Data gaps

Actions

Goals

Goal I: Describe current distribution of Puget Sound kelp and document historic changes

Develop & implement expanded monitoring of bull kelp forests

Identify and monitor distribution and trends of understory species

Synthesize available data sources



Goal 3: Identify priority conservation areas and develop conservation strategies

Possible examples: fish use, forest persistence and size, local stressors, genetic connectivity





Kelp heeds your input!

Peer review and public comment summer 2019

Learn more about our project:

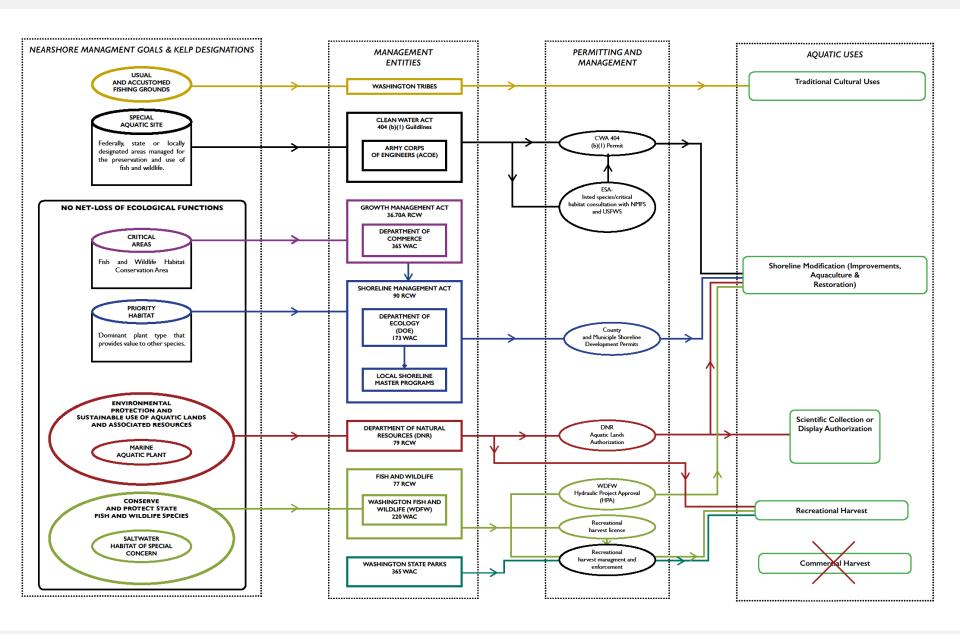
http://nwstraits.org/our-work/kelp/

https://www.westcoast.fisheries.noaa.gov/protected_species/rockfish/kelp_conservation.html

Objective # 1:

Identify priority research and monitoring actions to inform management/regulatory changes to better protect kelp.

We need to know (scientific information) so that we can do (management/policy tool) to better protect kelp.



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Human Activities that might impact kelp:

- Improvements (such as overwater structures, outfalls, shoreline armoring, etc.)
- Compensatory mitigation (actions to compensate for impacts)
- Point-source and non-point source water quality impacts
- Recreational harvest
- Kelp aquaculture (farming)
- Scientific and display collection/use
- _____ (fill in the blank)

Other dimensions of kelp management:

- Protected or priority areas
- Climate change response/adaptation
- Kelp restoration or kelp outplanting for habitat enhancement
- _____ (fill in the blank)

Breakout group discussion

- What existing tools are there to minimize (avoid, conserve) impacts to kelp?
 - Are these tools being used effectively?
 - Please differentiate between gaps in regulations, implementation, enforcement or other components of the larger management framework.
- Where are gaps or opportunities within regulations to improve protection of kelp?
 - What scientific information is needed to support the proposed management tool?

Objective # 2:

Identify currently available management tools that can further help conservation and restoration of kelp.

We have (management/policy tool) currently in place to minimize impacts to kelp.

Objective # 3:

Assess opportunities for additional tools that can further kelp conservation and restoration.

We need (management/policy tool) to improve protection of kelp.



