

Welcome



NC Sea Grant Shellfish Aquaculture Workshop

8:30-9:40 East Coast Shellfish Growers Association Annual Meeting - LAWSON ROOM

9:40-10:00 Break - Trade Show Open

10:00-10:20 Welcome/Overview of NC shellfish industry & potential for expansion- Chuck Weirich, NC Sea Grant

10:20-10:50 Overview of the DMF shellfish lease program - Valerie Wunderly, NC Division of Marine Fisheries

10:50-11:20 How to use the Shellfish Siting Tool to your advantage - Troy Alphin, UNCW

11:20-12:00 Basic shellfish culture methods and developing a business plan - Chuck Weirich, NC Sea Grant; Jay Styron, Carolina Mariculture; Chris Matteo, Chadwick Creek Oysters

12:00-12:30 NC Shellfish Growers Association and NC Sea Grant sponsored lunch

Lunch Keynote Speaker: Bob Rheault, Executive Director, East Coast Shellfish Growers Association - "History and overview of the shellfish industry on the east coast of the US"

12:30-1:30 NC Shellfish Growers Association Annual Meeting including legislative update by Steve Murphey, NC Division of Marine Fisheries and shellfish breeding research update by Ami Wilbur, Director, UNCW Shellfish Research Hatchery

1:30-2:00 Oyster Crop Budgeting Tool - Karen Hudson, VA Sea Grant

2:00-2:40 Shellfish gear types available with industry supplier panel - Dave Cerino, Carteret Community College; Myron Herzesky, Ketcham Supply; Jon Quigley, Chesapeake Bay Oyster Co.; Johnny Shockley, Hooper's Island Oyster Co.

2:40-3:00 Break - Trade Show Open

3:00-3:40 Marketing your product - Barry Nash, NC Sea Grant; Sarah West, Consumer Concepts; and Lin Peterson and Ryan Speckman, Locals Seafood.

3:40-4:00 Programs available for shellfish growers - Kay Yates, USDA Farm Services Agency

4:00-4:15 The NC Under Dock Oyster Culture Program - Phil Gagnon, Shellfish Gardeners of North Carolina

4:15-4:30 Question and answer session and adjourn - Chuck Weirich, NC Sea Grant



Ketcham Supply Co.



Shellfish Gardeners of NC

Carolina Mariculture



- ✓ Leasing process
- ✓ Site selection
- ✓ Business development and basic culture info
- ✓ NCSGA meeting
- ✓ Research and Legislative updates
- ✓ Budgeting tool
- ✓ Water column gear
- ✓ Marketing
- ✓ USDA programs
- ✓ Shellfish gardening



2015 North Carolina Shellfish Aquaculture Status

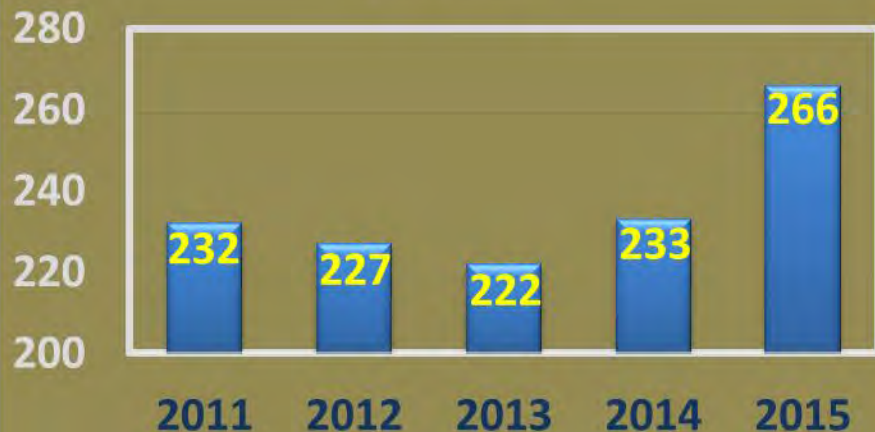
Leases and Acreage



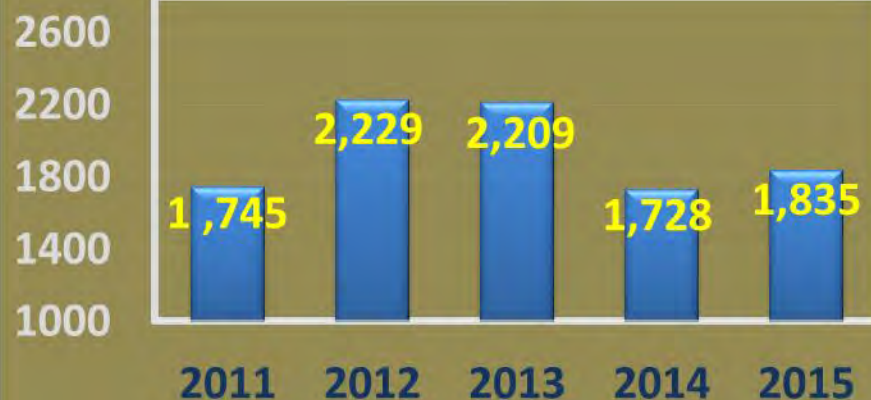
266 Leases (+ 14.2%)

1,835 Acres (+ 6.2%)

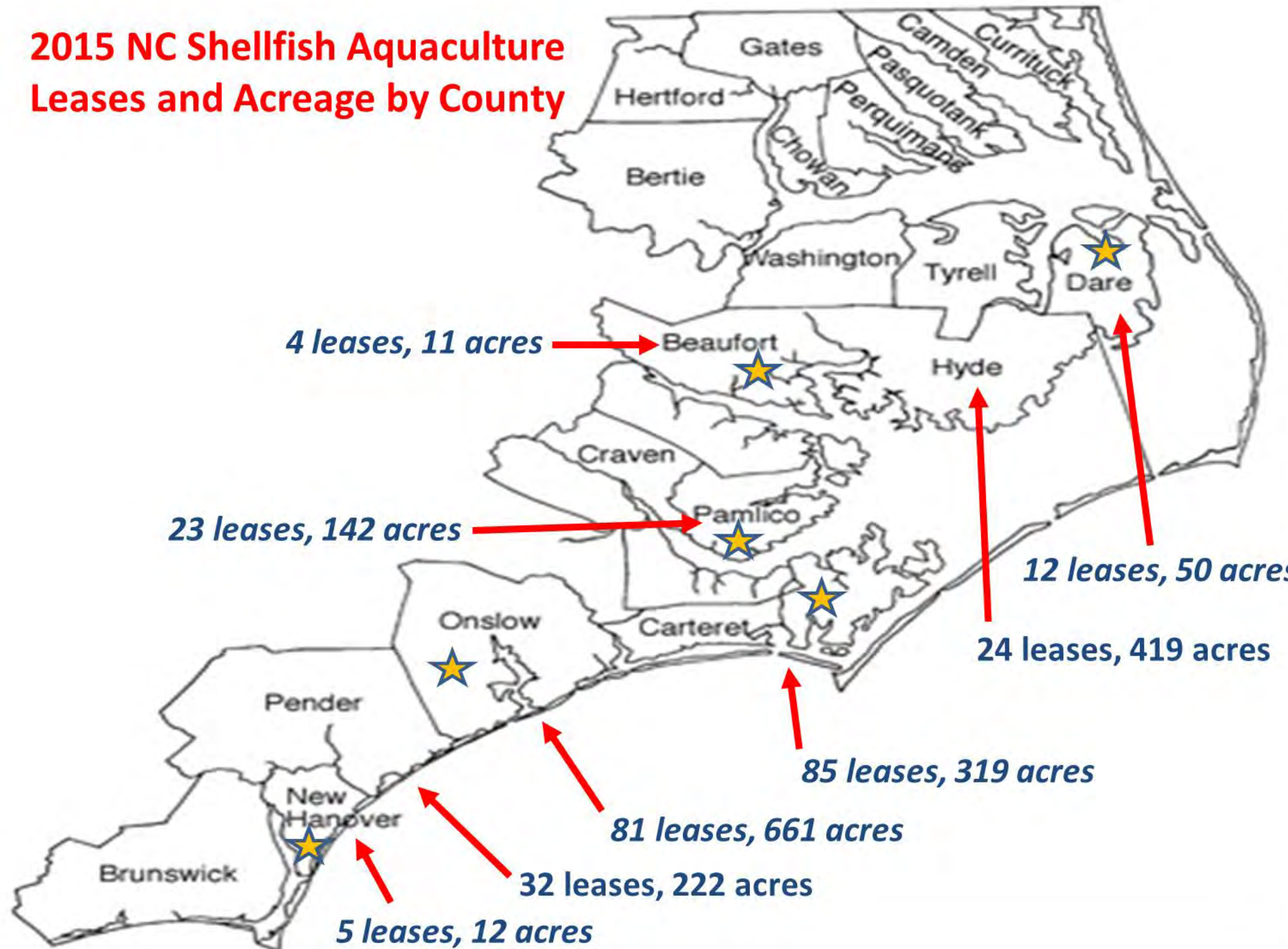
Leases



Acreage



2015 NC Shellfish Aquaculture Leases and Acreage by County

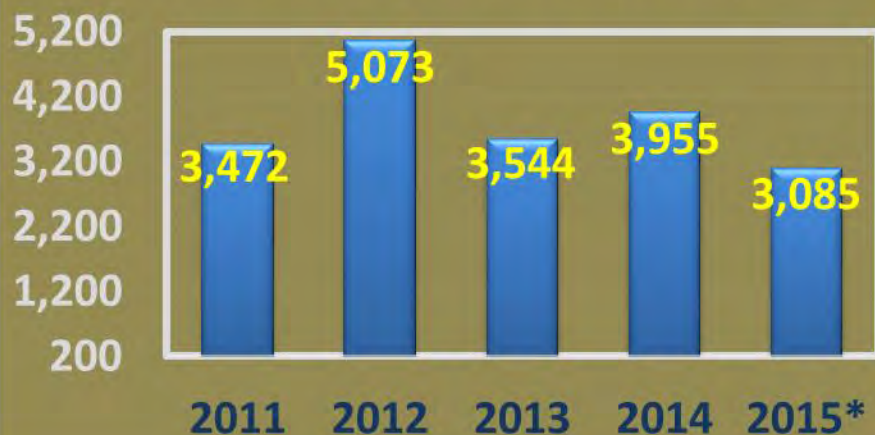


2015 North Carolina Shellfish Aquaculture Status

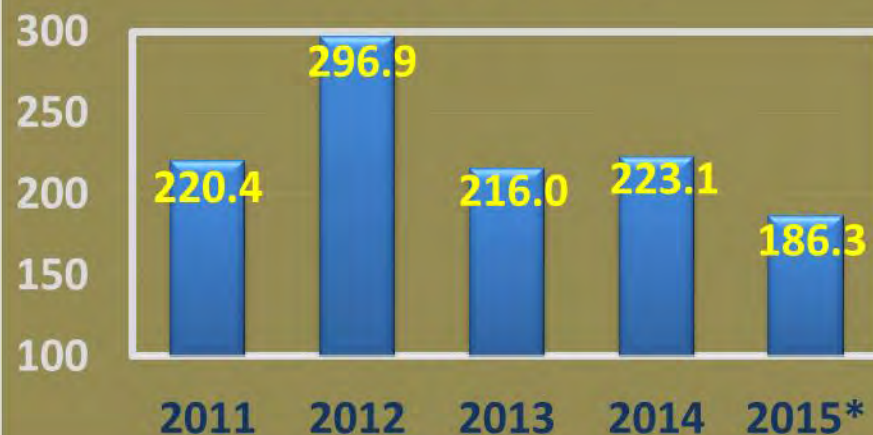
Clam Production and Farm-Gate Value

2014 = 3,955 Bushels (+ 11.6%) \$223,048 (+ 3.3%)

Production (bushels)



Value (1,000\$)

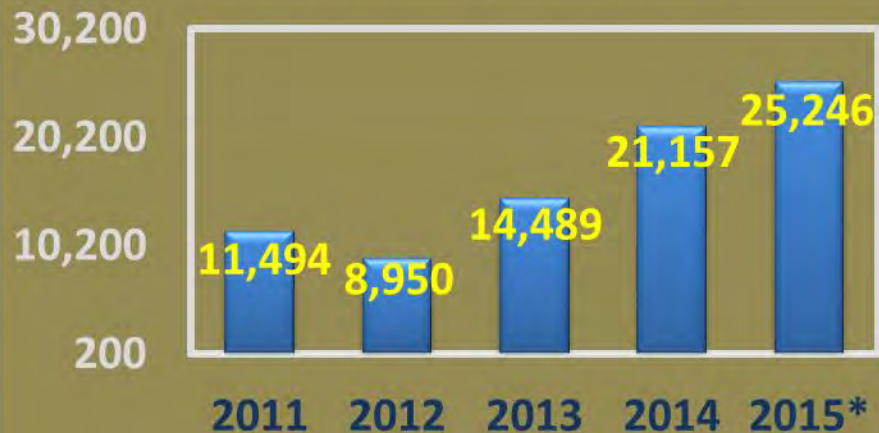




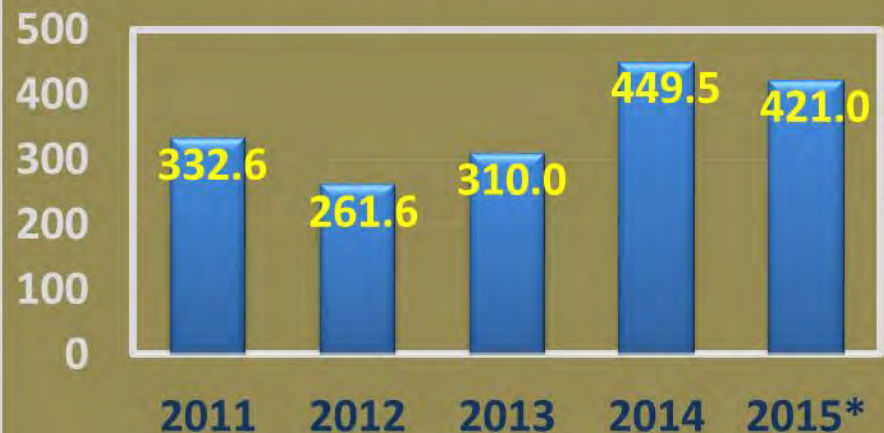
2014 = 21,157 Bushels (+ 46.0%)

\$449,466 (+ 45.0%)

Production (bushels)



Value (1,000\$)

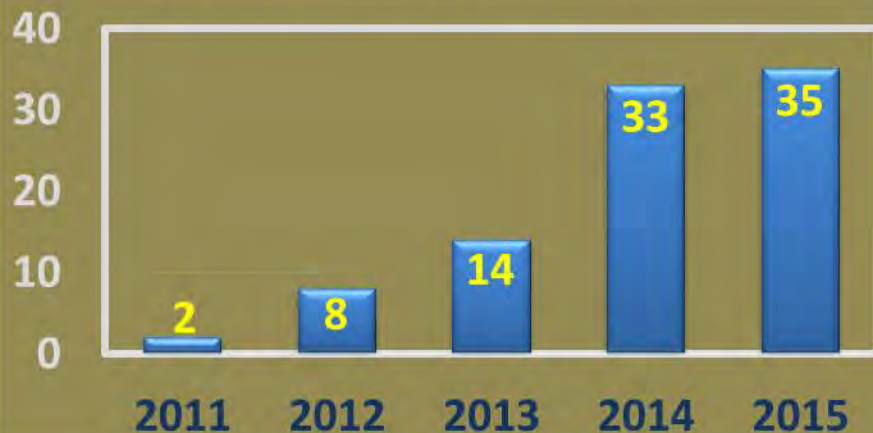


Increased number of leases and acreage devoted to water column leases

2015 – 35 leases (+ 6.1%)
110 acres (+ 8.9%)



Water column leases



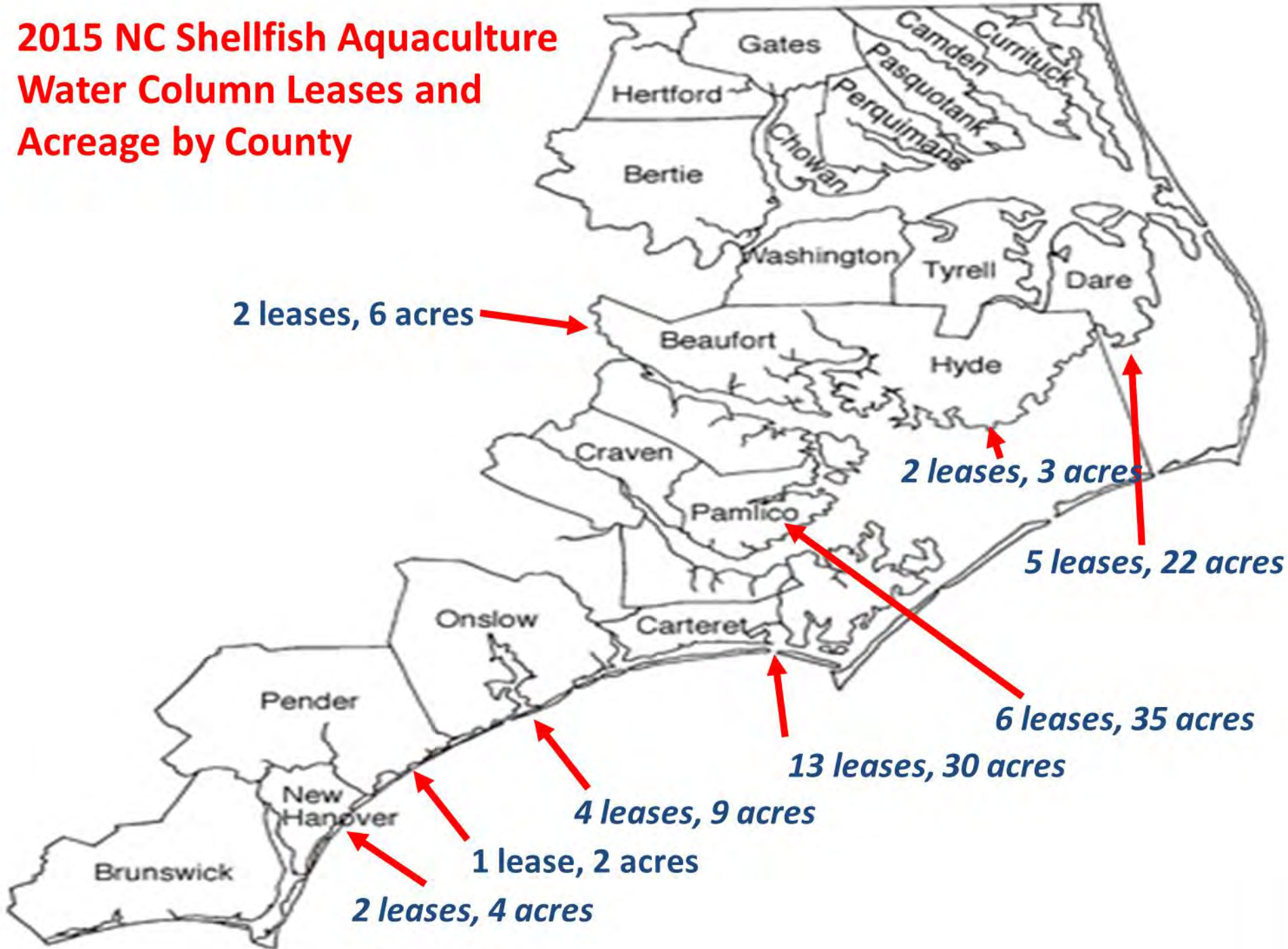
Water column acreage



Intensive culture using containerized systems expanding



2015 NC Shellfish Aquaculture Water Column Leases and Acreage by County

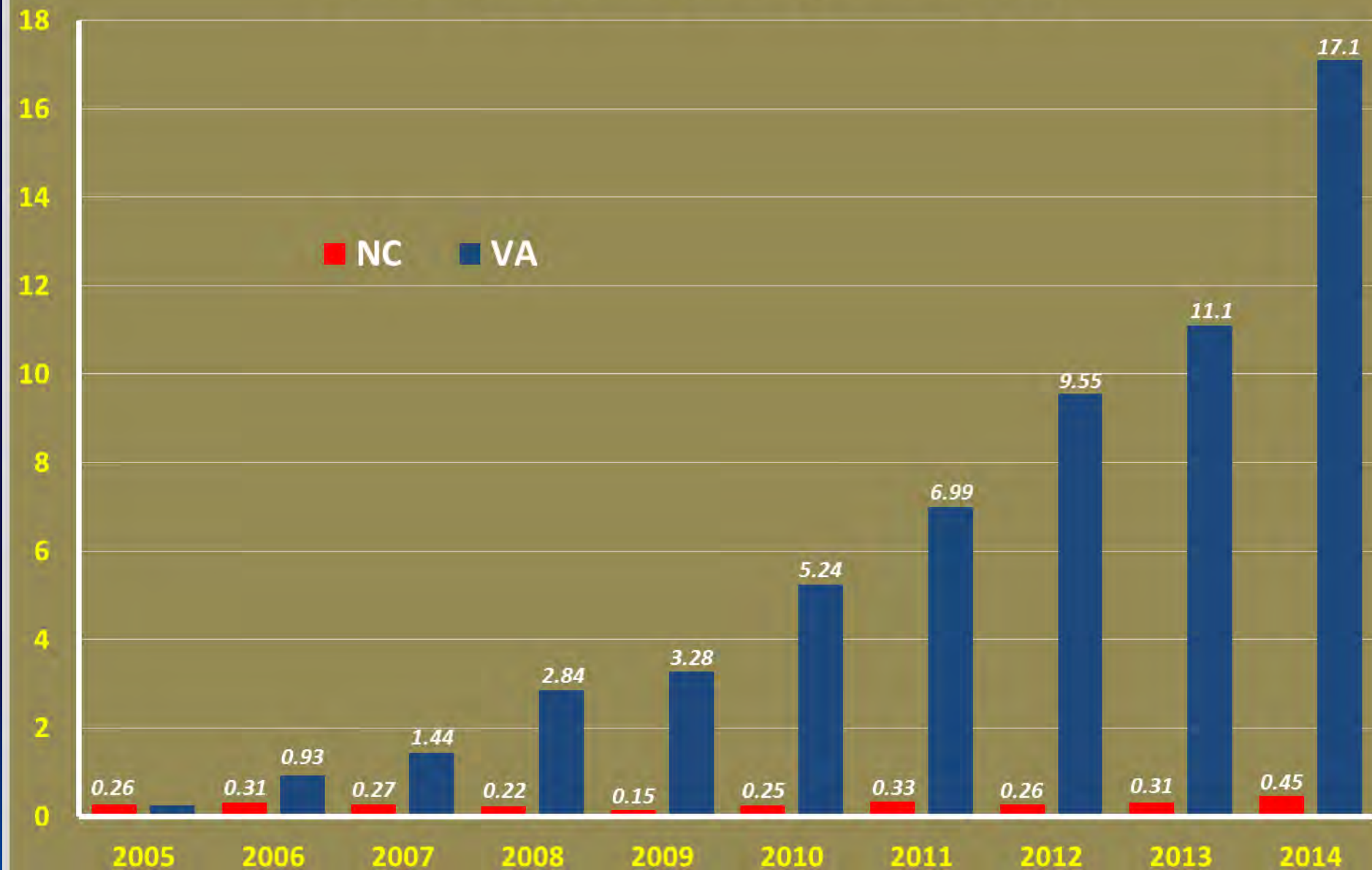


Market for cultured shellfish remains strong and is growing

Significant potential for market development, including value-added products



Farm Gate Oyster Value (millions USD)



Farm Gate Shellfish Value (millions USD)

	North Carolina	Virginia
Clams	0.22	38.8
Oysters	0.45	17.1
Total	0.67	55.9



Why the great potential in NC?

Natural Resources and Markets





Expansion and Diversification of the North Carolina Shellfish Aquaculture Industry

Aquaculture Extension and Technology Transfer Program

Improving Consistency and Quality of Premium Farmed Southern Oysters



✓ Establish demonstration facilities for shellfish aquaculture training and evaluate shellfish production Methods

✓ Evaluate intensive water column oyster production using different gear types and seed produced from broodstock lines developed for North Carolina

✓ Assess the potential of sunray venus clam culture to diversify the state's shellfish industry

✓ Determine shellfish market demand and develop value-added products





Multi –state project (LA, MS, AL, FL, SC, NC)

- ✓ Stocking density
- ✓ Strain evaluation
- ✓ Methods for fouling control





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