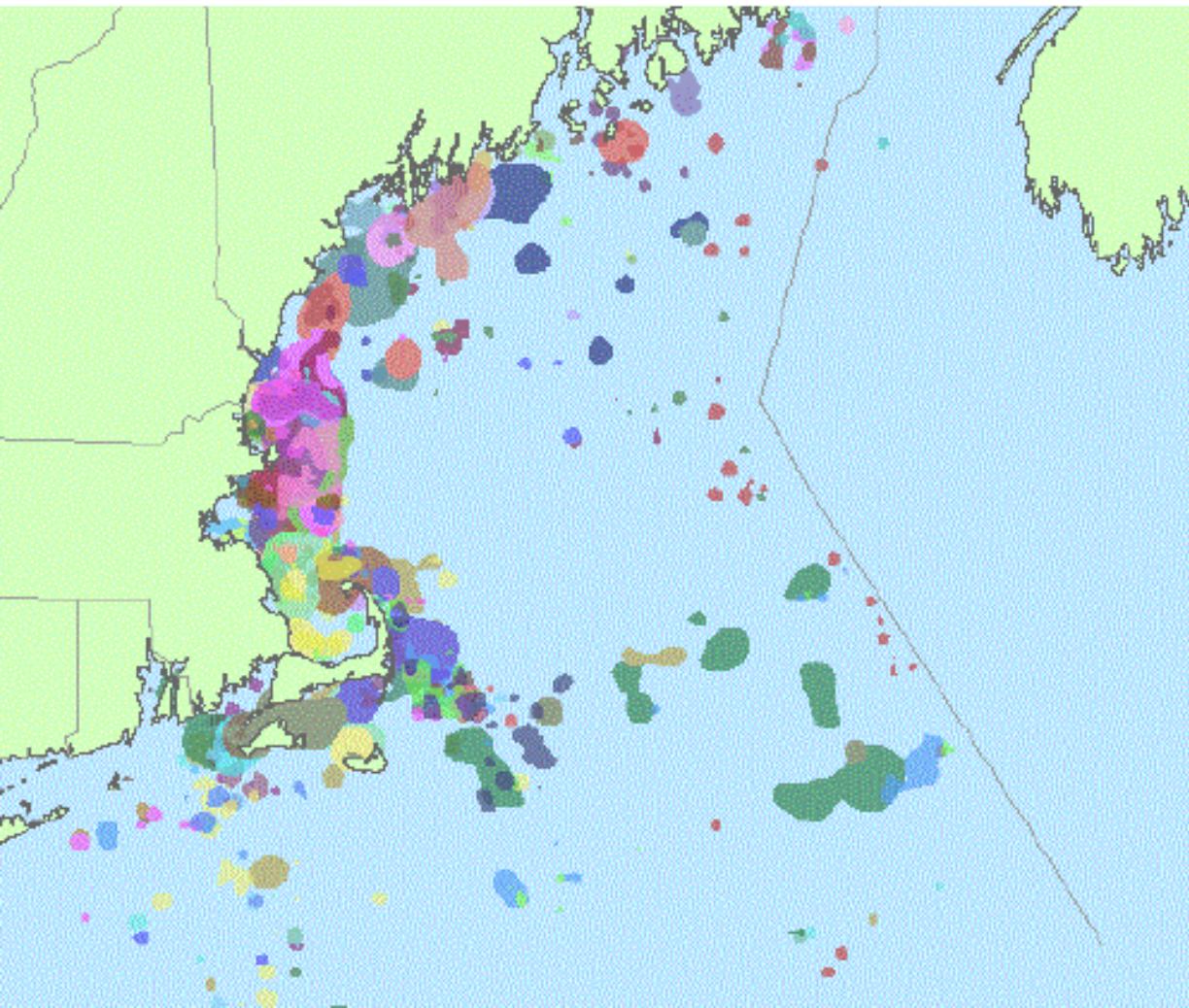


- Sources of stress & disturbance to non-human components of the system (“anthropogenic forces”)
- Passive victims of disruption & reduction of ecosystem services &/or regulatory interventions (“social impacts”)
- Active witnesses and participants, sensing & responding to signals of system change, providing feedback (negative or positive).

s At Sea

Fishery Management: ITQs

What is Communities at Sea Mapper?



Community at
Sea

Kevin St. Martin,
Rutgers University

Littoral --

- of or on the shore—especially a seashore, brushed by the tides



La Jolla, California



Liminal

- Latin *limin-*, *limen* threshold
- of or relating to a sensory threshold;
- of, relating to, or being an intermediate state, phase, or condition : in-between, transitional



Liminality & coastal boundaries



- *complex,
contextually
contingent, and
changing*
- Hatteras Island, Cape Point, North Carolina
- Barrier Islands---Migrating landward with sea level rise, seaward with sea level decline



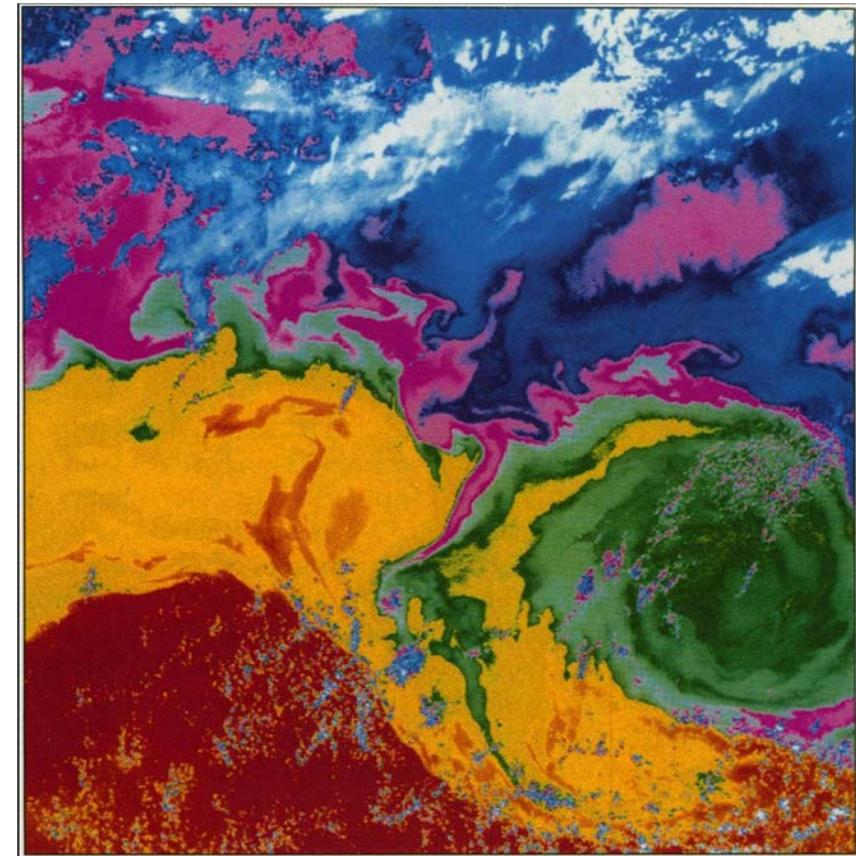
High Tide March 8 1962, Long Beach Island, New Jersey





Shifting paradigms

- “balance of nature” to “flux of nature”
- Non-equilibrium; dynamic;
- Open systems
- Disturbance, gaps, human activities are normal
- Risk & uncertainty
- Valuing biodiversity and charismatic megafauna



“Atlantic Jacuzzi ” off Cape Cod



As far as the eye can see...



La Paz, Baja California Sur, Mexico



Captain James Cook



Help & Support

http://cgi.verizon.net/bookmarks/bmredir.asp?region=all&bw=dsl&cd=6.1&bm=ho_help

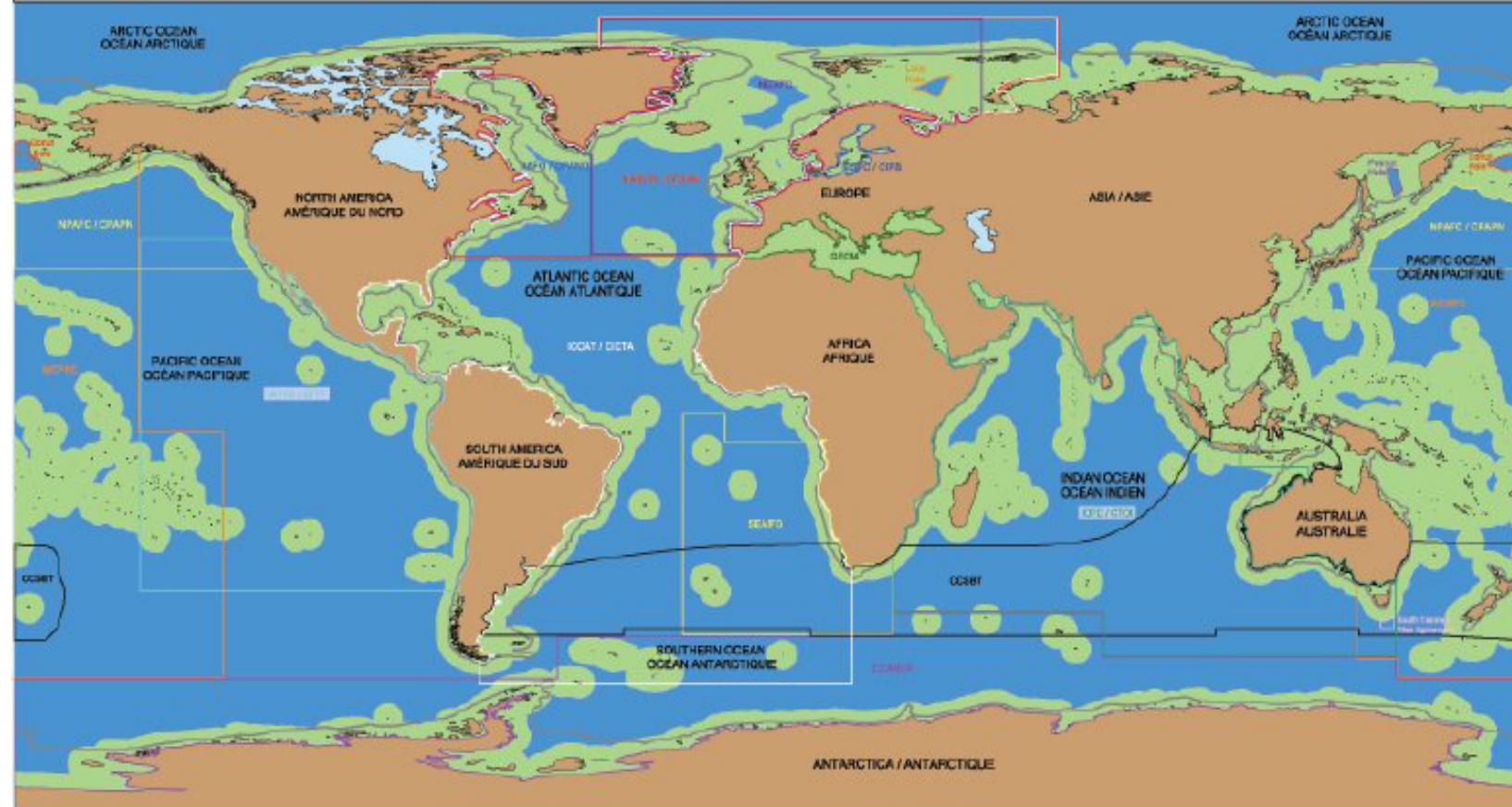


Pages

Government of Canada Gouvernement du Canada

Canada

The 200-Mile Limit / La limite de 200 milles

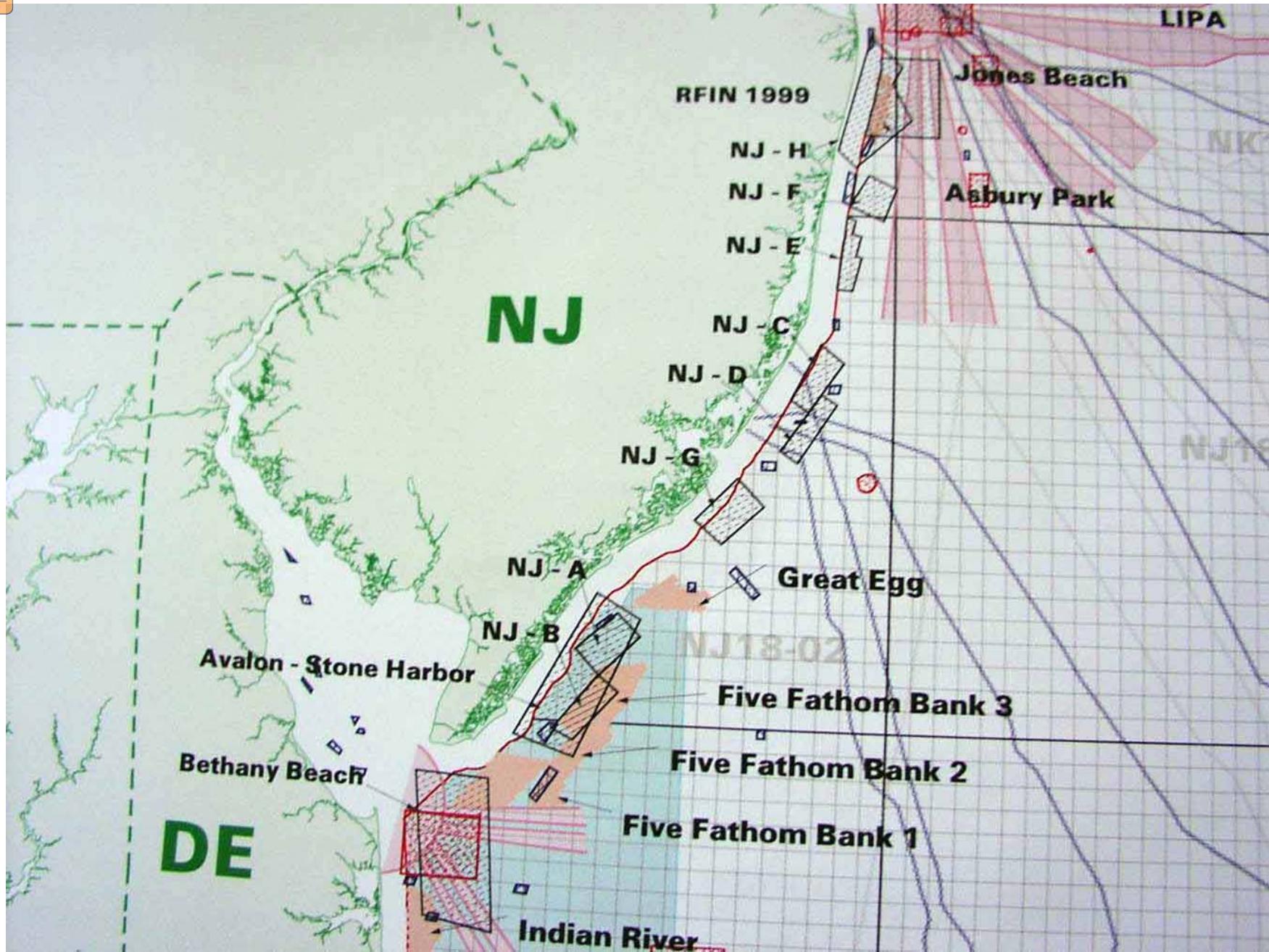


Legend / Légende

Land / Terre National Waters / Eaux nationales High Seas / Haute mer 200-Nautical-Mile Limit / Limite de 200 milles marins Continental Shelf / Plateau continental

Annotates and boundaries lines relate to national fisheries management organizations.

Lies approximées et frontières liées aux organisations administratives sur les pêches nationales.

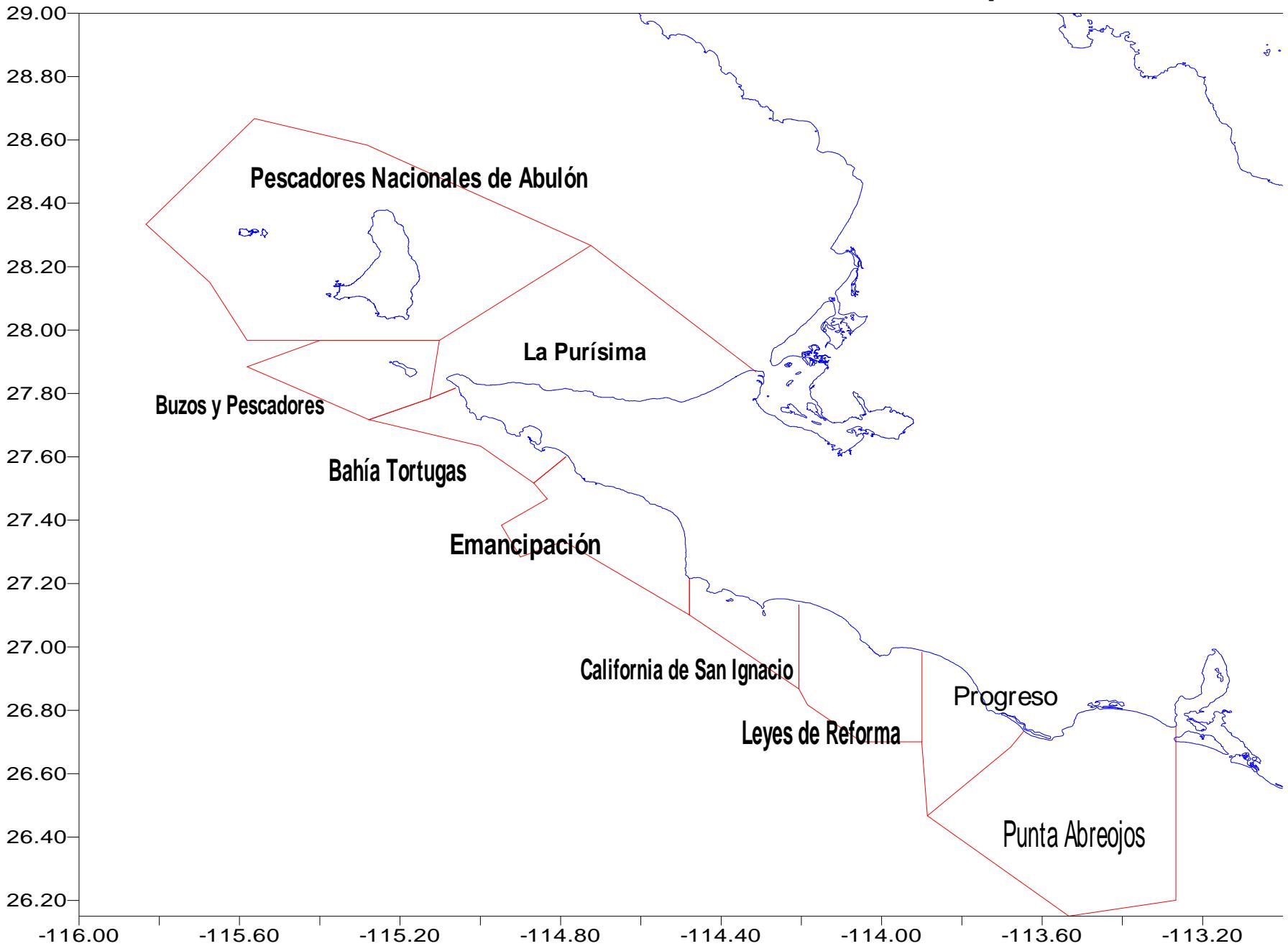


Categories in question

- Traditional
- Industrial
- Commercial
- Public property
- Open access
- Community
- Global
- State
- Modern
- Artisanal
- Subsistence
- Private property
- Common property
- Market
- Local
- Citizen



Zona Pacífico Norte, Áreas Concesionadas a cada Cooperativa





Caracols and Red Spiny Lobster

(B. Asuncion 3/05 Shester)



Pesc. Nac. De Abulón, 3/20/06



Adrian, Antonio, Arnulfo



Leaving Something in the Bank..

Una Familia de Bahia
Asunción

Photo: W. Weisman 10/05



First Day of Spring Parade, Bahía Asunción



Expanded notion of “community”

- On land and at sea
- Of the “self-regulated” (or resistant) people
- Of the “managed” people
- Of the managed people and representatives of authority (“co-management”)
- Of those engaged in specific issues—fishers, scientists, regulators, environmentalists, others (“epistemic”)
- ...with attention to new and “invisible” or underrepresented communities



, ”

- Of the managed people and representatives of authority (“co-management”)
- Of those engaged in specific issues—fishers, scientists, regulators, environmentalists, others (“epistemic”)

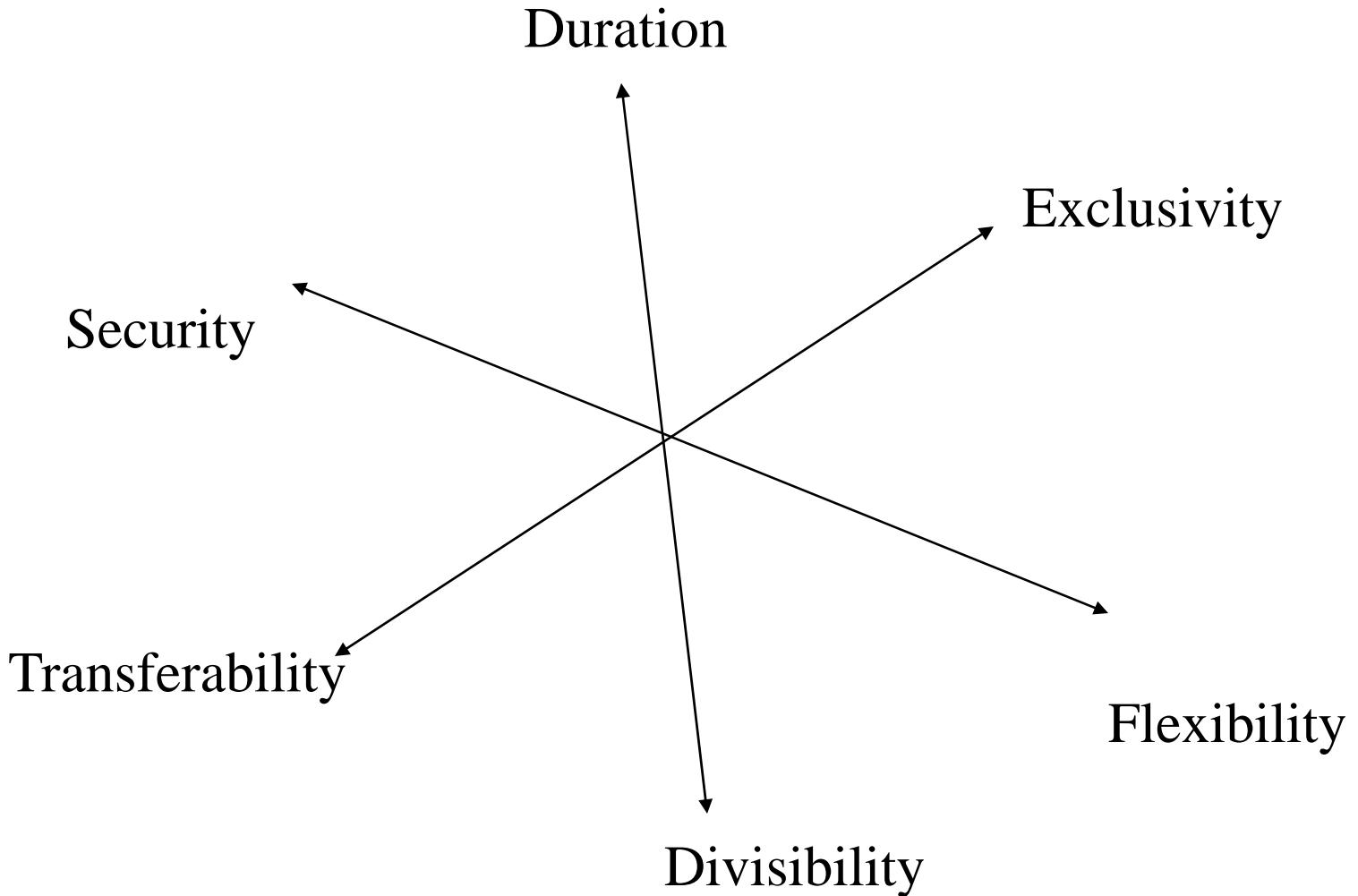
New & invisible communities

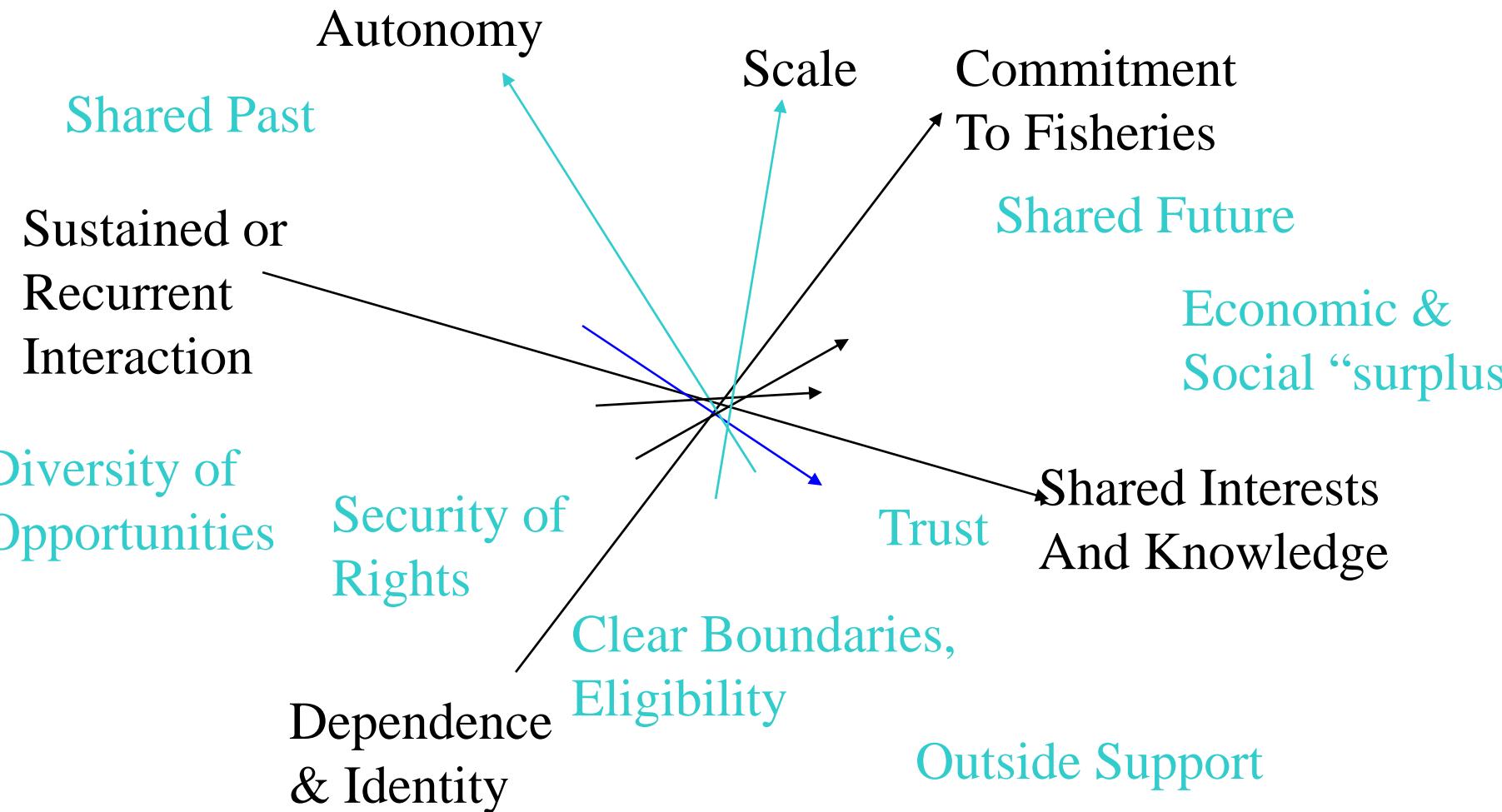


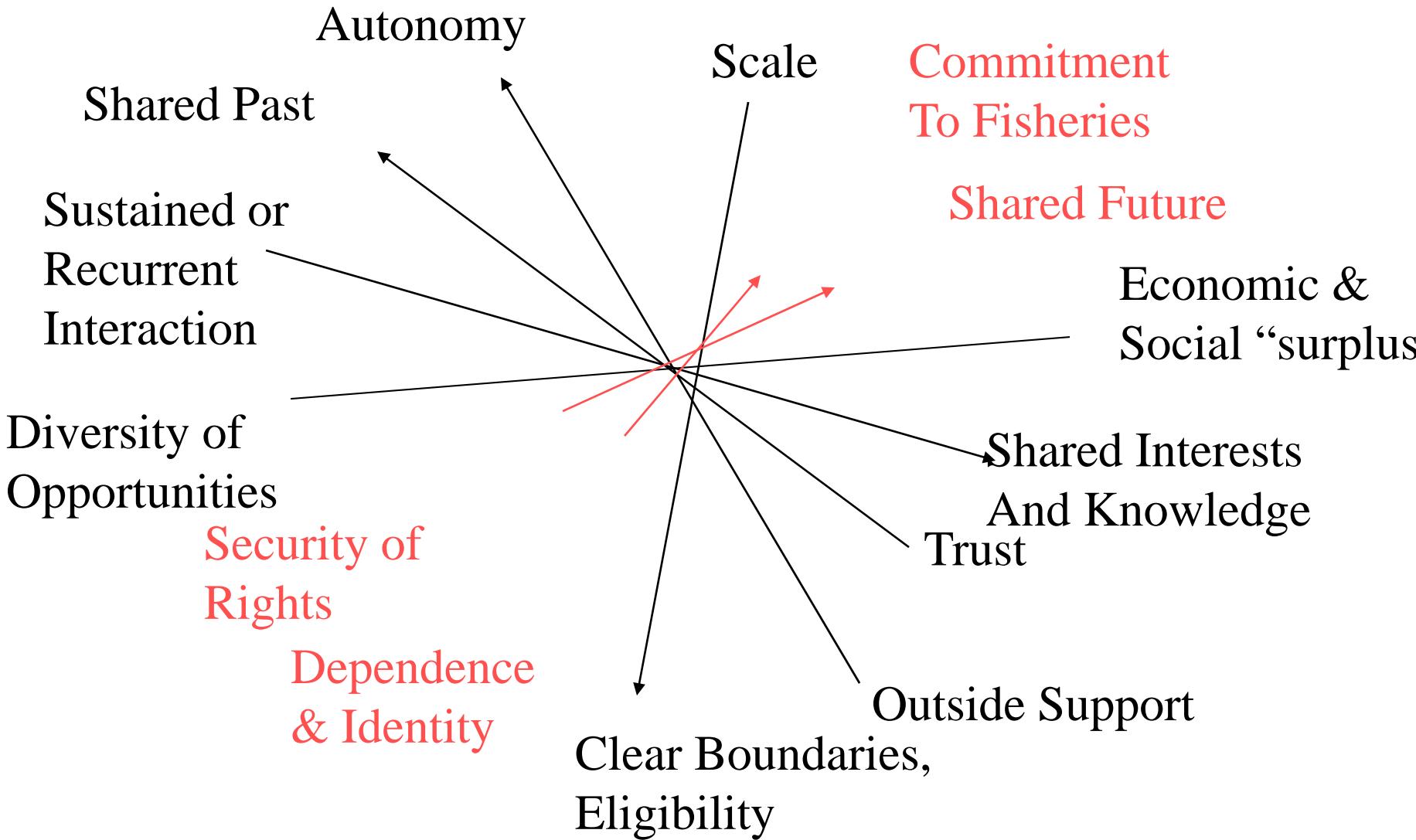
Community and the Commons

- “Keyword”
- Local, place-based, closely knit, homogeneous
- Vague, reassuring, unifying
- Obscures conflict, difference, inequality
- *Shared use, knowledge*
- *Shared liability or responsibility*
- *Shared authority*
- *Shared experience/ history*
- *Interactions in present*
- *Expectations for shared future*

The Quality of Property Rights













ECOSYSTEM SERVICES.....



*“Sure, kid. You start by working for the ecosystem,
but pretty soon you figure out how to get the ecosystem
working for you!”*

Sure, kid. You start by working for the ecosystem, but pretty soon you figure out how to get the ecosystem working for you!

Food Security and Fisheries

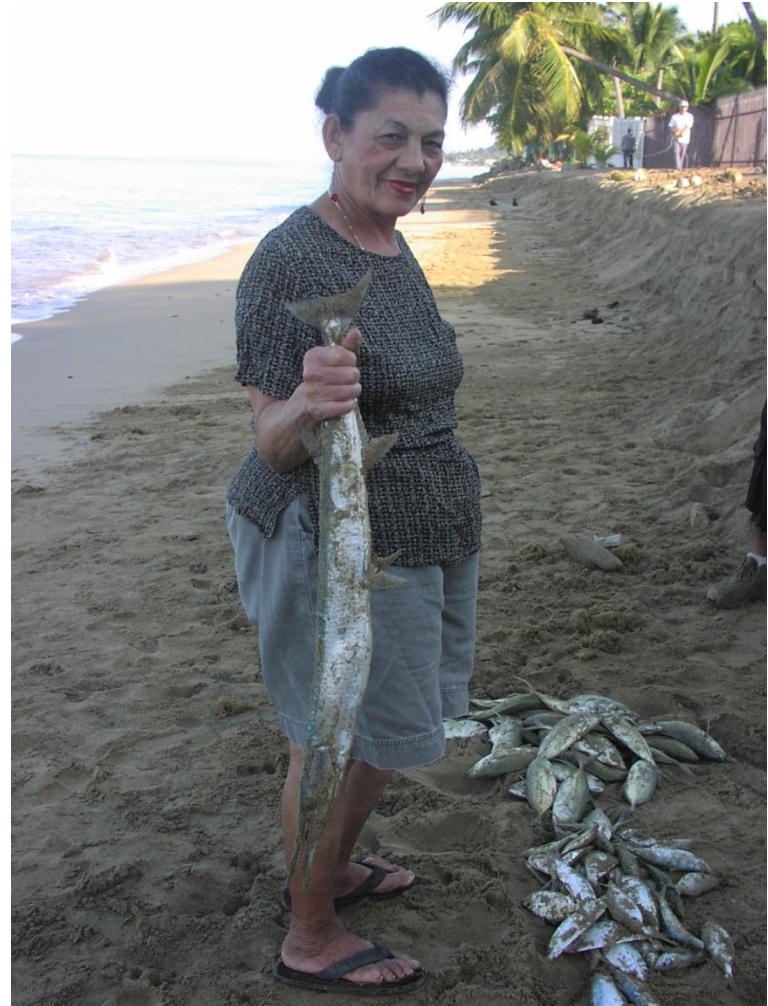
- 120 million people economically dependent on fisheries, one of the essential ecosystem services



- Incentive-based management
- Correct disincentives posed by open access conditions
- “dispossession” issues
- Self-seeking, economic motives can diminish others
- Framing
 - Monetary rewards
 - “Rights”

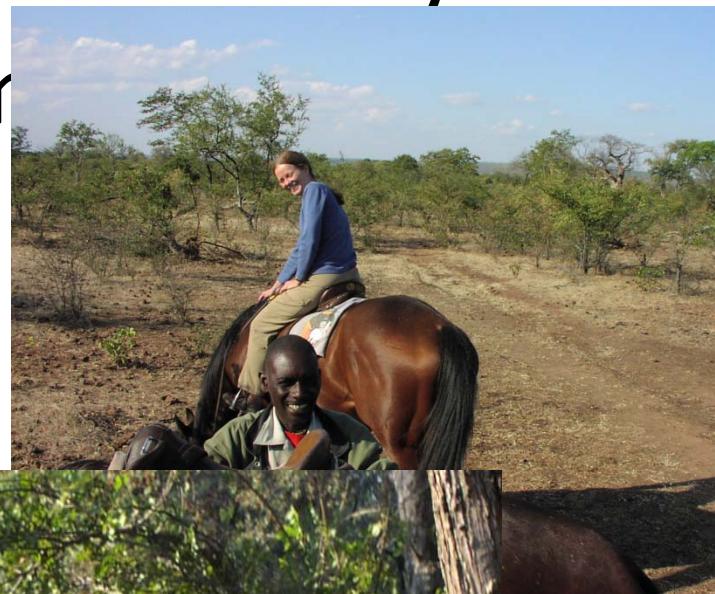
“rights-based management”

- Privatized access rights:
ITQs
 - reduce capacity
- Community-based access rights:
 - Territorial use rights
 - Co-management
- Human rights:
 - To fair returns for labor, regardless of gender, class, ethnicity
 - To meet basic needs



Market-incentives for community-based management

- African wildlife experiences
- ...Western and Murphree



Fishery

