

4/28/2007 9:32 AM



Clallam County SMP: No Net Loss Update

Spring 2012 Shoreline
Planners Meeting



NNL Assessment Steps

1. Inventory and characterization
 - a. Suggested NNL indicators
2. Develop preliminary draft SMP
3. Evaluate potential land use changes
 - a. Potential for new development
 - b. Type of development
4. Assess potential functional loss
(ongoing)
5. Tailor SMP based on risk *(upcoming)*
6. Track and monitor changes over time

NNL Indicators

Nearshore Functions

Sediment supply
Sediment transport
Water quality
Tidal hydrology
Freshwater input
LWD/organic inputs
Fish/Wildlife habitat
Species movement

Quality Indicators

Feeder bluff
Landslide/erosion
hazard
Closed canopy
riparian forest

Alteration Indicators

Modified shoreline
Feeder bluff with
armoring
Armoring (non feeder
bluff)
OW structures
OW structures in
sediment transport
zones

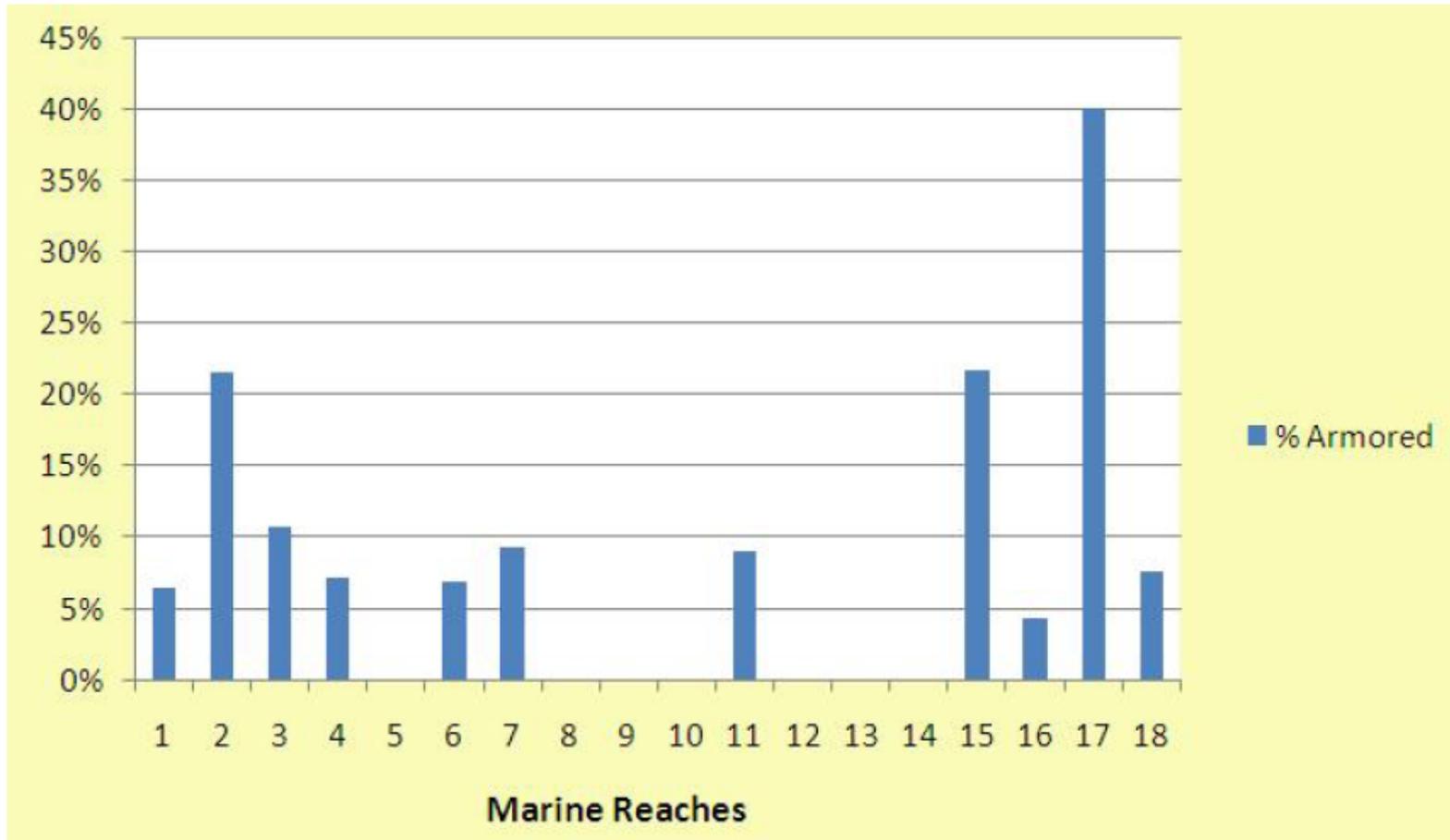
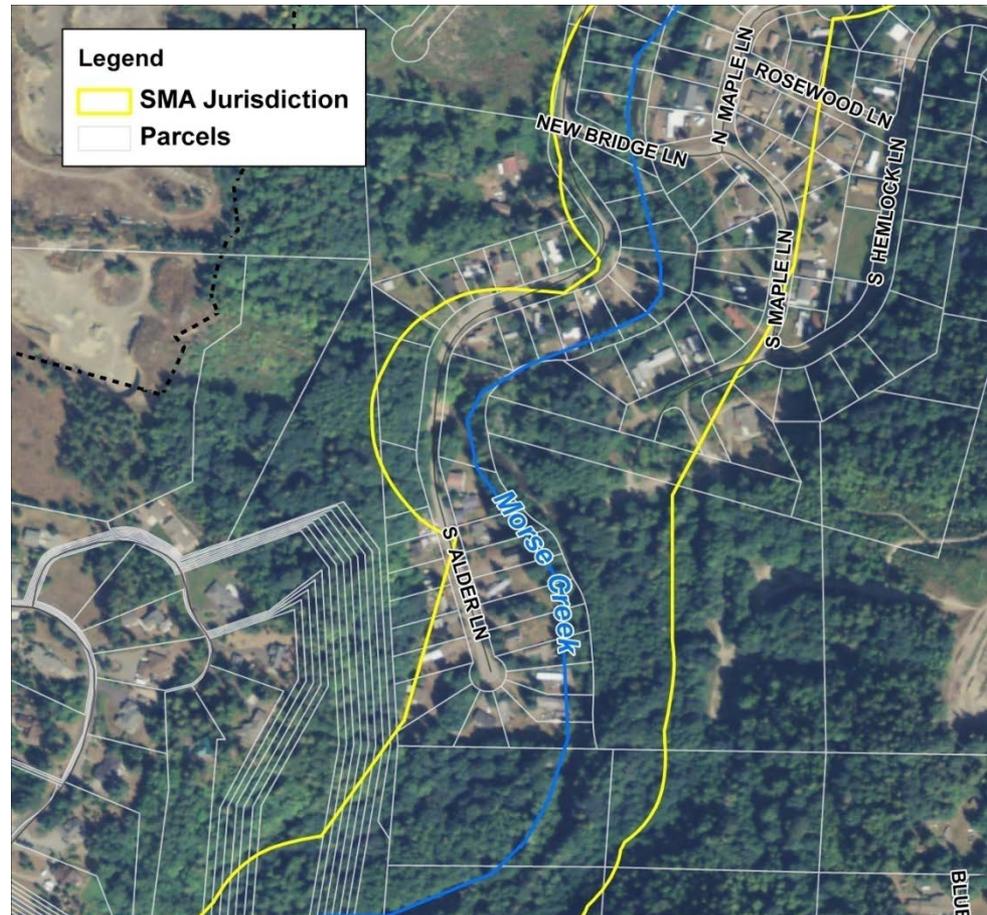


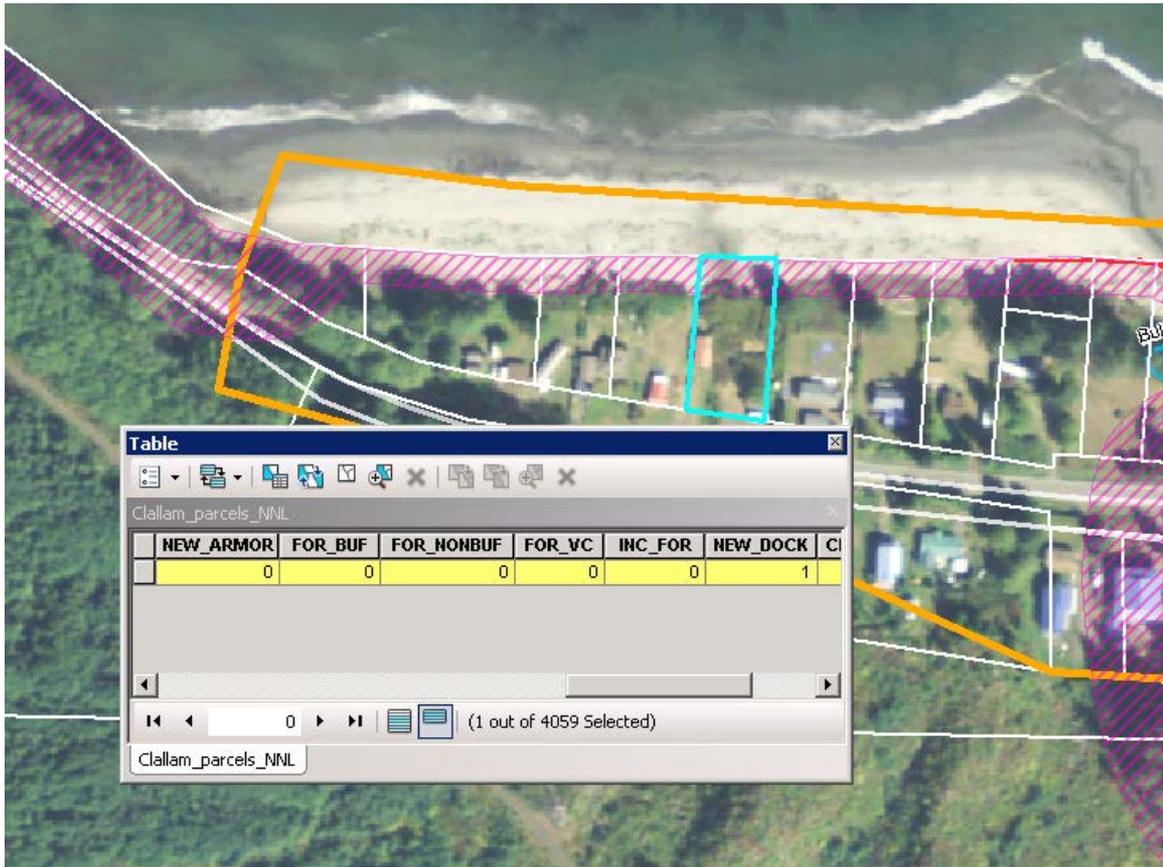
Figure 3-9. Percent of each reach with hard armoring along the Strait of Juan de Fuca in Clallam County (data from point PSNERP 2009, Battelle 2008)

Potential Land Use Change Analysis

- Identification of areas that are likely to change
- Based upon zoning and a development potential analysis



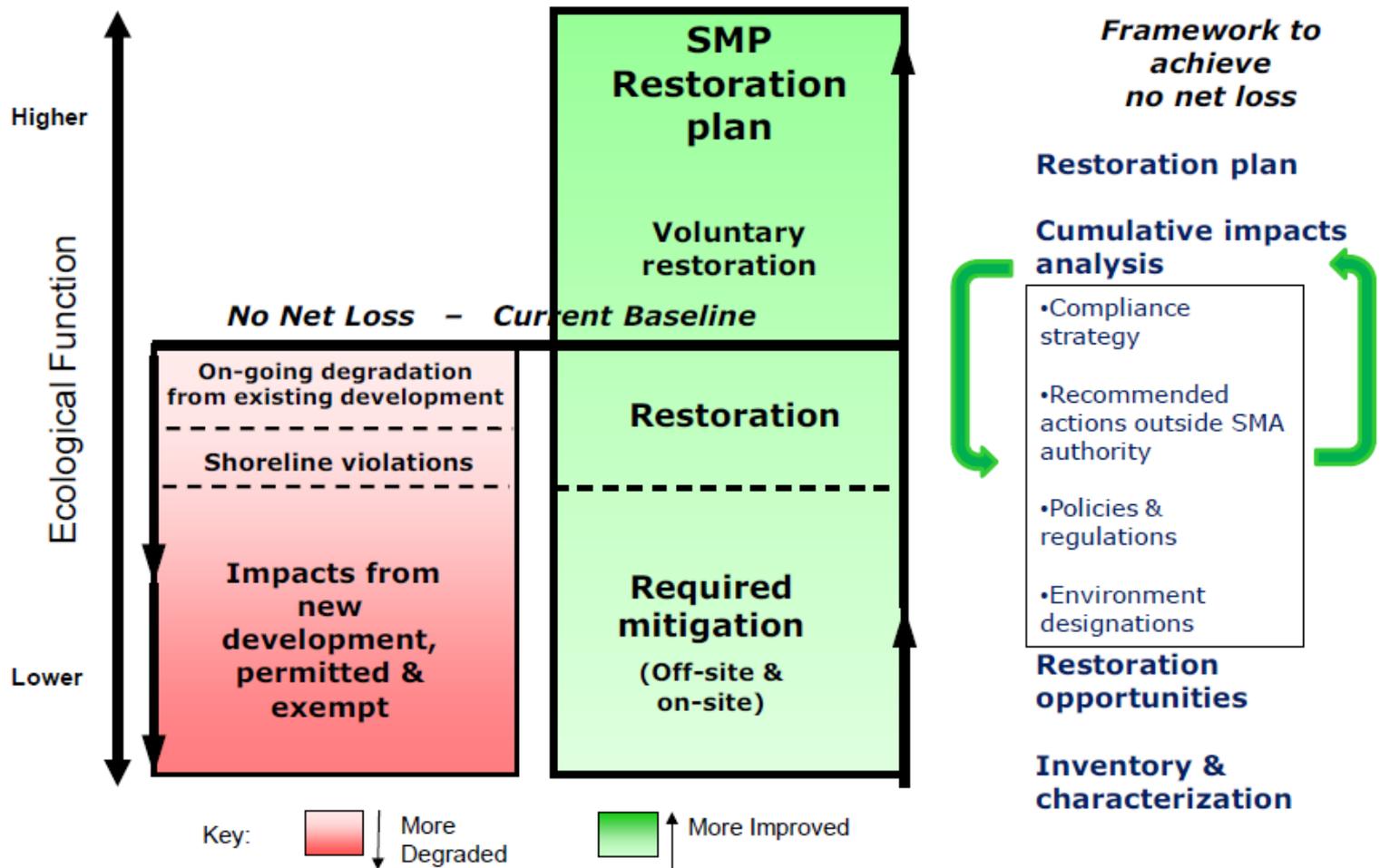
Assess Potential Functional Loss



- Based upon regulations in preliminary draft SMP
- Will result in quantitative assessment of indicators

NNL and Salmon Recovery

SMP updates: Achieving no net loss of ecological function



Achieving No Net Loss Using Salmon Restoration Projects

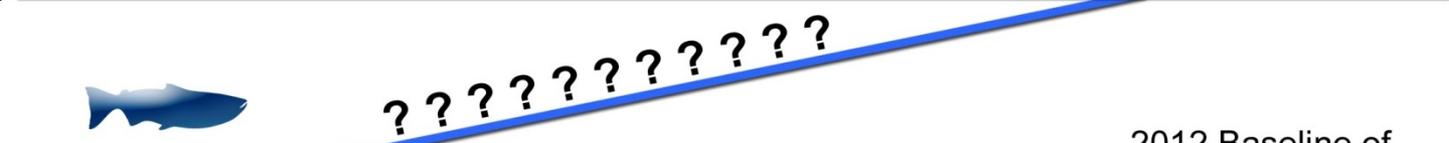


Salmon Recovery



Higher
↑
Ecosystem Function
Lower

No Net Loss



2012 Baseline of
Ecosystem Functions

Development Impacts
with mitigation

Salmon Restoration Projects

Development Impacts
without mitigation

Mitigation

Time (years)

