



# Clallam County Shoreline Master Program Update

No Net Loss  
Work Group  
Meeting #1

December 13, 2010



## Meeting Overview

- Background
- Performance Indicators
- Clarifying Questions
- **Break**
- Discussion
- Next Steps

## Meeting Outcomes

- Constructive and clear feedback on Performance Indicators
- Helped advanced a new approach
- Feel part of a creative process
- Leave inspired and pondering

# Background Information

## Aspiration

- SMP process: spatially explicit, informs decision-making and improves accountability
- Property owners/businesses invested and connected to healthy shorelines
- Confidence in no net loss strategy
- Clear, logical, & fair policies and regulations
- Healthy shorelines supporting residential, commercial and recreational use

## Why Focus on No Net Loss?

- Shoreline resources important
- Concern functions will be lost over time
- State requirements create opportunity to focus attention on NNL
- County received EPA grant to create a new approach

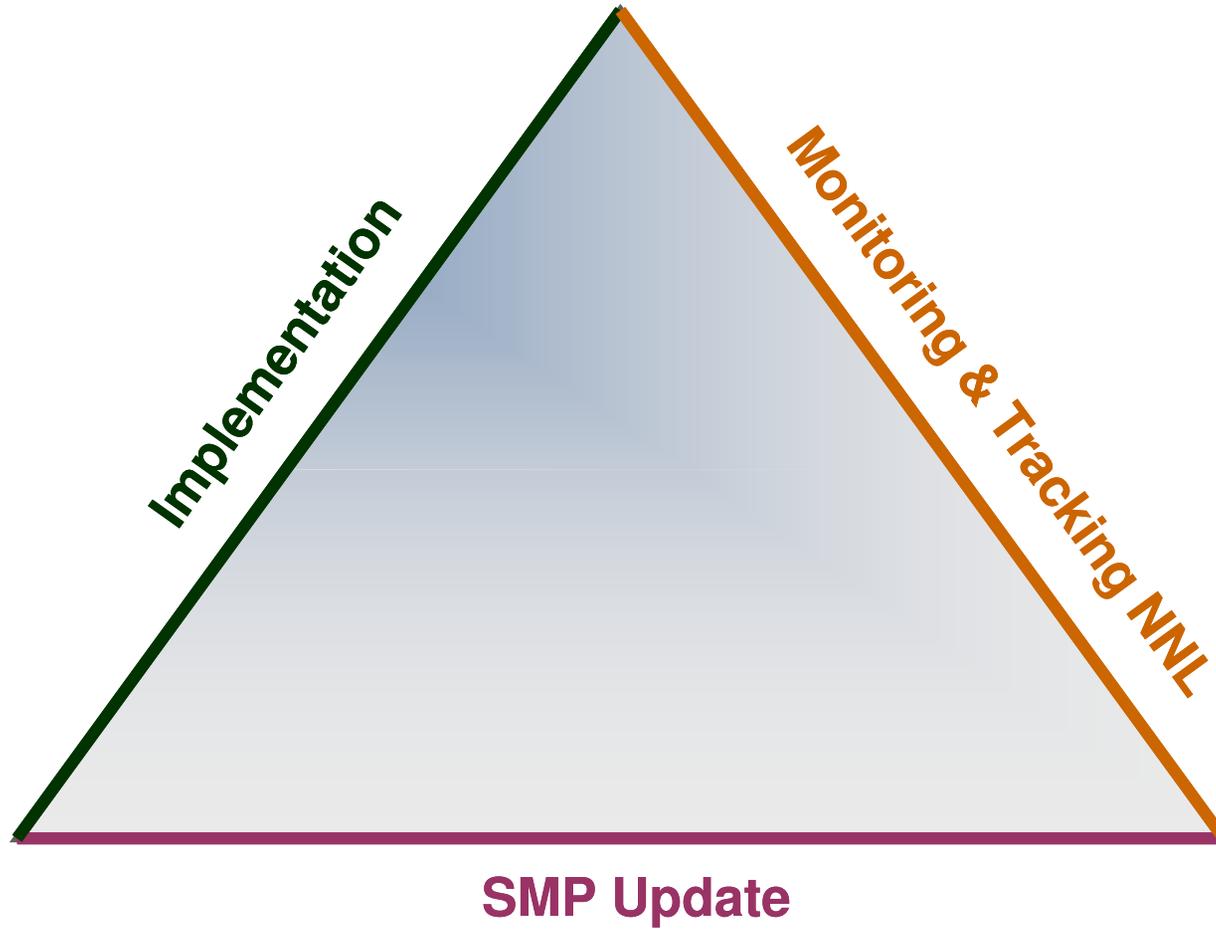
## Major Assumptions

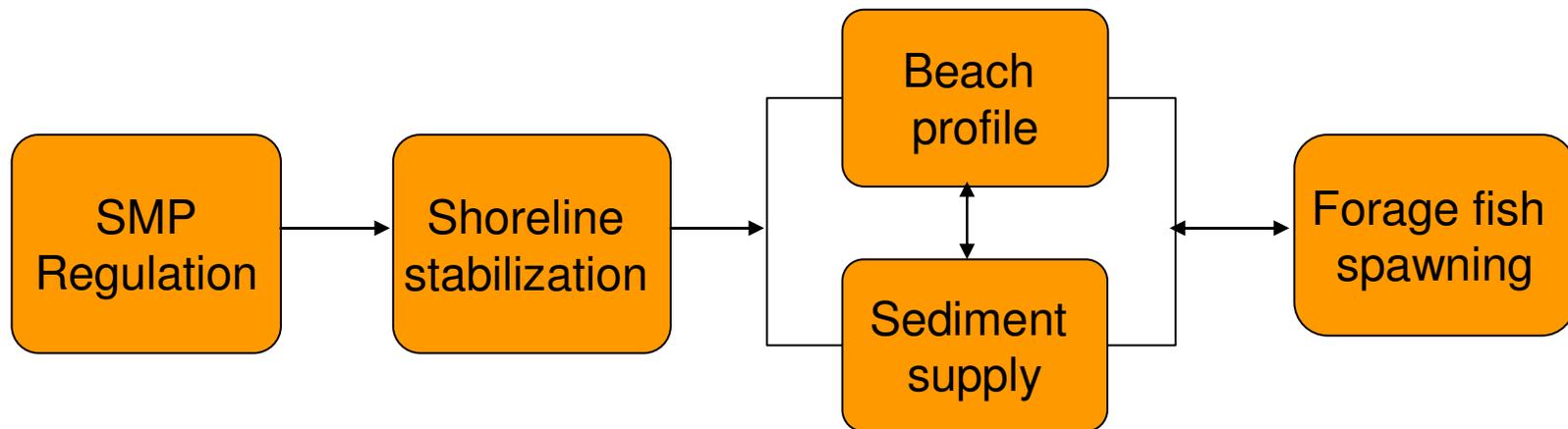
- Development will occur
- Development can be directed away from high value resources
- We can learn from other SMP experiences
- County / region will benefit from a more systematic, accountable approach

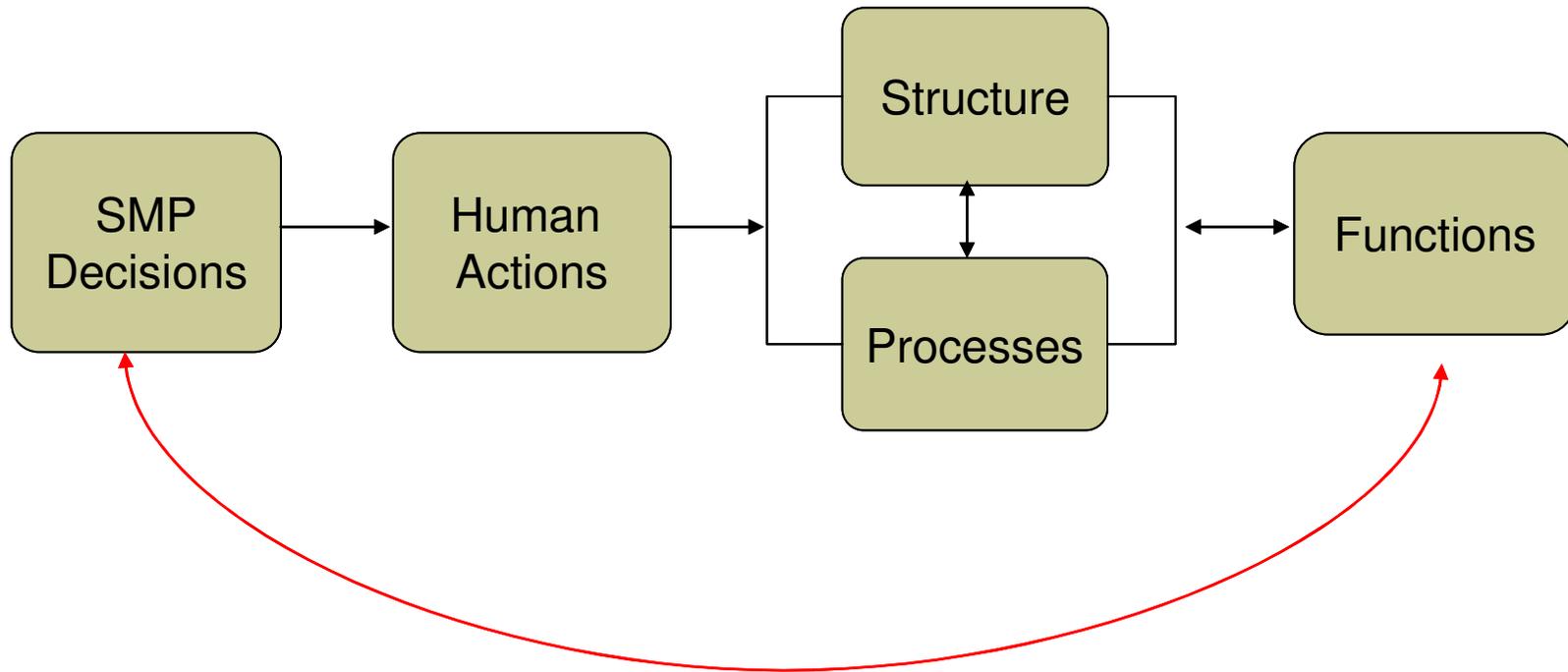
## Reality of the Work

- Draft SMP due December 2011
- Funds and staff time are limited
- Ecology grant prescribes certain steps and deliverables
- Analyze only indicators of ecological functions related to SMP decisions
- Focus is on Puget Sound (not WRIA 20)

## Approach to No Net Loss







## No Net Loss Approach

- “*Measure*” ecological conditions
- *Systematically evaluate* land use
- *Identify* potential for functional loss
- *Tailor* SMP policies and regulations
- *Track* effects and manage over time

## Slide 13

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**mclancy4** i have concerns about stressing the quantative part--at best its semi quantiitave. i like just sticking to spartially explicit

I would delete this

Margaret Clancy, 12/12/2010

# No Net Loss Work Group

## NNL Work Group Role

- Guidance on Performance Indicators
  - Scientifically sound
  - Relevant, feasible and useful
  - Inform regional efforts
  - Broadly applicable to other jurisdictions
- Create the new approach
- Feedback on if SMP achieves NNL

County and Ecology are Decision-Makers

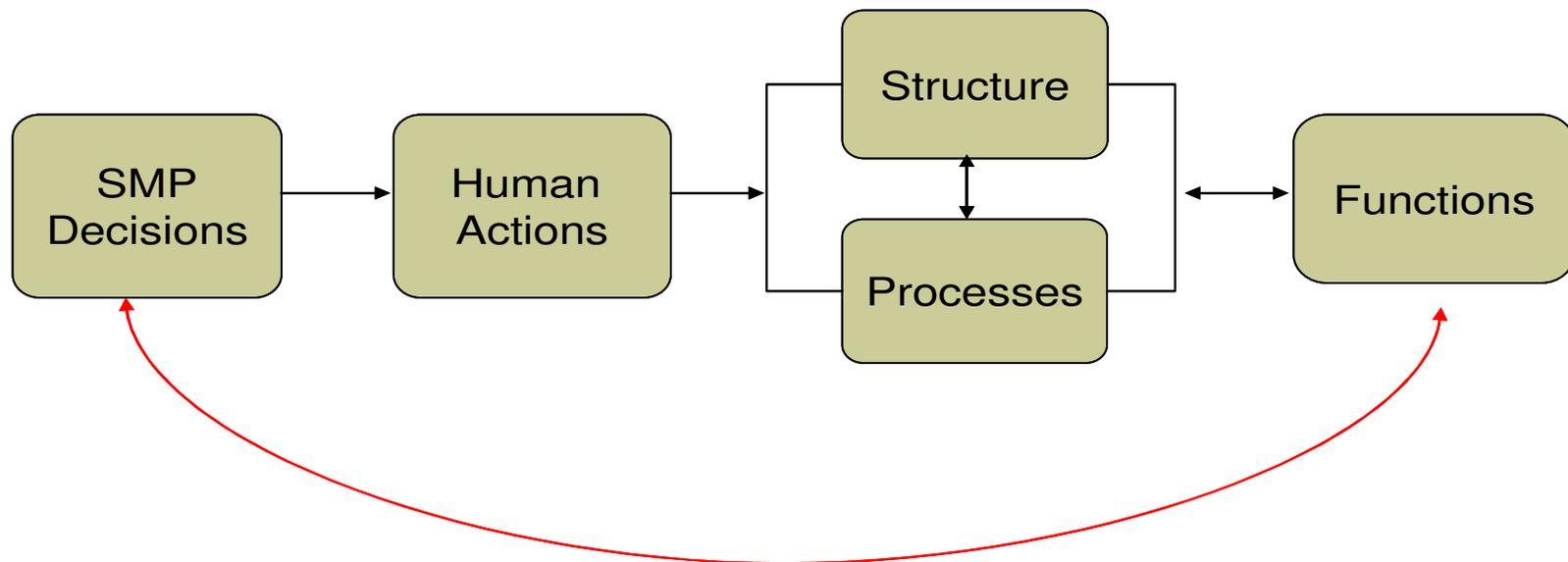
## Meeting Schedule

- December 2010
  - Background, Indicators to test
- Spring 2011
  - Issues raised during test
  - Baseline
  - Strategies for achieving NNL
- Fall 2011
  - Linking indicators to draft SMP

# Performance Indicators

## Performance Indicator Purpose

- Help craft policies and regulations
- Assess whether SMP decisions are +/- affecting functions over time



## SMP Policy Decisions

- Where/ When/How Allowed or Not Allowed
  - Types of uses (aquaculture, residential development)
  - Docks, Piers, Mooring Buoys
  - Armoring
  - Marinas, marina slips
  - Shoreline access structures
  - Public access
- Development requirements (dimensional standards, permit requirements, redevelopment allowances, mitigation)
- Other (e.g., stormwater management choices, etc)

**Slide 19**

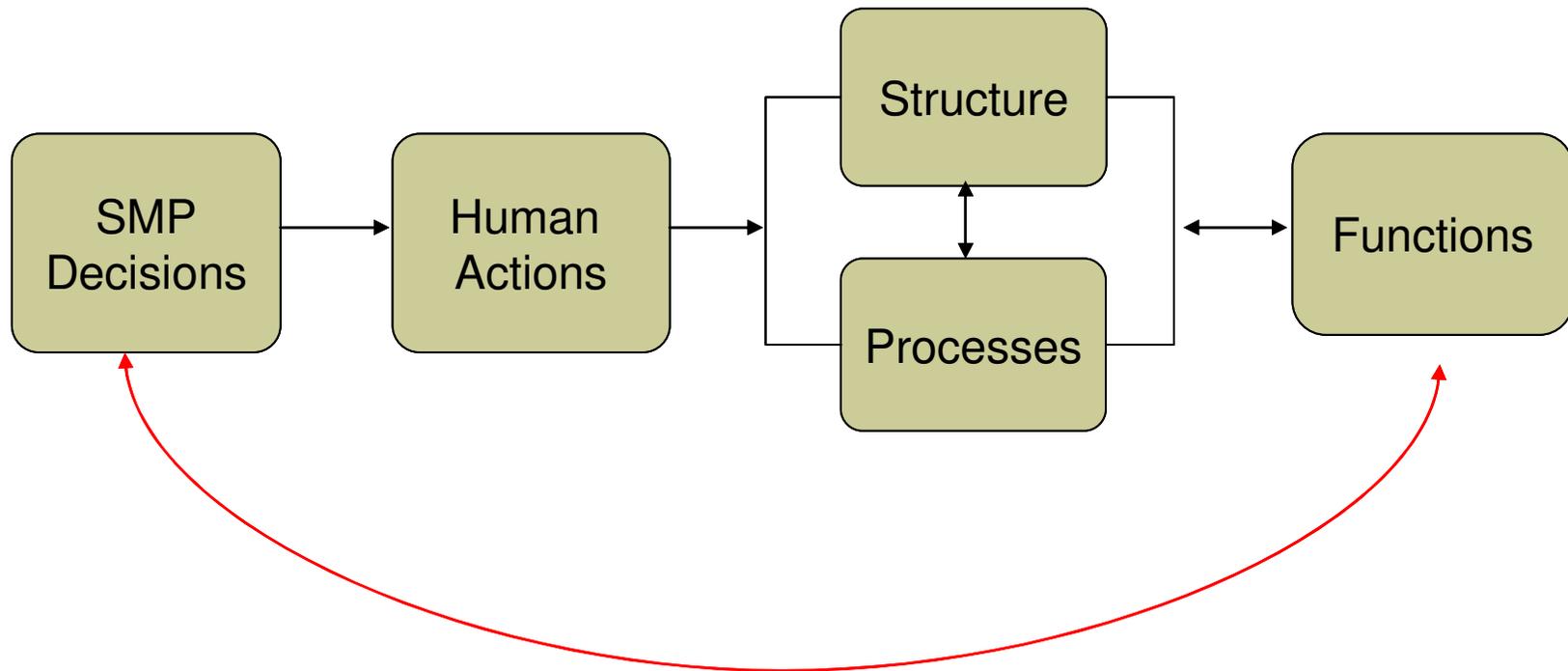
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**mclancy10** revised some terminology here  
Margaret Clancy, 12/12/2010

## Criteria for Performance Indicators

- Documented correlation between indicator and function
- Correlation between indicator and SMP decision
- Data reasonably available
- Likely future access to data
- Longer term environmental trends
- Measured with reasonable accuracy at parcel/reach scale
- Reflects local conditions of importance
- Build from Ecology's NNL indicators
- Contribute to regional efforts like PSP

# Performance Indicators



Measuring: Amount of shoreline armored

Measuring: Amount of feeder bluffs with/without armoring

## Discussion Questions

- What SMP decisions most concern you in terms of causing impacts?
- What are the most important functions to track?
- What are the best indicators for those functions (4-6)?
- Would assessing those indicators:
  - Improve ability to develop NNL policies & regulations?
  - allow for tracking SMP success over time?
- What limitations do you see in using performance indicators?

## Feeder bluffs with / without armoring

SMP Decision (s)	Function
Where/when to allow bulkheads	<ul style="list-style-type: none"> <li>• Sediment supply &amp; transport</li> <li>• Beach erosion and accretion</li> </ul>
Size of setbacks in erosion-prone areas	

## Amount of beach with/without forest cover

SMP Decision(s)	Function
Where to focus vegetation retention requirements	<ul style="list-style-type: none"><li>• Organic inputs</li><li>• Wildlife habitat</li><li>• Water quality (shade/temp)</li><li>• Slope stability</li></ul>
Size of setbacks and buffers	

## Submerged aquatic vegetation with/ without overwater structures

SMP Decision(s)	Function
Where to allow/not allow docks, buoys, marinas, etc	<ul style="list-style-type: none"><li>• Food webs</li><li>• Primary productivity</li></ul>

## Sediment transport zones with/without overwater structures

SMP Decisions	Function
Where to allow/not allow docks, piers, etc	<ul style="list-style-type: none"><li>• Sediment transport</li><li>• Beach erosion and accretion</li></ul>

# Public tidelands with/without shellfish harvest closures

SMP Decision(s)	Function
Type and density of development of near harvest areas	<ul style="list-style-type: none"> <li>• Water quality (bacteria, DO)</li> </ul>
Stormwater management standards	

## Amount of 100-year floodplain with/without forest cover

SMP Decisions	Function
Buffer requirements	<ul style="list-style-type: none"><li>• Hydrologic function</li><li>• Water quality</li><li>• LWD recruitment</li><li>• Wildlife habitat</li></ul>
Vegetation retention standards	

# Length of stream channel with/without dams or levees

SMP Decision(s)	Function
Type of allowed use	<ul style="list-style-type: none"> <li>• Floodplain connectivity</li> <li>• Exchange of organisms</li> <li>• Salmon rearing, spawning migration</li> </ul>
Stream bank armoring	

## Next Steps

- Refine indicators based on Work Group feedback, feedback of others and guidance from County and Ecology
- Test indicators by applying to NNL approach and Inventory and Characterization
- Prepare findings and issues for next NNL Work Group meeting

## Meeting Outcomes

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