

Actions to Impacts



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Why Actions to Impacts?

Key aspects of restoration:

Mission Statement

Impact Statement

Mission: “Protect and restore marine waters, species and habitats of the Northwest Straits to achieve ecosystem health and sustainable resource use through a citizen based approach”

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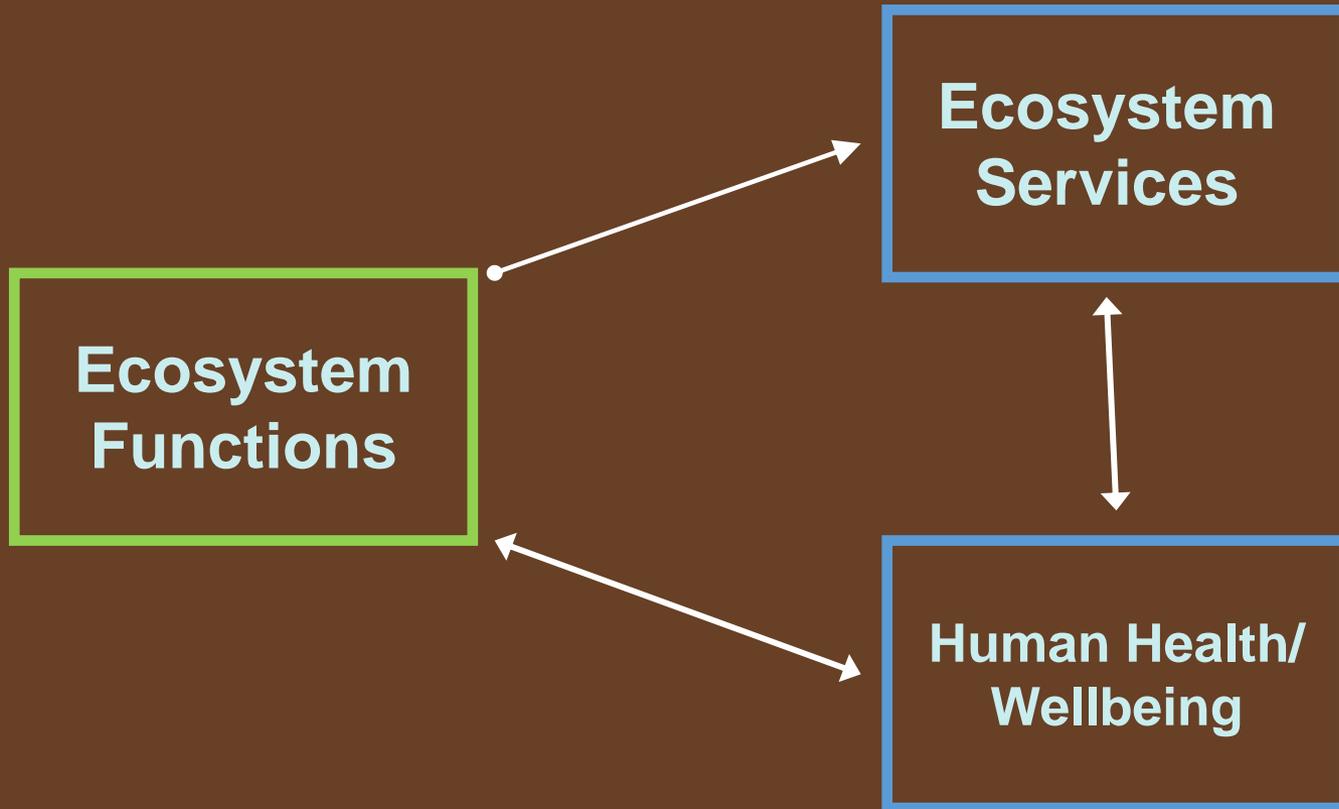
What is your **IMPACT** on the Northwest Straits?

Provide science-based evidence for impacts

Understand impacts in broader ecological and social context

Communicate MRC citizen science

Where are your Impacts?



Ecosystem Functions

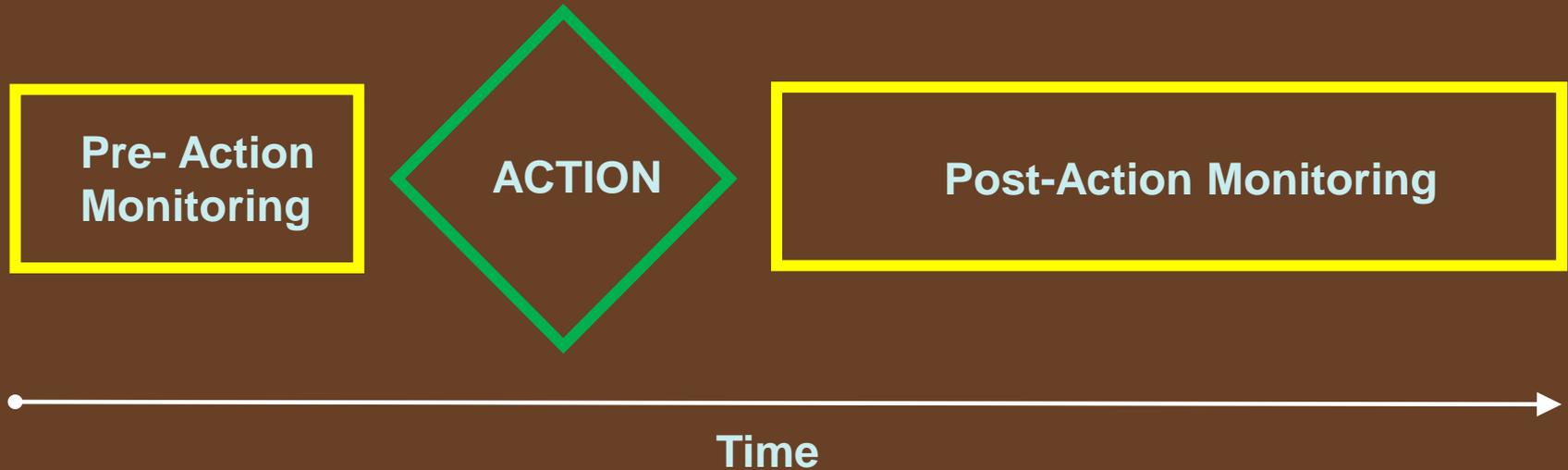
$$NEI = \Delta Function \times area \times probability$$

Requires an “Action”

Restoration effort
Outreach/Education
Policy change



Basic Structure



“Monitoring Sandwich”

Short-term goals

1. Benchmark current and proposed MRC projects
2. Create Conceptual Models with MRCs
 - Ecosystem Functions
 - Ecosystem Services
 - Human health and well-being
3. Develop qualitative model(s)
4. Develop guidelines for project impact assessment

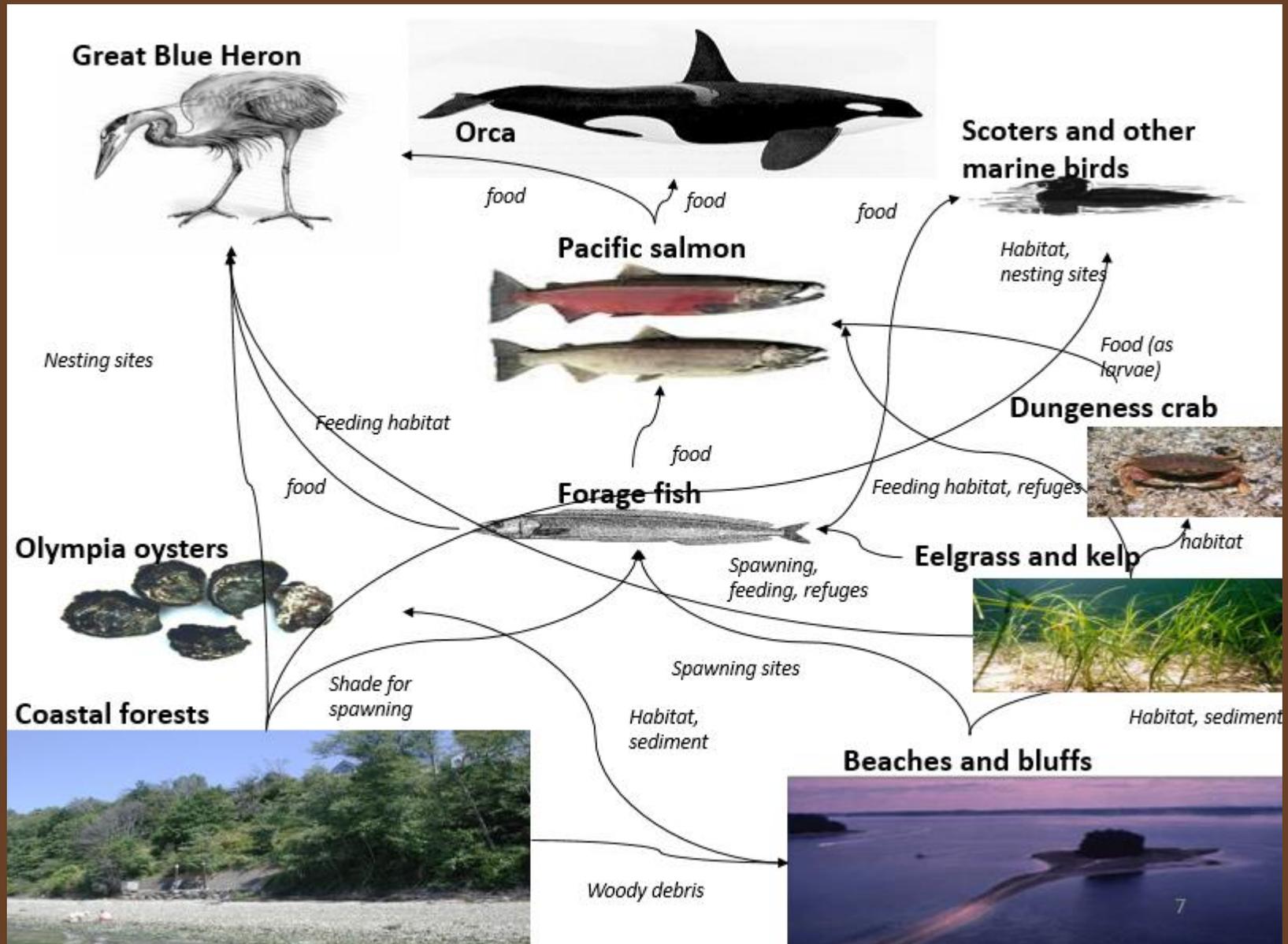
Project Characteristics

Volunteer-based
Scientifically rigorous
Standard protocols
Action-Oriented

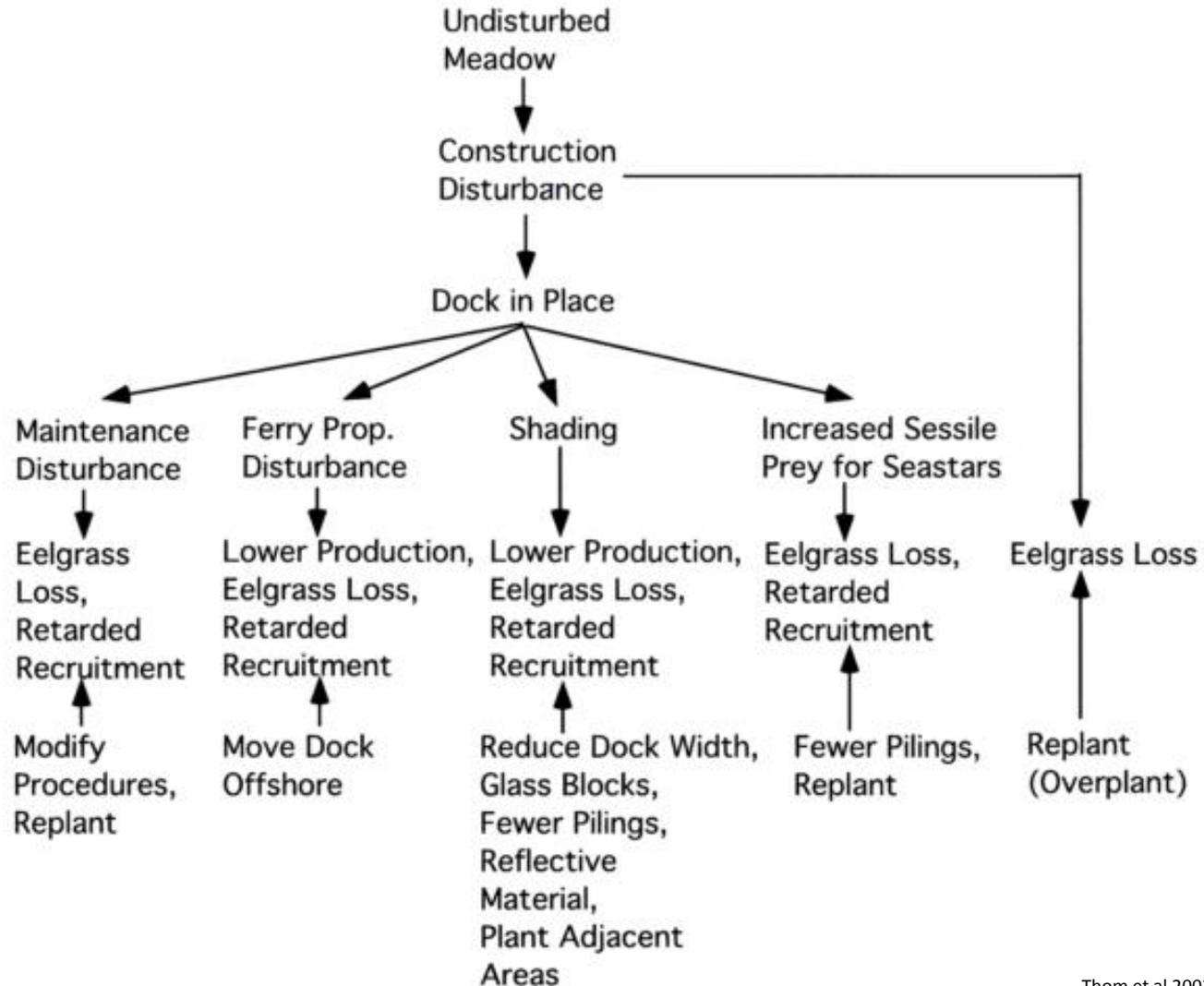
Impact Development

A priori consideration
Data Analysis
Community Engagement
Conceptual Models

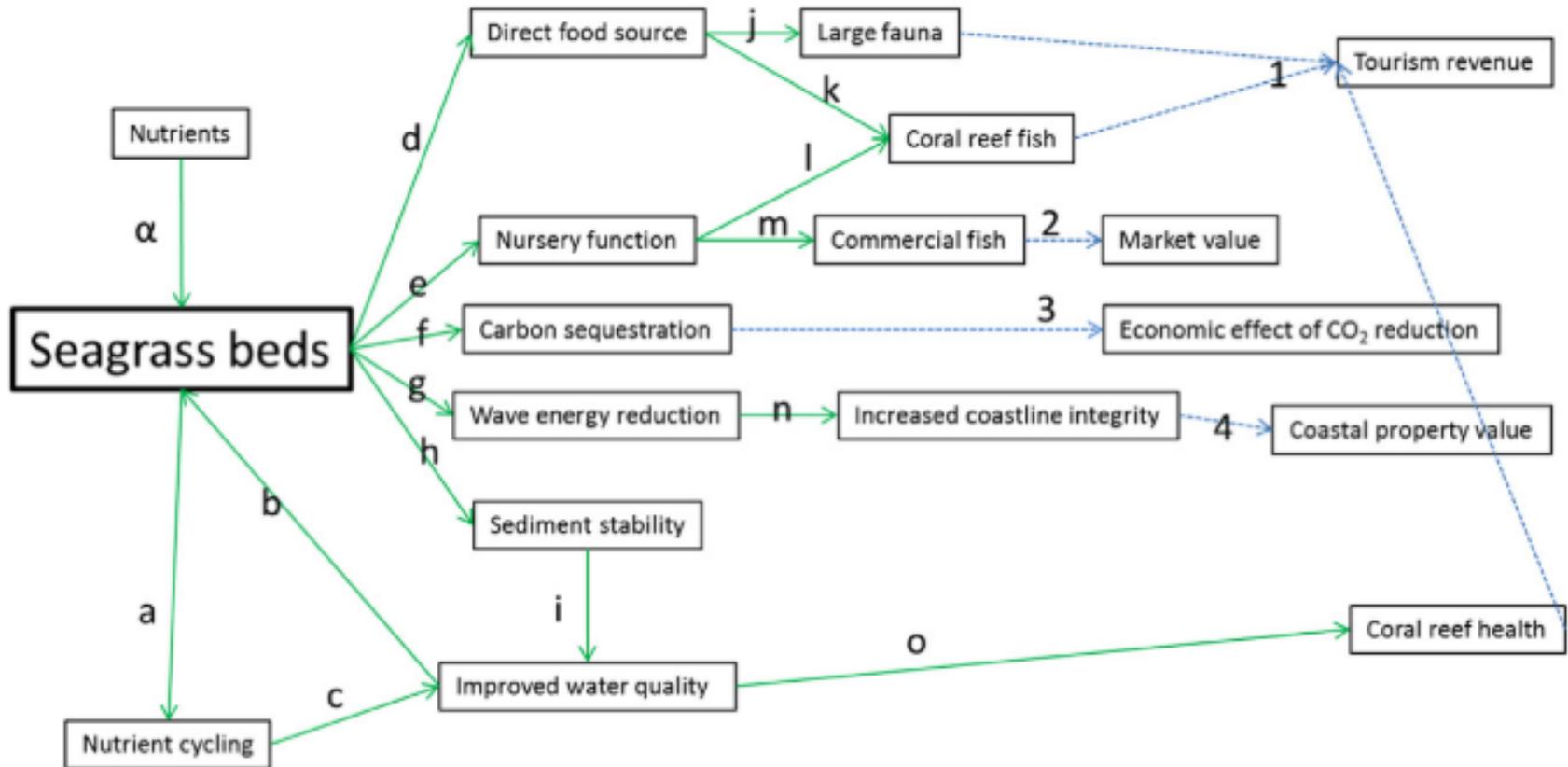
Ecosystem Conceptual Model



Impact Conceptual Model



Ecosystem Valuation Model



Dewsbury et al. 2016

Green Arrows = ecosystem functions
Blue arrows = economic contributions

Why Actions to Impacts?

Big picture:

This is a **communication tool** to facilitate restoration and conservation within your community

Salish Sea and humans are intertwined and it is all important