Karl Roscher, Aquaculture Coordinator Maryland Department of Agriculture

Aquaculture

Water Column

#### **Permitting and Licensing Requirements**



# Hard Clam Aquaculture

August and a light of the

Gordon's Shellfish Worcester County

### Oyster Aquaculture Surface Floats

Choptank Oyster Company Dorchester County

## Oyster Aquaculture Bottom Cages

Tanglet Sound Oyster Company

Somerset Count

# Maryland's Off-Bottom Industry

12 active Water Column Leases
Occupying 30 acres
Utilizing surface floats and bottom cages
Nursery and grow-out production
Value of approximately \$2 million

## •8 new applications under review

Industry Growth

75 acres requested
72 acres requested for cage culture

### Shellfish Aquaculture Permitting and Leasing

- Areas where shellfish are raised commercially are resources owned by the State.
- Use of these resources is a public trust and State policy is that under certain conditions and in certain areas, shellfish aquaculture is an approved use of these resources.
- This requires the temporary assignment of a portion of the public resource for private use.

Jack Bay and Island Creek Aquaculture Enterprise Zones

## Water Column Shellfish

**Aquaculture Leasing** 

In Maryland, this temporary assignment of the public resource is managed by the Board of Public Works through the Tidal Wetlands License/WC Lease

process.

Prior to issuing a lease, the State must evaluate to what extent the project will impact existing resources, public rights and traditional uses of these waters.

### State/Federal Agency Review

Department of Natural Resources
Department of Environment
US Army Corps of Engineers
Board of Public Works

Review coordinated with Maryland Historical Trust, USEPA, NMFS and US fish and Wildlife Service

## **Impacts Reviewed**

Disruption/loss of habitat for aquatic life
Submerged Aquatic Vegetation
Interference with navigation
Conflicts with commercial fishing
Recreational use of waterways
Aesthetics

#### Permits/Licenses/Leases

Department of Natural Resources Aquaculture Permit- \$0 / 5 yrs. Shellfish Import Permit- \$0 / needed to move shellfish into State / annual

Department of Environment/US Army Corps Tidal Wetlands License - \$0 / 10 yrs – Issued by BPW Joint process including USACOE Section 404 permit and Section 401 WQC

#### Maryland Board Of Public Works

Water Column Lease- \$250 application fee / \$500 if hearing is requested \$80 per acre annual lease fee 10 years

### Aquaculture Review Board

- Interagency Board that works with applicants to evaluate and process aquaculture applications.
  - Chaired by MDA-Aquaculture Coordinator
  - Environment, Health and Mental Hygiene, Natural Resources and the Board of Public Works
- Single Point of Contact for Applicants
  - Pre-application meetings
  - Streamlines the application process
  - Clearinghouse for accurate information
  - Coordinated and timely review process

## Homework

Contact the Professionals

 Coordinator-UM Extension-Industry

 Gather information

 ECSGA-Internet-Books-RAC
 Evaluate your personal goals
 Commercial-Income-Time Investment

_eg	end
	Property Owners
۲	Points
	Polygons

500	1,000	2,000
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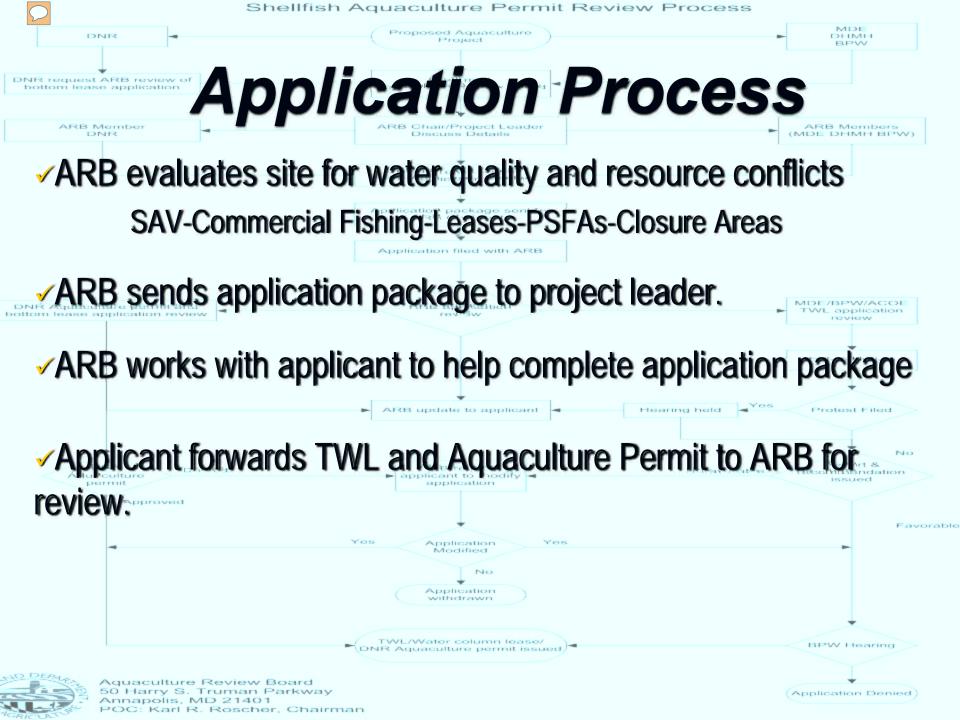
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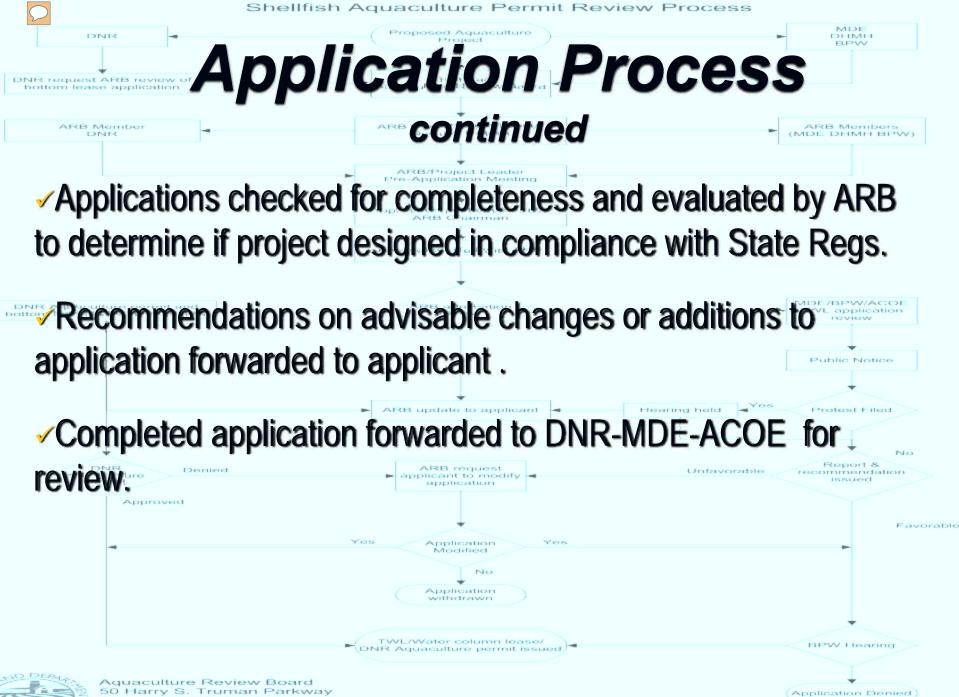


Plan your business » Products-Gear/ Develop site criteria » Size-Location-Access-Protection Select potential sites (Source Water Quality-Limited Use Attend ARB pre-app meeting

_eg	end
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0	500	1,000	2,000	3,000	4,0





50 Harry S. Truman Parkway Annapolis, MD 21401 POC: Karl R. Roscher, Chairman

### **Review Process**

Patience is a virtue

TWL application submitted to MDE/ACOE
Project placed on public notice for 30 days (public hearing)
Review commences with State/Federal resource agencies
Public Hearing held if requested by third party
Resource evaluation completed

### Review Process nearing the end

- Report and recommendation issued to BPW (following WQ)
  R&R sent to interested parties if hearing was held (15 days)
  If appearance before BPW requested-21 day notice required
  Project placed on BPW agenda for a vote
  License issued
- Process can take 10 months to complete

## Conclusions

>Water Column Aquaculture is expanding. >Requires leasing a portion of the public resource. >Plan your business and evaluate project sites. >ARB will help with application process. >State/Federal Officials evaluate impacts. >Review is a time consuming public process. >Be patient. >Maryland supports aquaculture development.

#### **Contact Information**

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