



AQUATIC FARMING IN ALASKA PRODUCTION YEAR SUMMARY

2014



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Alaska Department of Fish and Game
ASGA Meeting, Ketchikan
November 19, 2015

Overview

- Permitted Operations
- Annual Report Data Source and Link
- Sales and Production
- Seed Acquisitions and Inventory
- Seed Availability
- Workforce
- Updates and Over the Horizon

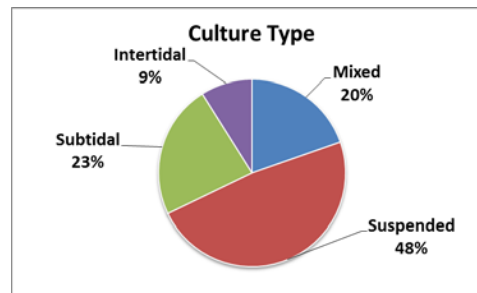
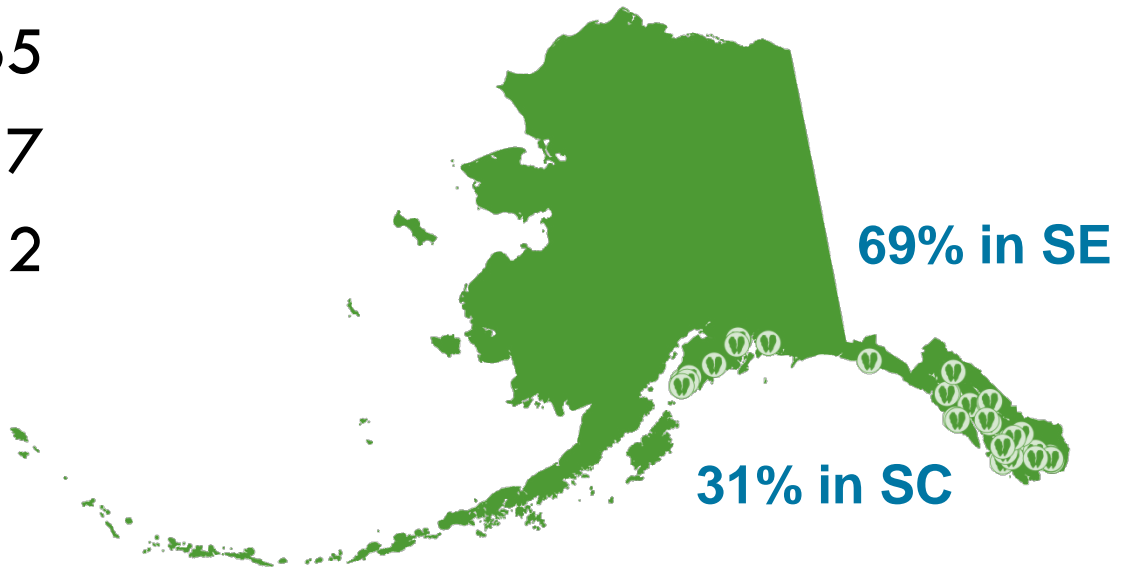
Permitted Operations

All Operations Permitted (74 Total)

Aquatic Farms	65
Nurseries	7
Hatchery	2

Aquatic Farm Size

Range	1-24 acres
Avg.	4.67 acres
Total	304 acres



Summary of Annual Reports

Data Source and Link

- Aquatic farm, nursery, and hatchery 2014 annual reports

 ALASKA DEPARTMENT OF FISH AND GAME	<u>Mail Completed Annual Report to:</u> Mariculture Program Coordinator Alaska Department of Fish and Game Division of Commercial Fisheries P.O. Box 115526 Juneau, AK 99811-5526 Questions? Call (907) 465-6150 (Coordinator) Or (907) 465-6122 (Asst. Coordinator)
STATE OF ALASKA AQUATIC FARMING ANNUAL REPORT OPERATING YEAR 2014	
Refer to general instructions document for details on filling out each section. *** CONFIDENTIAL ***	
PERMIT HOLDER/OPERATOR INFORMATION	
ADF&G Permit No: DFG-04-222-AF-SE DNR Lease: ADL 154321	Site Name: Pacific Bay
Permit Holder: John Q. Farmer Company: JQF Oyster Company Street: PO Box 1234 City/State/Zip: Oyster Village, AK 99999	Contact: Susie Q. Farmer Company: JQF Oyster Company Street: PO Box 1234 City/State/Zip: Oyster Village, AK 99999

- Represents data from 70 operations
- “%” is the change of specific parameter from 2013 to 2014
- Narrative summary in 2014 Annual Mariculture Status Report found online at: <http://www.adfg.alaska.gov/FedAidPDFs/FMR15-42.pdf>

Industry at a Glance

Sales and Production – Aquatic Farms

Another Banner Year for
Sales/Prod

For 28 operations with sales:

Aquatic Farm Sales* = \$870,628 (+ 13%)*

Aquatic Farm Production

1.2 million Pacific oysters (- 1%)

~10,000 lbs of blue mussel & littleneck clam combined (+ 3%)



**Milestone: *Highest Aquatic Farm Sales
Over All Years**

*Farm gate value



Industry at a Glance

Sales and Production – Aquatic Farms

By Product Type

	<u>Sales</u>	<u>Average Price/Unit</u>
Pacific oysters	+ 16%	\$9.60/dz (+ 2%)
Blue mussels	+ 338%	\$5.74/lb (+ 3%)
Littleneck clams	- 93%	\$8.00/lb (+ 34 %)

Average Per Acre - \$7,049/acre (+ 26%)

Industry at a Glance

Added Bonus

More Seed

Sales and Production – Hatcheries and Nurseries

For 6 operations with sales:

Seed Sales* = \$304,174 (+ 93%)

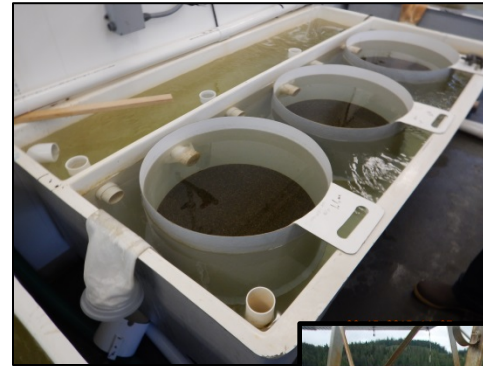
Pacific oysters (+ 114%)

Geoduck clam (+ 26%)

Seed Source Production

6.7 million Pacific oysters (+ 13%)

408,000 Geoduck clam (+ 148%)



**Milestone: Highest Nursery Sales
Over All Years**



Industry at a Glance

Sales and Production – All Operations

For 34 operations with sales:

Overall Sales = \$1,174,802 (+ 27%)*



**Milestone: *Highest Sales For All Operations
Over All Years**



Industry at a Glance

Seed Acquisition and Inventory – Aquatic Farm

Operator Estimates of Primary Stocks

	<u>2014 Seed Acquisition</u>	<u>Inventory</u>
Pacific oyster	6.9 million (+ 107%)	14.5 million (+ 16%)
Geoduck clam	194 thousand (+ 300%)	969 thousand (+ 16%)
Blue mussel (natural set)	13 million (+ 57%)	425 thousand (- 95%)
Littleneck clam (natural set)	None reported	238 thousand (- 69%)

Industry at a Glance

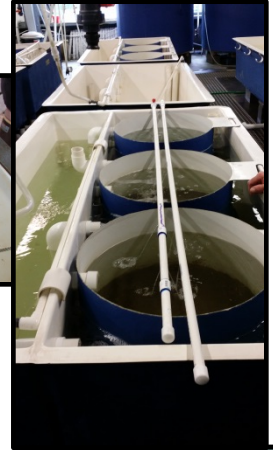
Seed Availability and Imports

Seed Availability for Aquatic Farms

(avg. % max requested on stock transport permit)

More Pacific oyster (+ 62%)

More Geoduck (+ 47%)



Is It Shortages? Quantity, Timing Issues, Financial

Seed stock available (Mar – Nov; 9/12)
and seeing some exports

Oyster Spat Imports

Eyed-larvae¹ 12 million (- 81%)

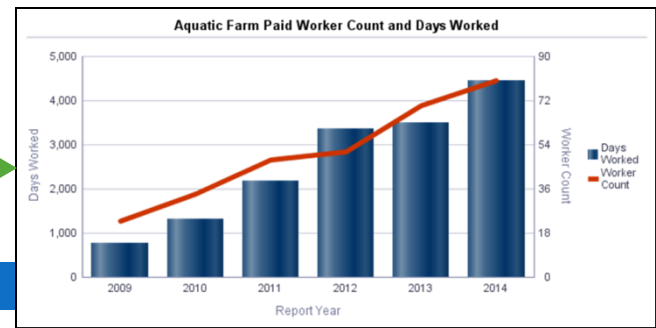
Juveniles^{2,3} 10.5 million (- 1%)

(¹Whiskey Creek, ²Coast Quilcene and ³Hawaiian Shellfish)



Industry at a Glance

Workforce – Aquatic Farm



AF Workforce

Workers 185 (+11%)*

Days Worked 11,345 (+3%)*

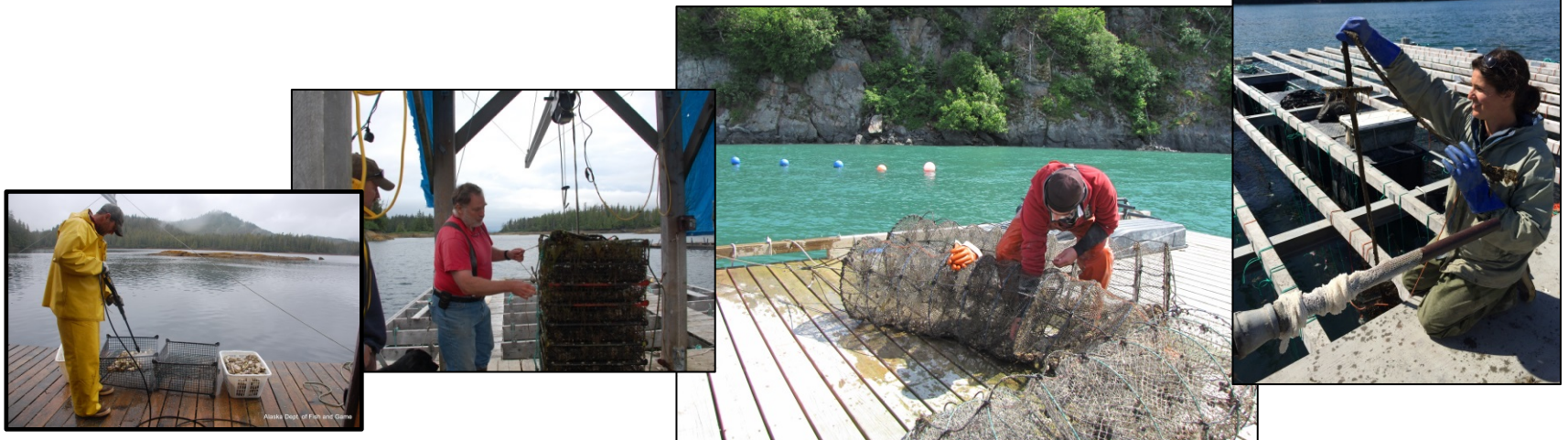


Milestone: *Highest Workforce Nos., Paid Workforce Nos., and Paid Worker Days Over All Years

Paid AF Workforce Only

Workers 80 (+14%)*

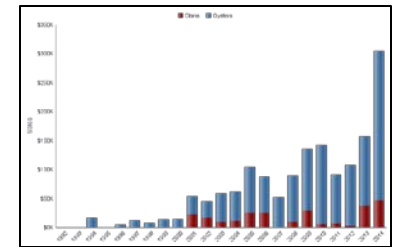
Paid Work 4,448(+28%)*



Helpful Updates and Over the Horizon

- **Follow-up Development Plan Update Request Form**

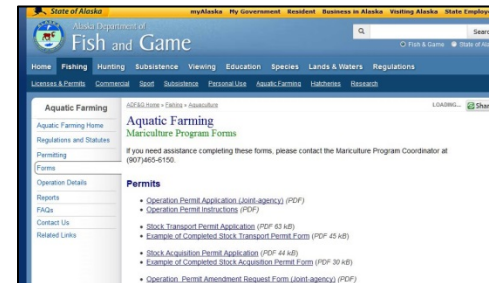
- 32 submitted forms and 28 amendments issued



- **Updated Data and Graphics on Web**

- Added Hatchery and Nursery Data

- **Easy Web Access To All Forms**



- **Annual Report on MS Excel (2016?)**

- Small Pilot Project for 2015
 - Electronic files vs. hard copy
 - Ease of Use and Auto Corrective

Seed Acquisitions				Production, Sales, and Inventory Summary		Months Sold	Comments
Date	TP Permit #	Seed Source	Number of New Seed	Approved Species			
				Total Number Sold		JAN	
				Total Dollar Value		FEB	
				Unit Price		MAR	
				Average Age Sold	MOY(D)	APR	
						MAY	
						JUN	
				Start of Year Inventory		JUL	
						AUG	
				Total New Stock	0	SEP	
				Total Number that Died		OCT	
				Total End of Year Inventory	0	NOV	
						DEC	

- **Seeing More Research Projects in coordination with Operators Using FRP**

- **Support to Industry Despite Dwindling State and Program Resources**

- **Reminder – Submit Completed 2015 Annual Reports by deadline of January 31**

Contacts



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Aquaculture Section
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Juneau, AK 99811-5526
(907) 465-4168 Fax

Program web page: <http://www.adfg.alaska.gov/index.cfm?adfg=aquaticfarming.main>

Permit web page: http://www.adfg.alaska.gov/index.cfm?adfg=aquaticfarming.operations_overview

Thank You for Your Dedication and Hard Work

