

# Proposed Revision of the Hydraulic Code Rules

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Habitat Program

# November Highlights

## Outreach

- Meetings with Tribes and stakeholders

## Other

- Website redesign
- Hired an economist



# Overview

- Common construction requirements
- Artificial aquatic habitat structures
- Forage fish spawning beach surveys
- Marine vegetation surveys



# Common Construction Requirements

## Best management practices

- Equipment use
- Construction materials
- Sediment and erosion control containment
- In-water work area isolation
- Fish removal
- Demobilization



# Common Construction Requirements

## Concerns

- Water quality provisions too vague
  - Department of Ecology
- Tires not authorized
  - Rubber Manufacturers Association
  - Dock Builders



# Artificial Aquatic Habitat Structures

Structures placed to aid fish and shellfish management goals

- Rockfish
- Olympia oyster
- Dungeness crab



Note: Structures for commercial aquaculture are exempt

# Artificial Aquatic Habitat Structures

Aquatic habitat structures must meet the following needs:

- Enhancement of fish viewing opportunity at a specific location
- Enhancement or conservation of aquatic resources
- Mitigation for impacted fish habitat



# Intertidal forage fish spawning habitat surveys

## Forage fish are important

- Surf smelt and sand lance spawn on beaches
- Pre-project surveys look for eggs
- Prey larger fish eat
- Forage fish are a large part of Coho and chinook salmon, lingcod and halibut diets





# Intertidal forage fish spawning habitat surveys

## Concern

- Restrictions do not apply to potential habitat
  - Sound Action



# Seagrass and Macroalgae Surveys

Seagrass and macroalgae is important

Fish and shellfish which depend on seagrass, kelp and other macroalgae for all or part of their life cycle account for a multimillion dollar industry in Washington



# Seagrass and Macroalgae Surveys

Hydraulic projects must mitigate impacts to seagrass, kelp and other macroalgae



# Major Concern

## Increased cost

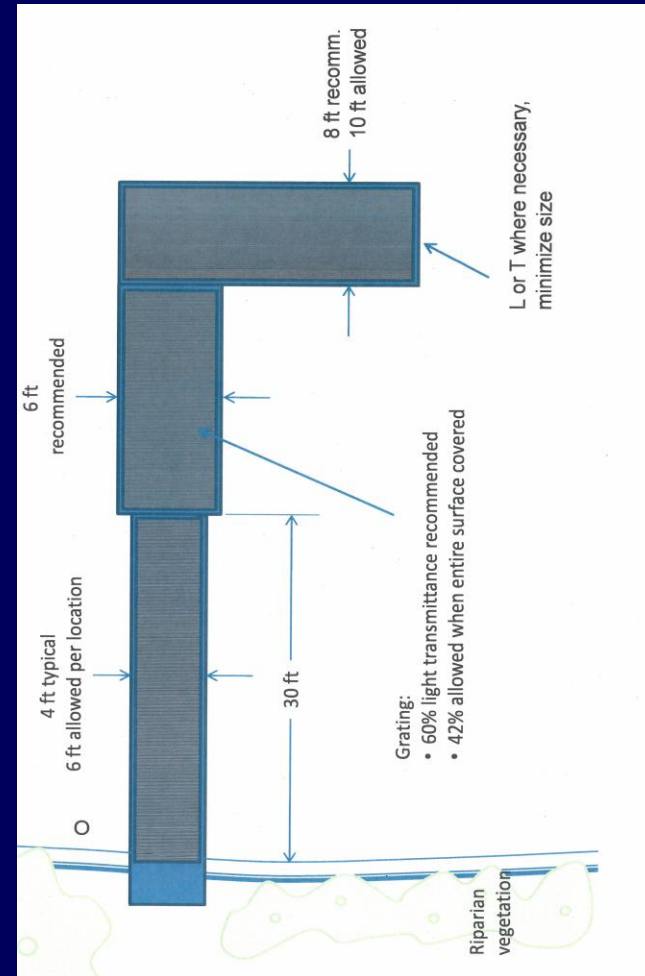
- Culvert and bridge design and construction



# Major Concern

## Reduced water enjoyment

- Freshwater dock width restrictions



# Major Concern

## Reduced fish protection

- General HPAs
- Simplified HPAs



# January Meeting

- Mineral prospecting
- Freshwater docks
- Boat ramps and launches
- Marinas and shipping terminals



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# Contact Information

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