



North Pacific Landscape Conservation Cooperative

Coastal Work Group Call March 31, 2017

Attendees: *Debbie Hart (SEAK FHP), Eliza Ghitis NWIFC, Linda Kruger (USFS), Eric Mielbrecht (EcoAdapt), Mary Mahaffy (NPLCC)*

Conceptual Model:

Work group was OK with removal of (Natural, Working, Built, and Cultural) in Conceptual Model per recommendation of the Steering Committee. This broader description would be included in an introductory section for this conservation target included in the Strategy.

See the new version of the conceptual model on page 3 of this document for recommended additions. **Note:** *The old version (with Steering Committee input) is included on page 5 so you can compare changes made.*

It was noted that it is important to keep temperature mean extremes in the conceptual model because of the need to deal with warmer water temperatures.

As we discussed where the NPLCC should prioritize, work group members were reminded to reference the S-TEK Strategy Framing Questions that were developed last year ([link](#)) because we need to narrow down our focus to include in the new Science/TEK Strategy.

As priorities are selected it was noted that it is important to focus the strength of the NPLCC and its structure of multiple partners. Encouraging partners to maintain connection to environmental change, conservation, learning, and adaptation planning was thought to be an important role of the NPLCC. Important to understand the role of adaptation and refugia.

Sea level rise has a direct link to habitat loss. Ocean acidification has a direct impact on fisheries and managers are concerned about how they manage for transition and refugia. It has been shown that eelgrass and kelp can help mitigate the impacts of ocean acidification and hypoxia in Puget Sound.

Water temperature during low tide in intertidal habitats is important to address. Managing species related to temperature changes/transitions needs to be addressed.

It was thought that it would be possible for partners to leverage each other's work and move the dial forward. NOAA's coastal resilience project funds in past years have not addressed water quality. This is an important partnership focus which is the reason it should be included in a results chain. Look to the NPLCC as a way to facilitate good processes to help make this work happen by helping piece together different funding sources.

Results Chains:

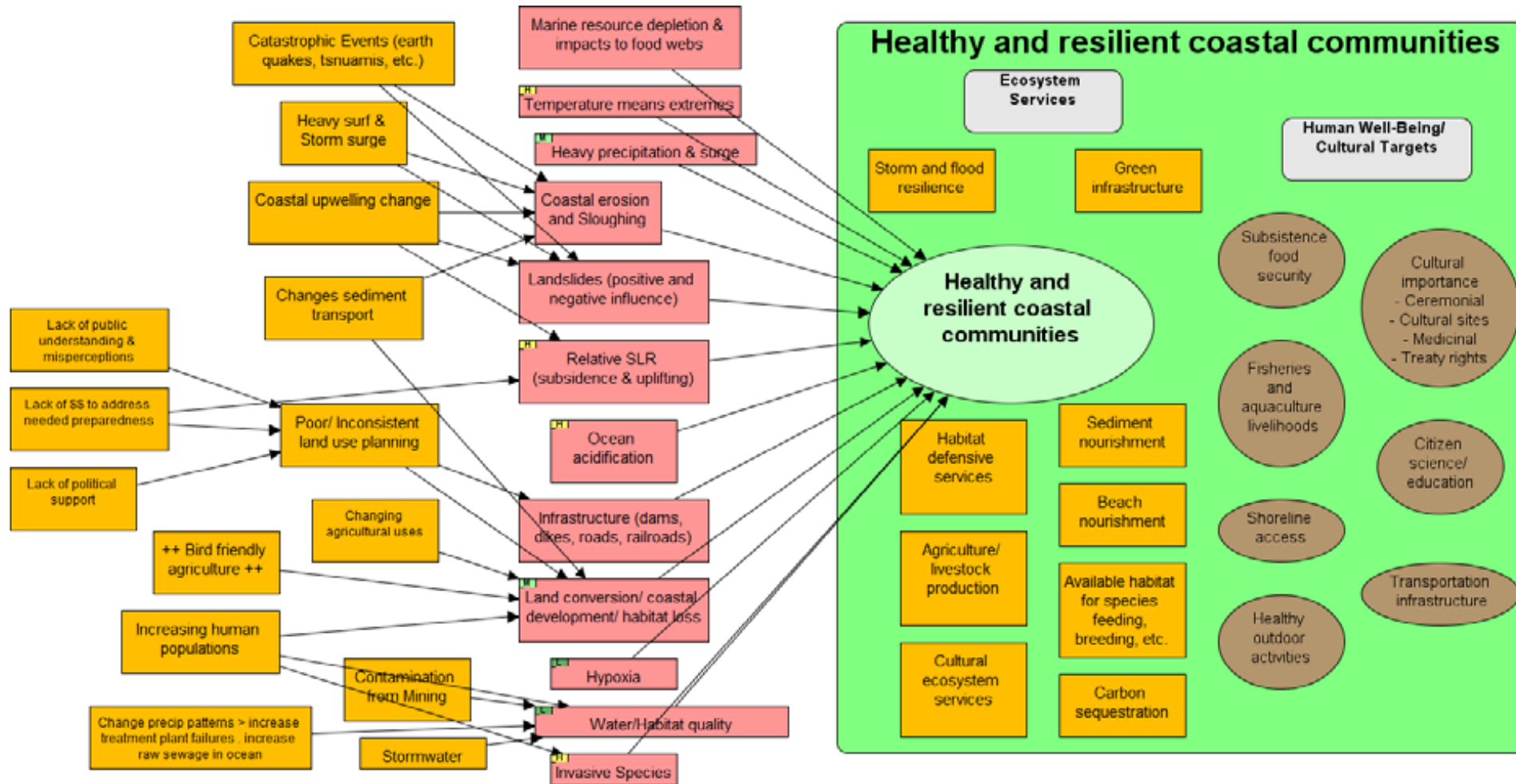
"Water/Habitat Quality" in a results chain:

- Ocean acidification
- Marine debris
- Temperature
- Dissolved O² (hypoxia)
- Microplastic pollution

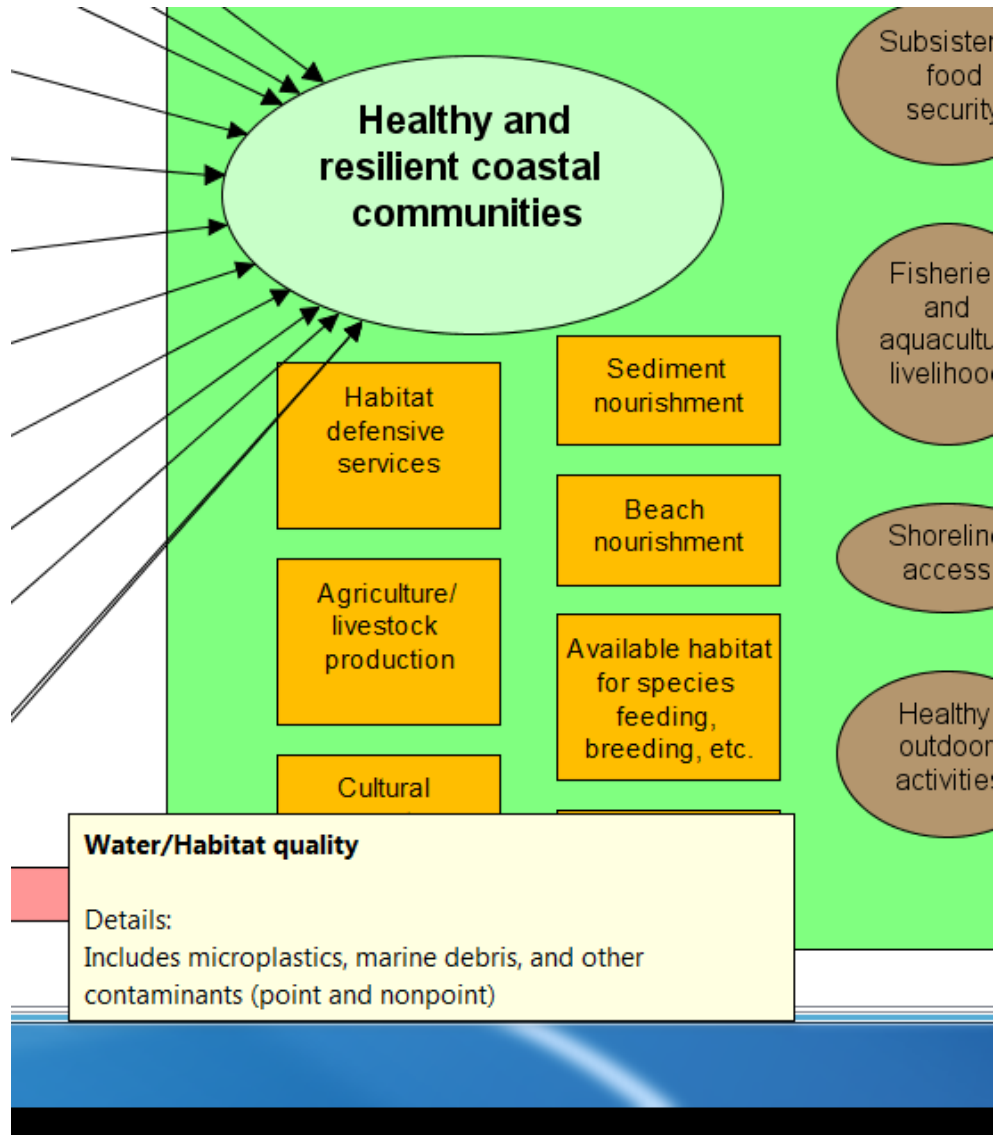
Recommended Threat Reduction Results to include were the following:

- ***Coastal change, transformation, and habitat loss are managed*** (developed during the in-person meeting)
- ***Water/Habitat quality are maintained*** - Because of the importance of addressing multiple direct change agents related to water quality it was recommended to nest the following impacts under this threat reduction result:
 - Ocean acidification
 - Marine debris
 - Water temperature
 - Dissolved O² (hypoxia)
 - Microplastic pollution

New Version – Note I changed some of the color boxes (pink to orange and vice versa)– Please review and let me know if you agree with the changes or if changes are needed. The old version is included on the last page of this document for comparison.



Detailed description included for Water/Habitat quality



Old version of Conceptual Model without links and before changes to any pink and orange boxes

WORKING DRAFT Concept. Model Coastal Communities – with SC input (red text)

