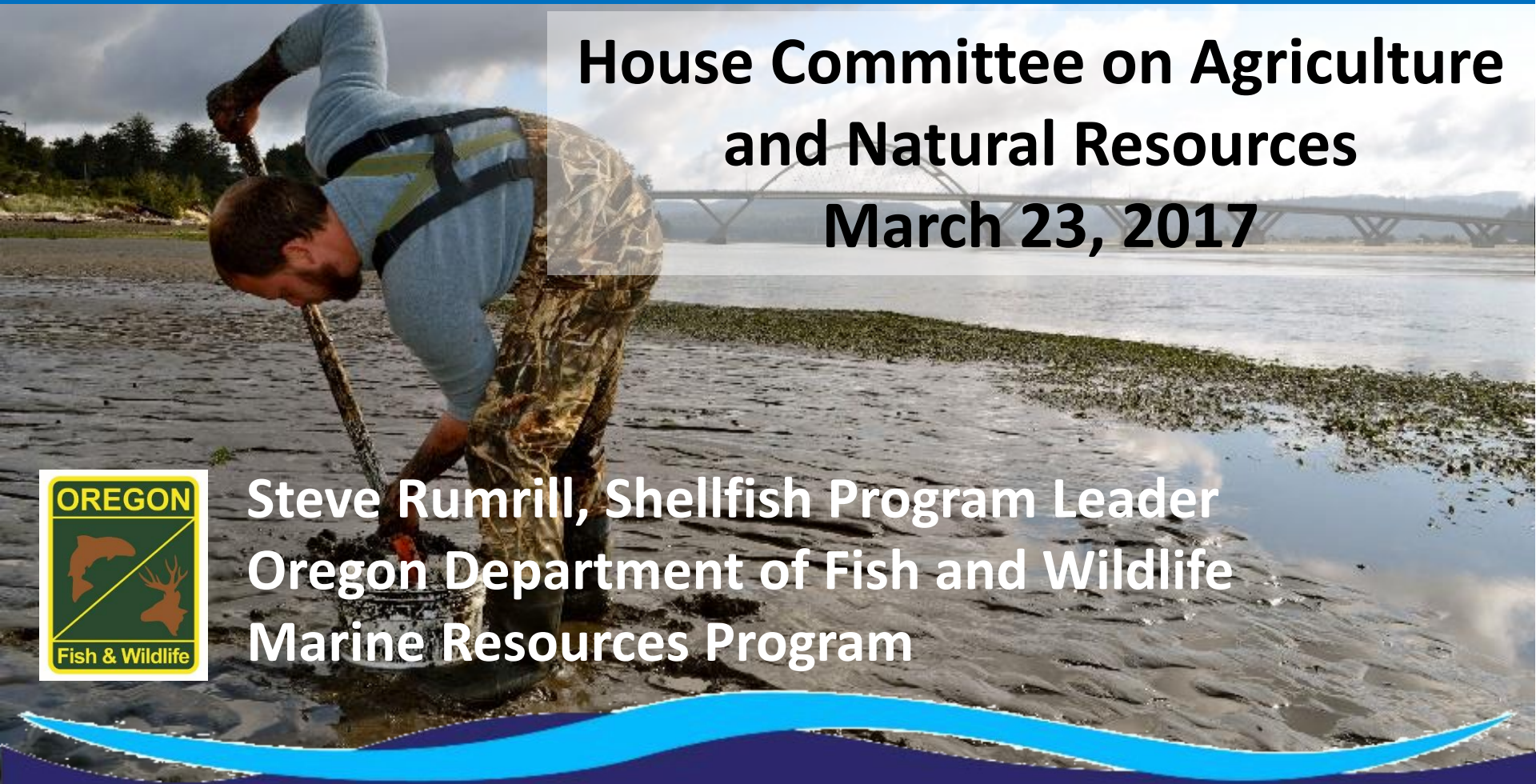


# Pathway toward an Oregon Shellfish Initiative: Recommendations from the Oregon Shellfish Task Force

**House Committee on Agriculture  
and Natural Resources  
March 23, 2017**



**Steve Rumrill, Shellfish Program Leader  
Oregon Department of Fish and Wildlife  
Marine Resources Program**



# Molluscan Shellfisheries in Oregon:

- **Recreational – wild stock**
- **Commercial – wild stock**
- **Mariculture - cultivated**



# Pathway toward an Oregon Shellfish Initiative

**National Marine Aquaculture Policy 2011**



**National Shellfish Initiative 2011**



**Washington Shellfish Initiative 2011**

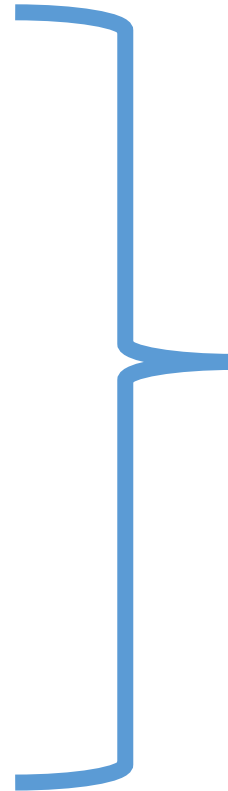


**California Shellfish Initiative 2013**

**Oregon Shellfish Task Force 2015-16**



**Oregon Shellfish Initiative 2017 ->**





# Oregon Shellfish Task Force: House Bill 2209 / 2015

## Establish OR Shellfish Policy:

- *Enhance and expand cultivated shellfish production*
- *Conserve, protect and restore wild populations of native shellfish*
- *Improve water quality and the health of aquatic and marine habitats*

## OR Shellfish Task Force / 11 Reps:

- Legislative / 2
- Coastal Tribes / 1
- Agencies / 2
- Industry / 2
- Academia / 1
- Recreational / 1
- Ports / 1
- NGO / 1





# Oregon Shellfish Task Force / 2016

## *CALL TO ACTION FOR THE 2017 LEGISLATIVE SESSION:*

### 1) Formalize the Oregon Shellfish Initiative

- Recommend executive action or seek legislation
- Organize as a multi-year collaborative public/private partnership

### 2) Designate Representatives

- Create Oversight Committee, coordinated jointly by the Oregon Department of Agriculture and the Oregon Department of Fish and Wildlife



### 3) Garner \$3M in Financial Support

- Additional funds outside agency budgets
- Appropriations for high priority recommendations





# Pathway toward an Oregon Shellfish Initiative

## Oregon Shellfish Task Force / 2015-16

### 32 Recommendations

#### Priority Rank:

- High
- Moderate
- Low

#### Implementation:

- Immediate
- Mid-term
- Long-term

#### Cost Estimate:

## Oregon Shellfish Initiative / 2017

### HB 2784/New Provisions & Appropriations

- 17 Recommendations

### HB 3234/Appropriations

- 17 Recommendations

Note: 2 complex ORSTF recommendations split into 4 HB recommendations



# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Oregon Agency Leadership and Collaboration:

### **High Priority / Immediate Implementation**

- **Direct the Oregon Department of Agriculture - Food Safety Program to serve as the lead agency to coordinate commercial shellfish mariculture permitting and management**
- **Hold pre-application conferences among lease applicants and resource agencies**
- **Conduct inspections of shellfish lease plats and enforce compliance with “*use it or lose it*” statute (ORS 622.280)**

**Cost Estimate: \$200,000**

**HB 2784**



# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Oregon Agency Leadership and Collaboration:

### **High Priority / Long-Term Implementation**

- **Develop a state-wide GIS database with information about estuaries to assist local governments with land-use planning**

**Cost Estimate: \$200,000 / HB 2784**

- **Develop ODA/ODSL MOU regarding coordination of removal-fill permits for commercial shellfish mariculture operations**

**Cost Estimate: N.A. / HB 2784**





# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Enhance Commercial Shellfish Mariculture Production:

### **High Priority / Immediate Implementation**

- **Direct ODA to transfer existing financial resources from the Tillamook Bay Water Quality Pilot Program to expand monitoring in other shellfish-growing areas**

**Cost Estimate: \$50,000 / HB 2784**

- **Provide support for the OSU Molluscan Broodstock Program**

**Cost Estimate: \$570,000 / HB 3234**



# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Enhance Commercial Shellfish Mariculture Production:

### High Priority / Long-Term Implementation

- Continue effective management of aquatic invasive species and explore actions to allow for transport of non-native species important to mariculture

Cost Estimate: N.A. / HB 2784





# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Understand the Impacts of Ocean Conditions:

### **High Priority / Immediate Implementation**

- **Monitor ocean acidification and identify potential impacts of OA on cultivated shellfish and native wild stocks**

**Cost Estimate: \$280,000 / HB 3234**

- **Develop a Harmful Algal Bloom monitoring program to provide early warning about marine biotoxins**

**Cost Estimate: \$350,000 / HB 2784**



# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Evaluate Socioeconomic Costs and Benefits:

### **High Priority / Immediate Implementation**

- **Conduct a baseline socioeconomic study of the commercial molluscan shellfish industry**

**Cost Estimate: \$80,000 / HB 2784**

- **Conduct a marketing and sales study for commercial molluscan shellfish to identify and improve economic opportunities**

**Cost Estimate: \$50,000 / HB 2784**



# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Evaluate Socioeconomic Costs and Benefits:

### **High Priority / Long-Term Implementation**

- Document the economic effects of ocean acidification on commercial cultivation of oysters, and assist the industry to identify the benefits from research and outreach

**Cost Estimate: \$30,000 / HB 3234**





# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Increase Public Education, Outreach, and Enhance Recreational Opportunities:

### **High Priority / Immediate Implementation**

- **Conduct public education and outreach activities related to recreational shellfish harvesting**

**Cost Estimate: \$150,000 / HB 3234**

- **Enhance enforcement activities regarding shellfish, and collaborate with coastal Indian Tribes**

**Cost Estimate: \$150,000 / HB 3234**



# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Increase Public Education, Outreach, and Enhance Recreational Opportunities:

### **High Priority / Immediate Implementation**

- **Make infrastructure improvements to enhance public access and increase recreational opportunities (parking areas, regulations signs, access trails, stairs, & walkways)**

**Cost Estimate: \$120,000 / HB 3234**

- **Broaden allowable use of ODFW Restoration and Enhancement Fund to improve access to recreational shellfish**

**Cost Estimate: N.A. / HB 2784**



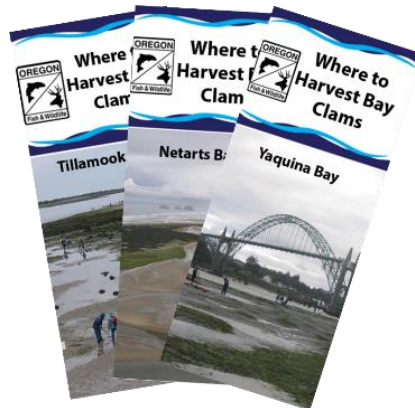
# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Increase Public Education, Outreach, and Enhance Recreational Opportunities:

### High Priority / Long-Term Implementation

- Develop and install shellfish education and outreach signs in cooperation with public schools and ports

Cost Estimate: \$50,000 / HB 3234







# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Assess Populations of Wild Shellfish Stocks:

### **High Priority / Immediate Implementation**

- Conduct more frequent shellfish stock assessment surveys in intertidal and work with contract SCUBA divers for subtidal areas

**Cost Estimate: \$180,000 (1 FTE) / HB 3234**

**Note: OSTF recommendation (3 FTE) = \$420,000**

- Initiate a citizen science program to engage public in shellfisheries monitoring and stock assessments

**Cost Estimate: \$50,000 / HB 2784**



# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Assess Populations of Wild Shellfish Stocks:

### **High Priority / Long-Term Implementation**

- Monitor and analyze recreational and commercial clam fisheries to make timely adjustments to harvest regulations

**Cost Estimate: \$160,000 / HB 3234**

- Review and analyze state and local permits that affect shellfish habitats in intertidal and subtidal areas and incorporate information into resource decisionmaking

**Cost Estimate: \$60,000 / HB 3234**



# Oregon Shellfish Task Force: Priority Recommendations for 2017

## Restore and Enhance Native Shellfish:

### High Priority / Immediate Implementation

- **Conserve and protect populations of native Olympia oysters in collaboration with Oregon coastal Tribes and NGOs**

**Cost Estimate: \$50,000 / HB 3234**





# Oregon Shellfish Task Force: Priority Recommendations for 2017

## High Priority / Immediate Implementation

Total Cost: \$2,520,000

- \$780,000 / HB 2784
- \$1,740,000 / HB 3234

## High Priority / Long-Term Implementation

Total Cost: \$500,000

- \$200,000 / HB 2784
- \$300,000 / HB 3234



# Oregon Shellfish Task Force: Priority Recommendations

**13 additional recommendations to be  
addressed by the Oregon Shellfish Initiative  
over 2018 - 2025:**



**Moderate Priority  
Lower Priority**



**Mid-Term Implementation  
Long-Term Implementation**

**additional recommendations included in  
HB2784 and HB3234**



# Next Steps toward an Oregon Shellfish Initiative: 2017

## 1) Formalize the Oregon Shellfish Initiative

- Recommend executive action or seek legislation
- Organize as a multi-year collaborative public/private partnership

## 2) Designate Representatives

- Create Oversight Committee, coordinated jointly by the Oregon Department of Agriculture and the Oregon Department of Fish and Wildlife

## 3) Garner \$3M in Financial Support

- Additional funds outside agency budgets
- Appropriations needed for high priority recommendations

Additional Comments:

***Svein R Wiese-Hansen***

*Pacific Seafoods*

Shellfish Taskforce Member  
Representing the Shellfish Industry



McCoy's Cove

Tillamook Bay

Larson Cove

Miami Cove

Garibaldi

Sow and Pigs

Crab R...

Bay City

777130

777123

412408

842621

404746

842429

842115

842333

777150

OS 1

OS 1

OS 4

OS 2

OS 5

1994

© 2015 Google

Google earth

Imagery Date: 7/30/2014 45° 31.765' N 123° 55.157' W elev -2 ft eye alt 2280.8 ft



# QUESTIONS:



# Oregon Shellfish Initiative:

*“Don’t Re-invent the Wheel!”*



*“Adapt, Refine,  
and Improve the  
Wheel!”*

