

Regulating Coastal Aquaculture in Washington: A broad overview



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WA Dept. of Ecology, SEA Program

GOOGLE: WA ECOLOGY SMP HANDBOOK

OUTLINE

Challenges

State regulations - shellfish and finfish

Current opportunities

SMA rule changes - Tim Gates, WDOE

SIP Team results - Perry Lund, WDOE

Corps NWP 48 - Pam Sanguinetti, Corps

Proximity to mystery



Adaptive yet effective regulations



Oyster tumbler bags



Video monitoring of feeding fish

Proportional to impacts



Complement vs. confound

AQUACULTURE TOPICS

Species, habitat

Water quality

Sediment quality

Food safety

Disease

Chemicals

Waste

Noxious weeds

Cumulative impacts

Visual, aesthetics

LOCAL SMPs





WDFW

Broad authority for disease and pest control

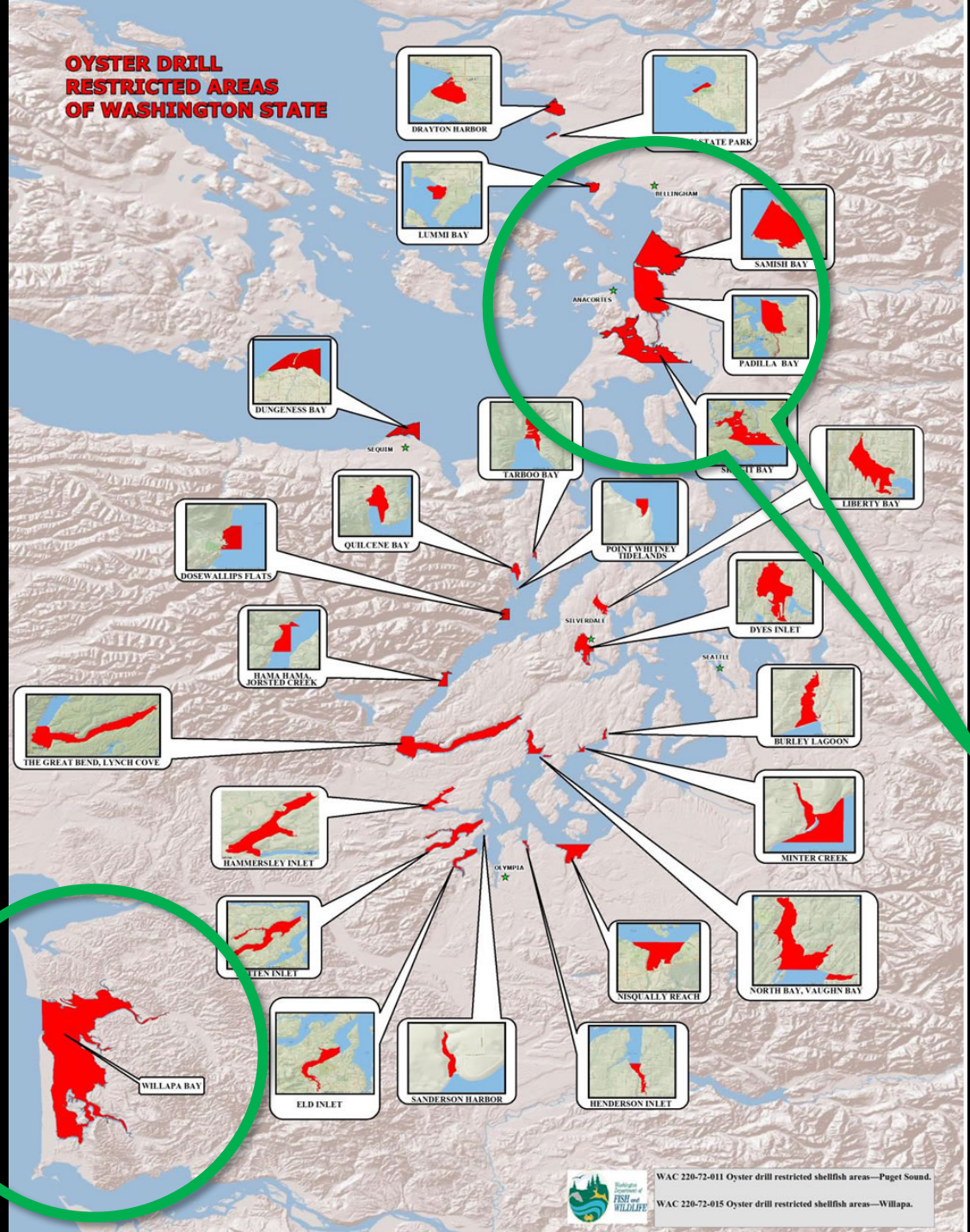
*Joint program with Agriculture
(RCW 77.115.010)*

*May designate restricted shellfish areas
(RCW 77.60.060)*

[Shellfish import and transfer permits](#)

[Fish transport permit](#)

**OYSTER DRILL
RESTRICTED AREAS
OF WASHINGTON STATE**



Willapa
Bay

Oyster Drill



Samish, Padilla
and Skagit Bays



WDOH

Sanitary control

Ch. 246-282 WAC

***Any person who conducts
an aquaculture operation
and is in possession of a
commercial quantity
of shellfish
or any quantity of shellfish
for sale for human
consumption
must meet all requirements
of this chapter.***



...except a hatchery or nursery operation



WARNING

Possible Sewage Overflows
During and Following Heavy Rain

<http://www.ci.port-angeles.wa.us/menu/pubworks.htm>

Questions? Call: 360-417-4845
Regarding CSO #

Bio-toxins

Bacteria

Contaminants

Other pathogens (Norovirus)



Notify growers of outbreaks and problems

Quickly trace bad shellfish to its source

WDOE

Water quality (NPDES) permits for finfish facilities

Ch. 173-221A WAC



Reporting and response plans

- Fish releases
- Chemical use
- Fish biomass and feed

Monitoring

- Sea lice
- Sediment sampling
- Underwater photo survey
- Dissolved oxygen

Google: WA Ecology PARIS NPDES

WDNR

Use Authorization (Lease)

Ch. 79.105 RCW



50% of revenue

Landowner – 2.6 million acres
Fees – collected and reinvested
Leases – 10 years, renewable

CRITERIA

Encourage direct public use and access.

Foster water-dependent uses.

Ensure environmental protection.

Promote continuing production of renewable resources.

Allow suitable lands to be used for mineral and material production.

Generate income from use of aquatic lands, consistent with the previous goals.



DNR “bats” last

Resources

Office for Regulatory
Innovation and Assistance
(ORIA)

Coastal Training Program

- Forage fish survey
- Administering shoreline development permits



Questions?

SMA rulemaking
Tim Gates

SIP Team
Perry Lund

NWP 48
Pam Sanguinetti



SMA RULEMAKING

Shoreline Master Programs

July – Aug. 2016 *Preliminary draft*
Jan. – Mar. 2017 *Proposed rule*
July 2017 *Changes take effect*

Google:
WA Ecology SMA
Rules 2017

Sign up for notices
Access documents
Track progress





**GOOGLE:
WA ECOLOGY SIP TEAM**

SIP TEAM RESULTS

Shellfish Interagency Permitting Team

TEN RECOMMENDATIONS

- 1. State coordinator**
- 2. Centralized mapping and data tracking**
- 3. Consistent, practicable, effective BMPS**
- 4. Address permit timeliness**
- 5. Reach out to growers**
- 6. Assist local governments**
- 7. Assess permit compliance**
- 8. Reduce redundancies; improve coordination**
- 9. Fund this work**
- 10. Designate a lead state agency**

Nationwide Permit 48 Shellfish





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