

1992 Oyster Roundtable

- Formed by DNR Secretary
- Professionally facilitated
- Membership of widely diverse interests
- Full consensus or no agreement
- "No one gets all; all get some"
- Led to action plan that developed Oyster
 Recovery Partnership, tributary zones,
 managed reserves and other concepts

2003 Task Force on Seafood and Aquaculture

- Created by General Assembly
- Two sections with 40 members
 - -Seafood
 - Aquaculture
- Wide membership base
- 18 month investigation
- Supported by the Maryland Aquaculture Development Conference
- Legislation submitted for 2005 legislature

Analysis of Problems

- Lack of coordination between agencies
- Untimely delays for water column permits
- Historic dislike for private culture
- Constrained by archaic laws and regulations accumulated over years
- Lack of input to highest levels of state government on regular basis
- Previous legislation only defined roles and responsibilities of MDA, DNR, and UMD

Aquaculture Review Board

- State agencies responsible for permitting (Agriculture, Natural Resources, Health, Environment, Board of Public Works)
- Regular meetings keep permits moving
- Pre-application meeting for applicants
- Chaired by Aquaculture Coordinator
 - Coordinate, streamline, track and ensure communications channels are open with applicant at all stages; document agency problems

Aquaculture Coordinating Council

- 17 members
 - MDA, DNR, MDE, DHMH, DBED, NRP, UMCP,
 UMCES, UME, 3 TFL, 3 Industry, House, Senate
- Advisory body to the Governor and legislature
- Annual report to Governor and Environmental Committee Chairs
- Wide range of legislative charges
- Developed Best Management Practices





Lease Law Provisions

- Changed from legislative to regulatory framework for management
- Deleted county prohibitions on leasing
- Allowed corporations to hold leases
- Allowed nonresident leasing
- Deleted acreage limitations
- Replaced with "use or lose" program with oversight monitoring and production requirements

Key Provisions: Other

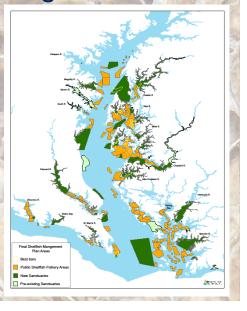
- Planting requirements
 - 1 million seed / acre on 1/4 annually
 - Waiver if unavailable or other factors
 - Requires production plan with application
- Clearance zones
 - 150' from channels, pound nets, marinas, launching ramps and PSFAs
 - 50' from shoreline except by agreement of riparian owner

Public Shellfish Fishery Areas

- Modified Natural Oyster Bars (NOB) to Public Shellfish Fishery Areas (PSFA) which remain reserved for public harvest
- Can be reclassified upon petition and survey weighed against defined criteria
- Determined by past 3 years harvest data and surveying to obtain quantitative information to base decision; regulatory process

MD Shellfish Management Plan

- Expands sanctuaries but allows leasing in them
- Public Shellfish Fishery
 Areas for harvest
- Study areas for testing power dredging
- Expanded technology for theft prevention
- New laws and regulations targeting theft reduction





Oyster Aquaculture Education & Training Program Project 2a

- Three-year UM Extension project
- Classroom and on-site training
- Print and electronic training material
- Oyster Hatchery Short Course
- Annual Aquaculture Conference
- Meshes with ORP Remote Setting Project
- Programs: regional workshops; gear field day; investment seminar; HACCP training; risk management seminars; marketing workshops

Financial Support

- MARBIDCO
 - \$2.2 million between capital and disaster funds
 - Additional fund infusion in 2012
 - Low interest, non-collateralized loans
 - 3 to 4.5% interest; 40% principal forgiveness
- Natural Resources Conservation Service
 - \$1 million in EQIP grant funds
 - Bottom culture for development of habitat
 - Renovate existing substrate
 - Addition of new stabilization substrate
 - Planting seed
- UM Extension provided assistance in developing application and business plans

Remote Setting Training

- Cooperative project with Oyster Recovery Partnership (ORP)
- Integration into training program
- Systems provided for seed production
- 30 tanks, pumps, blowers, plumbing
- 6 current systems loaned in 2 week blocks
- Growers provide cultch and labor
- Free larvae and on-site instruction





2011

- Reorganized state government
- Centralized aquaculture permitting
- Moved positions from MDE and MDA
- Created Aquaculture Division in DNR
 - Headed by Karl Roscher
 - Five staff positions for support
- Regional General Permit 1 from USACOE
 - 50 acre bottom lease
 - 5 acre bottom cages
 - 3 acre surface float
 - 20,000 acre total

2012 Initiatives

- DNR authority to set water column lease application fees and annual rental rate
- DNR authority to set seed and market sizes
- Shorten & combine public notification periods
- Working to shorten permit process to 120 days
- New lease harvester permit procedures
- Access to shell for bottom stabilization and remote setting

New Lease Applications

- Existing leases = 4,900 acres (fm $\sim 7,000$)
- 1,100 + new acres in past year
- Approving at rate of at least 2 per month
- Size 1 to 400+ acres
- 16 applications for sanctuary leases
- Program participation increasing
- Many applicants are watermen

42 Newest

- 23 bottom and 19 water column
- 35 Tidal Fish License holders
- Dorchester 13
 Somerset 3
- St. Mary's 14
- Queen Anne's 4
- Wicomico 3

- Talbot 4
 - Worcester 1



