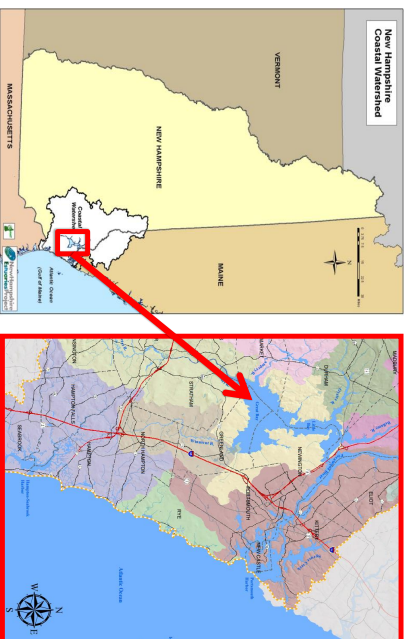


The Social Indicator Project: integrating social science into ecosystem management for New Hampshire's estuaries

Simone Barley-Greenfield and Jill Farrell

Background

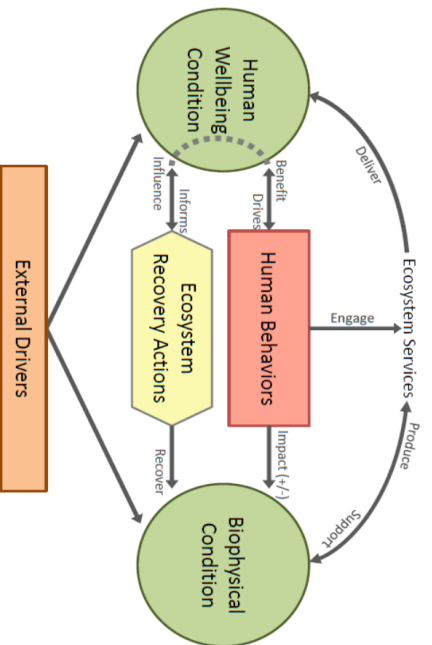


Issues facing the coastal watershed

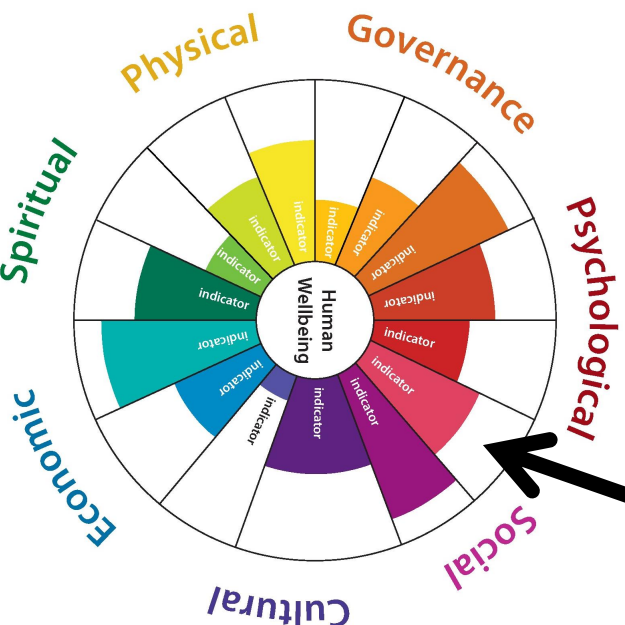
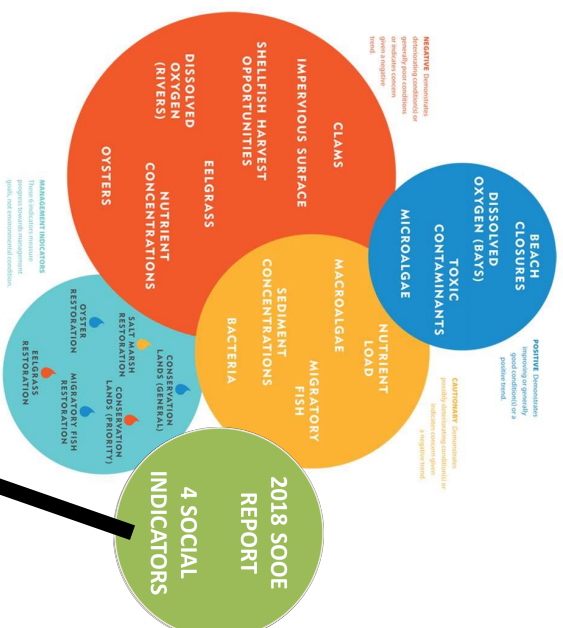
- **Ecological**
 - Increased nutrient levels
 - Declining eelgrass and oysters
 - Low dissolved oxygen
 - Decreased water clarity
- **Political**
 - More stringent federal regulations on local storm and wastewater management
- **Social**
 - Increasing population
 - Rapidly increasing development



The need for social indicators



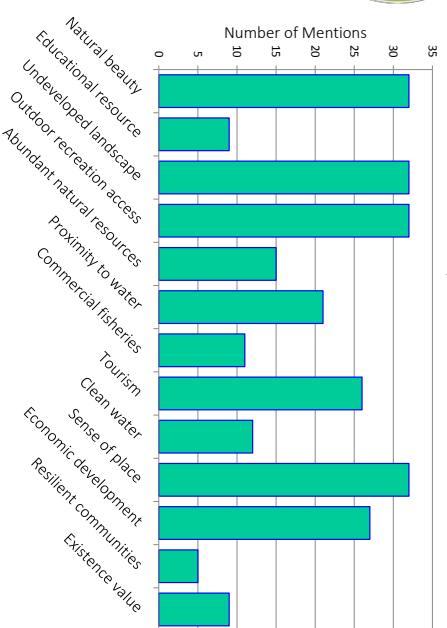
Conceptual Model



1. Establish a process to integrate social and economic indicators into natural resource management in the Piscataqua Region watershed.
2. Compile, create, rate, and refine potential social indicators that relate to the values of Great Bay Watershed residents and to the health of coastal and estuarine ecosystems.

Initial Stakeholder Interviews

Values Expressed in Interviews



Potential Indicators Identified

Domain	Attribute	Indicator	Data Source
Economic/Cultural	Cultural Practices	Oyster Sales from Great Bay	NH Fish&Game
Social/Cultural	Livability	Housing Sales Indicators	NH Association of Realtors
Social/Physical	Livability	Access to Public Land	GRANIT
Social/Cultural	Livability	Winter Farmers Market	Seacoast Eat Local
Physical	Outdoor Activity	Recreation licenses in NH	NH Fish&Game
Social/Cultural	Stewardship	Stewardship Network volunteers	New England Stewardship Network
Social/Cultural	Livability	Outdoor events	Multiple
Governance	Stewardship	LID Participation	UNH Stormwater Center
Physical	Outdoor Activity	State Park Visitation	NH DRED