

CATCH SHARES WORKSHOP  
March 16-18, 2010  
Kingsmill  
1010 Kingsmill Road  
Williamsburg, VA 23185  
757-253-1703

**Draft Agenda 3/8/10**

**Tuesday, March 16**

- 10:00 - Noon      Registration
- Noon - 1:00 p.m.      Lunch (provided)
- 1:00 – 1:45 p.m.      Welcome and Introductions
- Welcome - Rick Robins & Lee Anderson (MAFMC Chair and Vice-Chair)
  - Snapshot of MAFMC species and management – Dan Furlong (MAFMC Executive Director)
  - Introduction to Catch Shares – Mark Holliday (NMFS Office of Policy)
    - *Basic elements of design process and policy decisions that should be considered when creating catch shares*
- 1:45 – 2:45 p.m.      Opening Plenary Session: Case studies
- Alaska halibut/sablefish IFQ – Jane DiCosimo (Senior Plan Coordinator, North Pacific Fishery Management Council)
  - Gulf of Mexico red snapper IFQ – Bob Gill (Vice Chair, Gulf of Mexico Fishery Management Council)
- 2:45 - 3:00 p.m.      Open Comment/Questions (Participants & Public)
- 3:00 - 3:15 p.m.      Break
- 3:15 – 5:30 p.m.      Breakout #1  
*[Note: Four groups of participants will rotate through the 4 issues / panels. See list of topics and panelists at the end of the agenda]*
- 6:00 - 7:30 p.m.      Reception

## Wednesday, March 17

7:30 - 8:30 a.m. Breakfast (provided)

8:30 - 10:45 a.m. Breakout #2

10:45 – 11:00 a.m. Break

11:00 – 12:00 p.m. Plenary Session: Data Collection / Monitoring - the Lynchpin for Accountability & Credibility

Panelists from Alaska:

- Jessica Gharrett (Restricted Access Management Program, NMFS Alaska Region)
- Howard McElderry (Archipelago Marine Research)

*[In this session, the panelists will give brief presentations based on experience in Alaska, i.e., review existing data collection and monitoring programs (both fishery dependent and independent programs), highlight how existing programs could be used to support catch share programs, and address cost aspect (who pays?) of additional data collection programs in support of catch share programs]*

12:00 – 1:15 p.m. Lunch (provided)

1:15 - 3:30 p.m. Breakout #3

3:30 - 3:45 p.m. Break

3:45 – 5:15 p.m. Plenary Session: Catch Shares and Recreational Fisheries

Presentation on existing recreational catch share program:

- Alaska halibut for-hire catch share that was designed but not implemented - Jane DiCosimo

Panel discussion on proposed ideas for addressing the recreational sector when commercial catch shares are in place

- Halibut charter fleet in Alaska – Captain Greg Sutter
- Rhode Island recreational charter boat industry – Captain Rick Bellavance (President of the Rhode Island Charter and Party Boat Association)

*[This session will explore two main issues: the use of catch shares in recreational fishery management, and the interaction of a commercial catch share program with the recreational fishery.]*

## **Thursday, March 18**

- 7:30 – 8:30 a.m. Breakfast (provided)
- 8:30 – 10:45 a.m. Breakout #4
- 10:45 – 11:00 am Break
- 11:00 – 12:30 pm Summary Review of Reports from Panel Discussions
- Presentations on each break out session by moderators
  - Open Q&A with Panelists (Participants & Public)
- 12:30 - 1:30 Lunch (provided)
- 1:30 – 2:30 Governance of catch shares: inter-jurisdictional fisheries
- Hear from other regions/fisheries that share similar inter-jurisdictional issues under catch shares management (share a common stock unit, but different governance systems)
    - Virginia Black Seabass Catch Share - Jack Travelstead (MAFMC - Virginia Marine Resource Commission)
  - Discussion panel with representatives
    - Panelists include: MAFMC, ASMFC, NMFS, NOAA General Counsel
- 2:30- 3:30 p.m. Where Do We Go From Here – Discussion led by Rick Robins & Lee Anderson
- 3:30 - 4:00 p.m. Comments / Feedback
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## Breakout Sessions:

1. Economic outcomes of catch shares fisheries: sustaining fishing communities
  - Review examples of catch share fishery outcomes in terms of economic performance and efficiency
  - Address excess capacity and rationalization (costs & benefits of consolidation)
  - Discuss concept of excessive shares

### Proposed Panelists:

- Steve Minor (Executive Director, North Pacific Crab Association)
- Buddy Guindon (Treasurer, Gulf of Mexico Shareholder Alliance)

2. Catch shares as a biological management tool, focusing on intersections between fisheries

- Review the use of catch shares to address bycatch, especially depleted stocks.
- Review the use of catch shares in mixed fisheries
- Discuss practicality of catch based monitoring

### Proposed Panelists:

- Howard McElderry – (Archipelago Marine Research)
- John Henderschedt (NPFMC Member; Participant in Pollock and Whiting fishery and processing)
- Wes Erikson (Fisherman, British Columbia)

3. Allocation

- Highlight policy objectives for allocation decisions
- Review allocation formulas
- Define ownership eligibility
- Compare definition of excessive shares across fisheries

### Proposed Panelists:

- Kate Quigley – (South Atlantic Fishery Management Council Staff Economist)
- Joe Childers (President, United Fishermen of Alaska; vice chair NPFMC AP)
- Bob Gill (Vice Chair, Gulf of Mexico Fishery Management Council)

4. Markets & Long term distribution of shares

- Review means for transferability and leasing of catch shares
- Discuss potential / innovative ways to make quota available (quota banks or community quotas)
- Review and discuss potential mechanisms for permit financing
- Address mechanisms involved when pricing quota shares

### Proposed Panelists:

- Ed Backus (VP, Ecotrust)
- Corbett Grainger (University of California, Santa Barbara)
- Erik Olson (North West Farm Credit Service) (can attend via remote link)

# Kingsmill Directions

## **Address and Phone:**

1010 Kingsmill Road ([Map](#))  
Williamsburg, VA 23185  
800.832.5665

### **Norfolk International Airport (ORF)**

Located 45 minutes east of Kingsmill along Interstate 64 Served by American, Continental, Delta, Northwest, Southwest, United, USAirways. ([map](#))

### **Richmond International Airport (RIC)**

Located 45 minutes west of Kingsmill along Interstate 64 Served by Airtran, American, Continental, Delta, JetBlue, Northwest, skybus, USAirways, United. ([map](#))

### **Newport News/Williamsburg Airport (PHF)**

The closest airport to Kingsmill, only 20 minutes east of Kingsmill along Interstate 64. Served by Airtran, Delta, US Airways Express. ([map](#))

## **Driving Instructions From**

### **Washington DC/Richmond**

Take Interstate 95 South to Interstate 295 South (around Richmond). Then take 295 South to Interstate 64 East towards Williamsburg/Norfolk to Exit 242-A onto 199 West. Follow 199 to the first traffic light, take a left at the light into Kingsmill. The attendant at the security gate house will direct you to the Resort Center. ([map](#))

### **Norfolk/Newport News**

Take Interstate 64 West to Exit 242-A onto 199 West. Follow this to the first traffic light, taking a left at the light, into Kingsmill. The attendant at the security gate house will direct you to the Resort Center. ([map](#))

## **Ground Transportation**

### **By Rail**

Amtrak provides daily service to Williamsburg from Washington, D.C. and points north.

### **By Rental Car**

Major car rental companies are available at three airports. While on property, our Resort Concierge can assist you with any arrangements for a rental car.

1c: List of Participants

MAFMC Catch Share Workshop List of Participants		
Name	Affiliation to MAFMC	Other Affiliation
Richard Robins, Jr.	Council Chairman	VA
Lee Anderson	Council Vice-Chairman	DE
Patrick H. Augustine	Council member	NY
Christopher J. Zeman	Council member	NJ
Eugene J. Kray	Council member	PA
Erling Berg	Council member	NJ
Steven F. Schafer	Council member	NY
Peter L. deFur	Council member	VA
Jule D. Wheatly	Council member	NC
Howard J. King	Council member	MD
Lawrence W. Simms	Council member	MD
Preston P. Pate	Council member	NC
John McMurray	Council member	NY
Jim Gillmore	Council member	NYSDEC
Steven Heins	Council member	NYSDEC
Dave Miko	Council member	PA Fish & Boat Commission
Peter Himchak	Council member	NJ Division of Fish and Wildlife
Richard Cole	Council member	DE DNREC
Harley Speir	Council member	MD DNR
Jack G. Travelstead	Council member	VA Marine Resources Commission
Red Munden	Council member	NC Dept. of Env. and Nat. Res.
Pat Kurkul	Council member	NMFS NERO, Regional Administrator
Vince O'Shea	Council member (non-voting)	ASMFC Executive Director
Dan Furlong	Council Executive Director	
Rich Seagraves	Council Acting Deputy Executive Director	
Dr. Tom Hoff	Council Staff	
Clay Heaton	Council Staff	
Jessica Coakley	Council Staff	
Jason Didden	Council Staff	
Jim Armstrong	Council Staff	
Dr. Jose Montañez	Council Staff	
Dr. John Boreman	Council SSC Chariman	NMFS NEFSC Director (Retired)
Dr. Tom Miller	Council SSC Vice-Chariman	Univ MD
Dr. Martin Smith	Council SSC (Economist)	Duke
Dr. Scott Crosson	Council SSC (Economist)	NC Dept. of Env. and Nat. Res.
Dr. Mark Holliday	Council SSC (Economist)	NMFS Office of Policy

List of Participants (Continued)

Name	Affiliation to MAFMC	Other Affiliation
George Darcy	Management Partner	NMFS NERO, Assistant Regional Administrator
Joel McDonald	Management Partner	NOAA GC
Dr. Nancy Thompson	Management Partner	NMFS NEFSC Director
Monica Medina	Management Partner	NOAA
Bob Beal	Management Partner	ASMFC Staff
Toni Kerns	Management Partner	ASMFC Staff
Robert Boyles	Management Partner	ASMFC (Chairman) (SC DNR)
Bob Ballou	Management Partner	ASMFC (RI DEM)
David Simpson	Management Partner	ASMFC (CT DEM)
A.C. Carpenter	Management Partner	ASMFC (PRFC)
John Pappalardo	Management Partner	NEFMC (Chair)
Rip Cunningham	Management Partner	NEFMC (Vice-Chair)
Paul Howard	Management Partner	NEFMC (Executive Director)
David M. Cupka	Management Partner	SAFMC (Vice-Chair)
Rita Merritt	Management Partner	SAFMC (Catch Share Com. Chair)
Kate Quigley	Management Partner	SAFMC (Staff Economist)
Jeff Reichle	MAFMC Adviser	SMB
Geir Monsen	MAFMC Adviser	SMB
Adam Nuwalski	MAFMC Adviser	Summer flounder
William Egeter	MAFMC Adviser	Scup
Harry Doerte	MAFMC Adviser	Black sea bass
Charles Amory	MAFMC Adviser	Bluefish
Dave Wallace	MAFMC Adviser	SCOQ
Laurie Nolan	MAFMC Adviser	Tilefish
Chris Walker	MAFMC Adviser	Dogfish
Kevin Wark	MAFMC Adviser	Monkfish
Dr. Troy Hartley	Management Partner	Virginia Sea Grant
Tom Murray	Management Partner	Virginia Sea Grant

**Mid-Atlantic Catch Shares Workshop Panelists**  
**Compiled by Fisheries Leadership and Sustainability Forum**  
**March 16-18, 2010**

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**Ed Backus**

Vice President, Fisheries  
Ecotrust  
PO Box 2330  
Newport, OR 97365  
(503) 939-5500  
[ebackus@ecotrust.org](mailto:ebackus@ecotrust.org)

Edward Backus lives in Newport, Oregon. He oversees the Marine, Copper (Alaska) and Skeena River (British Columbia) watershed and State of the Salmon programs. He is founder and chair of the North Pacific Fisheries Trust, a \$6 million community fisheries quota revolving loan fund, and an Ecotrust subsidiary. Ecotrust's marine activities focus on the analysis of the social and economic effects of fisheries management, developing capital strategies for communities to accumulate equity in the tradable assets of fishing, while providing intensive analysis of the status of fisheries resources and conservation options. He has worked on community economic development teams with Shorebank Enterprise Cascadia, an Ecotrust founded organization. Edward has a background in conservation planning and information systems, tropical forest conservation, seabird ecology, and commercial fishing. He is past-chair and a member of the board at the Prince William Sound Science Center (AK), chair of the board of the Alaska Sustainable Fisheries Trust, and a conservation committee member of the Sea Change Investment Fund. He was the co-director of conservation planning at Conservation International from 1987–1993. Ed received his M.F.S. from the Yale School of Forestry and Environmental Studies and a B.S. in wildlife biology from the University of Vermont, School of Natural Resources. He was born and raised in a marine science family in Woods Hole, Massachusetts and fished commercially out of Nantucket in the early 1980's.

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**Rick Bellavance**

President  
Rhode Island Charter and Party Boat Association  
(401) 741-5648  
[makosrule@verizon.net](mailto:makosrule@verizon.net)

Capt. Rick has been fishing recreationally and commercially for 30 years. Along with his Dad, he owns and operates Priority Fishing Charters based in Point Judith, Rhode Island. Rick is a member of the Rhode Island Marine Fisheries Council and sits on the NMFS Highly Migratory Species Advisory Panel, New England Fishery Management Council Multi Species

Recreational AP, Atlantic Coast Cooperative Statistics Program AP, and Atlantic States Marine Fisheries Commission APs for summer flounder, black sea bass, and scup. Rick is the President of the Rhode Island Party and Charter Boat Association, a group of 65 charter and party boat operators who are looking into the applicability of a catch share program for the recreational for hire sector.

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**Joe Childers**

Fisherman  
President, United Fishermen of Alaska  
(907) 723-5257  
[jmchilders@gmail.com](mailto:jmchilders@gmail.com)

Joe Childers is a lifelong professional commercial fisherman who has participated in Alaska salmon, crab, herring, halibut, blackcod, groundfish, and shrimp fisheries and currently fishes in the salmon troll fishery from Juneau and Sitka, the Bristol Bay salmon fishery, and the Bering Sea sablefish fishery. He served as UFA Vice President from 2004 to 2007 and as President from 2007 to the present. Childers also serves as vice chair of the Advisory Panel of the North Pacific Fishery Management Council.

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**Jane DiCosimo**

Senior Plan Coordinator  
North Pacific Fishery Management Council  
(907) 271-2809  
605 W. 4<sup>th</sup> St.  
Anchorage, AK 99501  
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Jane DiCosimo began her career with the Virginia Marine Resources Commission in 1985 as the first Oyster Fishery Management Plan coordinator. She worked as a fishery management plan coordinator with the South Atlantic Fishery Management Council in Charleston, SC from 1987 to 1994. She is the Senior Plan Coordinator with the North Pacific Fishery Management Council in Anchorage Alaska. Her primary responsibilities are to provide Environmental Assessments/Regulatory Impact Reviews/Initial Regulatory Flexibility Assessments in support of FMP and regulatory amendments to the Bering Sea/Aleutian Islands Groundfish FMP and Gulf of Alaska Groundfish FMP and regulatory amendments to manage Pacific halibut. Her principal duties include preparing analyses for amendments to the Commercial Halibut and Sablefish Individual Fishing Quota (IFQ) Program, Limited Entry and IFQ Programs for the guided sport halibut fisheries, and early development of a catch share

approach for managing Gulf of Alaska groundfish fisheries. She has a B.A. in zoology from Rutgers University and a M.A. in marine science from the Virginia Institute of Marine Science.

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### **Wes Erikson**

Fisherman  
British Columbia  
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Wes Erikson is an active fourth generation commercial fisherman. He has fished for halibut, herring, salmon, rockfish, lingcod, skate and sable fish along the entire British Columbia coastline and proudly serves his own seafood and selects seafood from local fishermen who share his commitment to quality and sustainability.

Wes has been involved in the fisheries advisory process for over 20 years and has recently been a halibut representative on the Commercial Industry Caucus (CIC) implementing the pilot integrated ground fish strategy. As a result of this program the BC ground fish fishery is now considered the best-managed commercial fishery in the world and Wes is proud to tell his customers that the fish we serve is

“harvested sustainably and locally”.

Wes has grown up cooking on his fathers boat. From a very early age he was given the job of boat cook, which helped to developed his passion for food preparation. Working on active commercial fishing boats, with a variety of seafood of the highest quality has given Erikson an intimate knowledge of local seafood.

Erikson trained at the Islander restaurant in Plettenburg Bay South Africa between 1991-93 and has trained under accomplished Japanese chefs including Saturo Ogawa and Kyoichi Tanaguchi. Erikson has owned an operated Japanese Restaurants since 1994.

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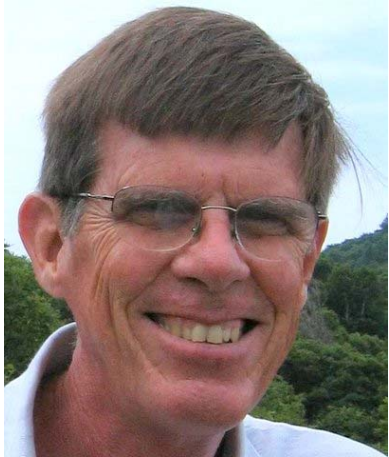


### **Jessica Gharrett**

Program Administrator  
Restricted Access Management (RAM) Program  
NOAA Fisheries/NMFS  
Alaska Regional Office  
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Jessica Gharrett is currently the Program Administrator for the Restricted Access Management (RAM) program with the NOAA Fisheries Alaska Regional Office. The RAM program manages permit programs in the Alaska region, including the Pacific halibut and sablefish IFQ program. Jessica has been with the Alaska Regional Office for 23 years and has worked with the RAM program for 15 years. She became the RAM Program Administrator in 2006. Prior to joining the Alaska Regional Office Jessica spent ten years at the Auke Bay Laboratory. She holds a Bachelor of Science degree in Fisheries from Oregon State University, and a Masters of Science in Fisheries from the University of Alaska

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### **Bob Gill**

Gulf of Mexico Fishery Management Council

**Contact Information:**

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[shrimplanding@embarqmail.com](mailto:shrimplanding@embarqmail.com)

(352) 795-1916

Bob Gill is a member of the Gulf of Mexico Fishery Management Council and the co-owner of Shrimp Landing, a wholesale and retail seafood business in Crystal River, Florida. He has been involved in the seafood industry since 2001 and currently serves on the Board of Directors for the Southeastern Fisheries Association, Inc., and Organized Fishermen of Florida.

Bob holds a B.S. from the U.S. Naval Academy and earned his Masters of Science in Mechanical Engineering from the Massachusetts Institute of Technology, and began his career as an engineering officer for the U.S. Navy.

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### **Corbett Grainger**

University of California, Santa Barbara

[grainger@econ.ucsb.edu](mailto:grainger@econ.ucsb.edu)

BIO: Corbett Grainger is a PhD candidate in Economics at University of California, Santa Barbara. His research focuses on the effects of environmental regulations, property rights and legal institutions. He is currently studying the effects of stronger property rights on ITQ prices, the determinants of permit and ITQ prices, and the effect of environmental changes on the value of catch shares.

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## **Buddy Guindon**

Keith “Buddy” Guindon of Galveston, Texas is not your average fisherman. He grew up in Minnesota and drove south until he couldn’t drive anymore, and then he jumped into a fishing boat to go further. Buddy started red snapper fishing with bandit rigs in the late seventies, but has switched over to

longline for grouper in the nineties. He owns a wholesale and retail market named Katie’s Seafood market, which was recently named Galveston County small business of the year, and the marina named Pier 19. He is president of the Mosquito Fleet, a fishing organization based around Galveston Bay and is treasurer of the Gulf of Mexico’s Reef Fish Shareholder’s Alliance.

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## **John Henderschedt**

### **North Pacific Fishery Management Council**

Phoenix Processor Limited Partnership

111 West Harrison

Seattle, WA 98119

[johnh@prempac.com](mailto:johnh@prempac.com)

(206) 286-8584

John is currently the Vice President of Phoenix Processor Limited Partnership, owner of the AFA pollock mothership processor OCEAN PHOENIX. In addition to his involvement in the fisheries management process, John is responsible for mothership fleet cooperative quota tracking, safety and security management, food safety programs, regulatory compliance, and

special projects related to OCEAN PHOENIX operations. He is part of the management team responsible for the company’s strategic planning and business development.

Prior to his employment with the OCEAN PHOENIX, John was employed as Director of Operations at Golden Age Fisheries and managed special projects for the Groundfish Forum, a trade association for catcher processors. He started his career in Alaska fisheries as an at-sea representative and interpreter for Russian joint venture Bering Sea fishing operations in the mid-eighties.

In his free time, John enjoys travel, cooking, and bicycling.

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**Mark Holliday**

Director  
Office of Policy  
NOAA Fisheries/NMFS  
SSMC3 Room 14451  
1315 East-West Highway  
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(301) 713-2239, x120  
[mark.holliday@noaa.gov](mailto:mark.holliday@noaa.gov)

Dr. Holliday serves as the Director of the NOAA Fisheries Office of Policy, after helping re-establish the function in the Directorate in 2003. His prior service to the Agency includes an 11-month detail as the Chief Financial Officer/Chief Administrative Officer in 2002, and a career progression in the Office of Science and Technology beginning in 1981 and ending as Chief of the Fisheries Statistics and Economics Division.

During his tenure he helped organize or lead NOAA-wide strategic initiatives in the planning and formulation of budgets, and created new programs in information technology, social sciences, and fisheries-dependent observing systems. His training includes a wide range of disciplines, including fisheries biology and resource economics. He received his Ph.D. in marine studies in 1981 from the University of Delaware, and holds a master's degree in marine and environmental science from Long Island University and a bachelor's degree in biology from SUNY at Stony Brook.



**Howard McElderry**

Archipelago Marine Research, Ltd.  
[www.archipelago.ca](http://www.archipelago.ca)  
British Columbia  
(250) 383-4535  
[howardm@archipelago.ca](mailto:howardm@archipelago.ca)

Howard McElderry received his M. Sc. in marine biology in 1980 from the University of Victoria, BC, Canada. He is a founding member of Archipelago Marine Research Ltd. and has been a senior partner in the firm for 30 years. Howard has worked extensively in the field of commercial fisheries monitoring and analysis and played a lead role in the development of Archipelago's at-sea observer programs and shore-based monitoring programs. Over the past ten years Mr. McElderry has led the development of Archipelago's electronic monitoring programs, a technology-based approach for provision of at-sea monitoring. Howard was the chair of the 2007 International Fisheries Observer Conference in Victoria, British Columbia, Canada.



**Steve Minor**

(360) 440-4737

[Steve@Wafro.com](mailto:Steve@Wafro.com)

Steve has been involved in the commercial fisheries off the coast of Alaska since 1977, when he first went north as a commercial diver to harvest herring roe on kelp (Kazunoko kumbo) between semesters at Simon Fraser University in British Columbia, Canada. Since the mid 1980's Steve has worked (as managing partner of Waterfront Associates LLC) with several fisheries-dependent Alaska communities and directly with fishing companies and fishing-related trade associations on a range of projects from ports and harbors infrastructure development to the establishment of a major Bering Sea fishing cooperative and the management of one of Alaska's Community Development Quota (CDQ) organizations. While working with the Aleut community of St. Paul Island in the Bering Sea, he developed the community protection measures that are now a major characteristic of the Bering Sea Crab Rationalization Program. Since 2006, Steve has been the Executive Director of the North Pacific Crab Association; he has also served as Chairman of the Pacific Northwest Crab Industry Advisory Committee since 2004 and Chairman of the Communication Committee for the Marine Conservation Alliance since 2007.



**Kate Quigley**

Fishery Economist

South Atlantic Fishery Management Council

(843) 571-4366

[kate.quigley@safmc.net](mailto:kate.quigley@safmc.net)

Kate Quigley is the fishery economist for the South Atlantic Fishery Management Council. She received her Master's degree from the University of Florida and worked on her doctoral degree at Oregon State University developing a bioeconomic model for a New Zealand scallop fisherman's corporation. She is currently working with snapper grouper, golden crab, and wreckfish fishermen in the South Atlantic to help them craft endorsement and catch share programs. She also worked in Seattle for the National Marine Fisheries Service to provide analysis of the groundfish trawl fishery and the catch share program devised there.

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**Jack Travelstead**

Deputy Commissioner and Chief of Fisheries Management

Virginia Marine Resources Commission

Phone: (757) 247-2247

Fax: (757) 247-2002

Jack has been with the Virginia Marine Resources Commission since March 1981 and has been Fisheries Chief since July 1984. He is also the deputy commissioner of the agency. He is responsible for management of the state's saltwater fisheries, both finfish and shellfish, recreational and commercial.

His department sets the size, season and creel limits for a variety of saltwater species and creates management plans to achieve and maintain sustainable fisheries, working closely with the National Marine Fisheries Service. The department also manages the state's extensive artificial reef system, water access projects and the popular Saltwater Fishing Tournament, which tracks and awards plaques for remarkable catches.

He earned Bachelor's degree in Biology from Old Dominion University and a Master's of Art in Marine Science at the College of William and Mary.



## **Mid-Atlantic Catch Share Workshop Scoping Survey**

### **Final Results**

The following results are from a scoping survey distributed to the invited participants of the MAFMC workshop on catch share management to be held March 16-18, 2010. The data represent survey responses collected between January 18, 2010 and February 10, 2010, during which time 34 responses were collected (a 54% response rate of invited participants).

This document is intended to communicate the results of the survey to workshop participants and provide insight into the development of the workshop agenda. There are four sections to the survey: Introduction, Catch Share Informational Needs, Learning from Existing Catch Share Programs and Defining Catch Share Opinions/Perceptions. Questions are presented in the same order as the original survey with results following each question. Responses have been combined to protect the privacy of respondents and to reflect trends in survey.

If you have questions or comments you would like to share about the survey, please contact Rick Robins or Amy Kenney.

Rick Robins  
Chairman, Mid-Atlantic Fishery Management Council ([www.mafmc.org](http://www.mafmc.org))  
[richardbrobins@gmail.com](mailto:richardbrobins@gmail.com)  
757-876-3778

Amy Schick Kenney  
Co-Director, Fisheries Leadership & Sustainability Forum ([www.fisheriesforum.org](http://www.fisheriesforum.org))  
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240-338-5874

*\*\* The following introduction was provided with the survey, and included here for background and context.*

### Section 1: Introduction

The Mid-Atlantic Fishery Management Council (MAFMC) is hosting an educational workshop (tentatively March 16-18, 2010) on catch shares in cooperation with the Fisheries Leadership & Sustainability Forum, the Atlantic States Marine Fisheries Commission (ASMFC), and the National Marine Fisheries Service (NMFS). The following survey is intended to help the MAFMC and its partners design the workshop to meet the informational needs of the workshop participants. The information gathered in the survey will be used to develop the format and agenda of the workshop and the results will be summarized in a handout at the workshop. Your participation will help us to provide an effective and meaningful opportunity to examine catch shares as a management tool.

The survey will take approximately 10 minutes to complete. Although you are free to skip questions, or stop taking the survey at any time, we appreciate your response to every question—there are no correct or incorrect responses. At the end of the survey, there is a place where you can provide your name if you wish to engage in further dialogue regarding the development of the catch share workshop. If you are willing to participate in this survey, please select “next” at the bottom of the screen.

Thank you in advance for your participation. Kimberly Gordon, a Fisheries Forum intern and Duke Masters Candidate will be managing the technical aspects of the survey. If you have any technical difficulties she can be reached at [kimberly.a.gordon@duke.edu](mailto:kimberly.a.gordon@duke.edu) or 252-504-7677.

Sincerely,

Rick Robins and Amy Kenney

## Section 2: Catch Share Informational Needs

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For questions 1-6, a simple index was used to calculate the overall strength of the response to each answer choice. Responses indicating the most desired were given a high weight, and those least desired were given a low weight. For example:

Ranking of 1 = Weight of 6

Ranking of 2 = Weight of 5

Ranking of 3 = Weight of 4

Ranking of 4 = Weight of 3

Ranking of 5 = Weight of 2

Ranking of 6 = Weight of 1

Responses for each ranking were multiplied by the appropriate weight; those weighted values were then summed across each answer choice and divided by the number of responses to yield a weighted ranking. A table with the raw data follows each graph.

The purpose of presenting the data in this fashion is that it transforms the most desired answer choices to have the highest numerical response, which presents more visually intuitive representation of the responses.

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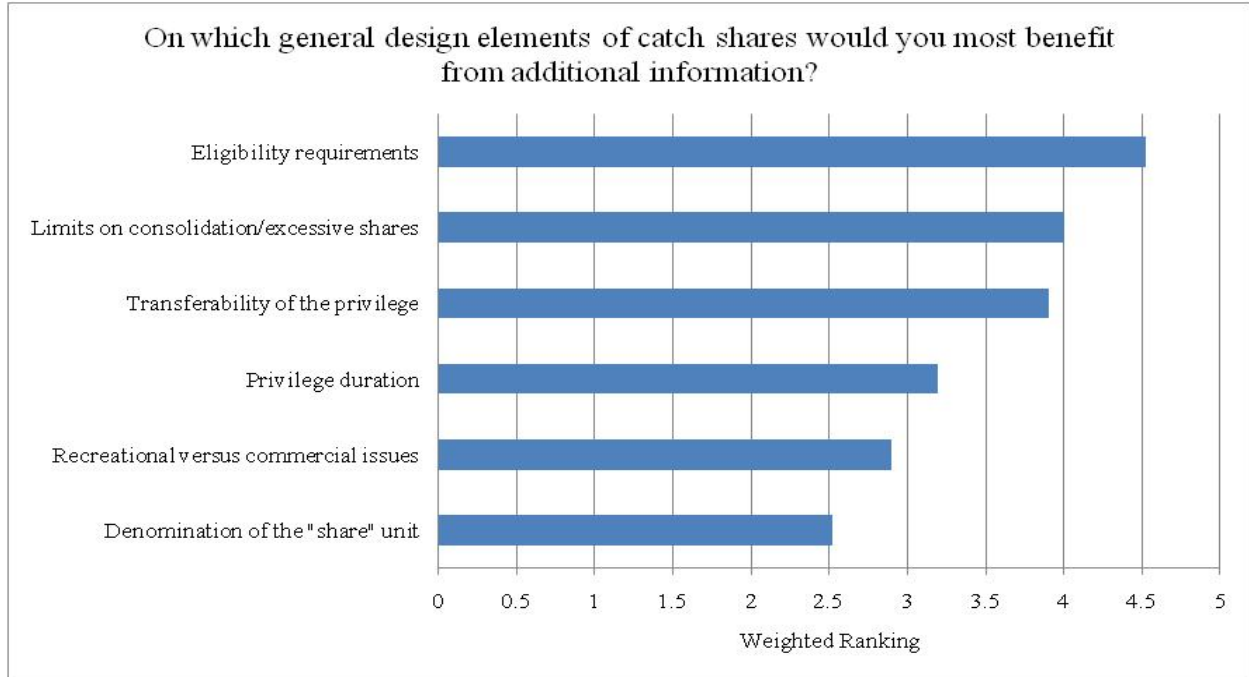
1. On which *general design elements* of catch shares would you most benefit from additional information?

**Top 3:**

**1. Eligibility requirements**

**2. Limits on consolidation/excessive shares**

**3. Transferability of the privilege**



Answer Options	1	2	3	4	5	6	Response Count
Privilege duration	4	3	5	6	9	4	31
Denomination of the "share" unit	1	4	1	5	10	8	29
Eligibility requirements	13	3	5	7	3	0	31
Transferability of the privilege	2	10	10	4	2	3	31
Limits on consolidation/excessive shares	6	9	7	3	3	4	32
Recreational versus commercial issues	5	3	2	6	4	11	31
<i>answered question</i>							<b>32</b>
<i>skipped question</i>							<b>2</b>

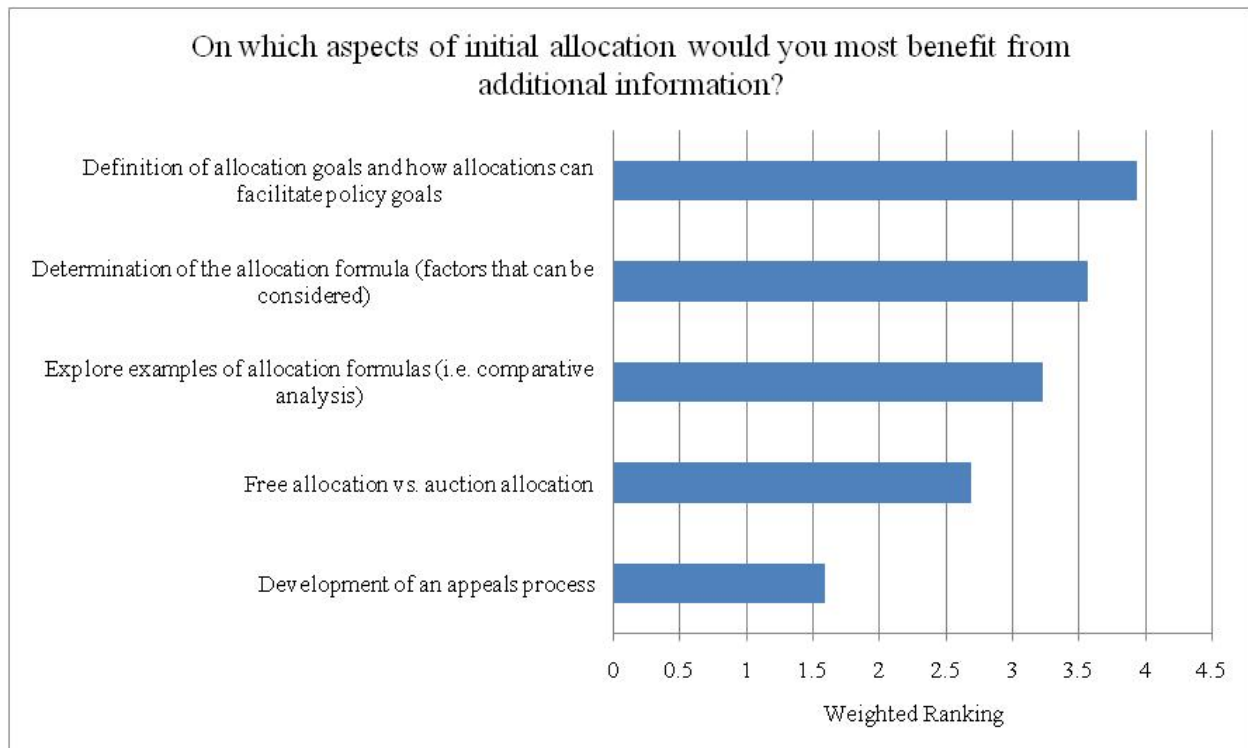
2. On which aspects of *initial allocation* would you most benefit from additional information?

**Top 3:**

**1. Definition of allocation goals and how allocations can facilitate policy goals**

**2. Determination of the allocation formula (factors that can be considered)**

**3. Explore examples of allocation formulas (i.e. comparative analysis)**



Answer Options	1	2	3	4	5	Response Count
Definition of allocation goals and how allocations can facilitate policy goals	16	5	3	3	3	30
Determination of the allocation formula (factors that can be considered)	6	9	12	2	1	30
Free allocation vs. auction allocation	4	3	6	12	4	29
Development of an appeals process	0	2	3	5	19	29
Explore examples of allocation formulas (i.e. comparative analysis)	4	11	6	8	2	31
<i>answered question</i>						<b>31</b>
<i>skipped question</i>						<b>3</b>

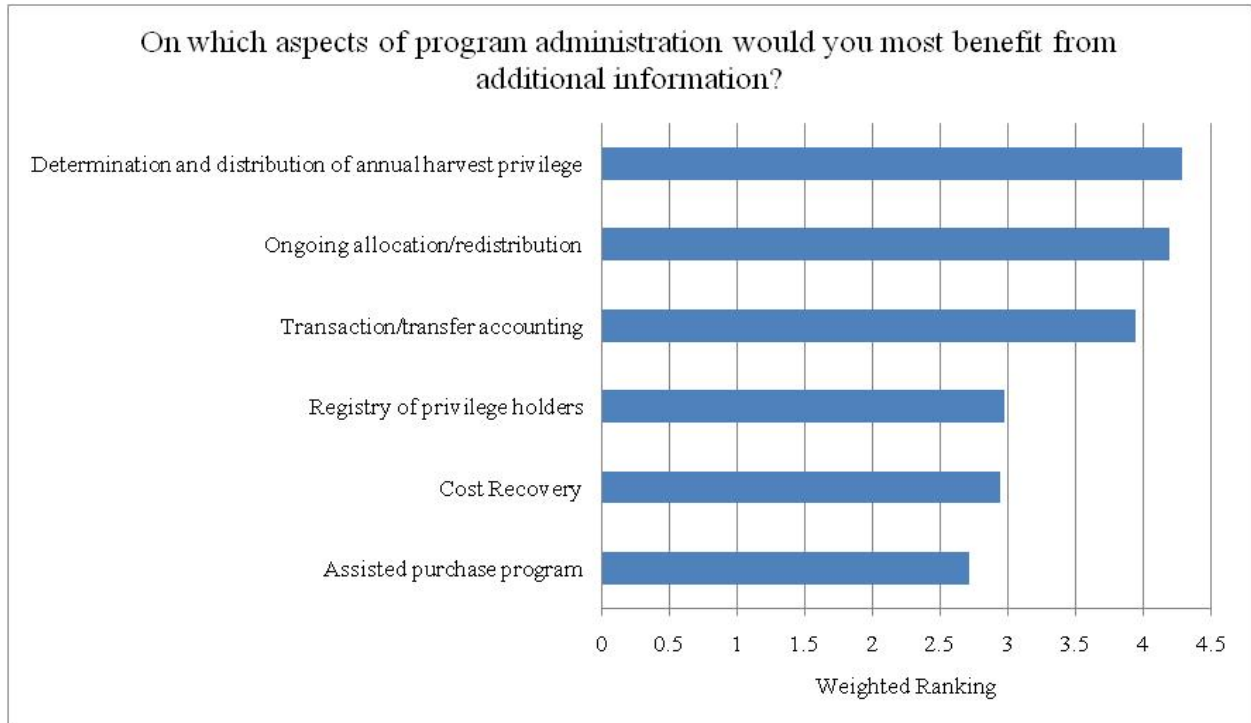
3. On which aspects of *program administration* would you most benefit from additional information?

**Top 3:**

**1. Determination and distribution of annual harvest privilege**

**2. Ongoing allocation/redistribution**

**3. Transaction/transfer accounting**



Answer Options	1	2	3	4	5	6	Response Count
Registry of privilege holders	6	2	2	4	9	8	31
Determination and distribution of annual harvest privilege	9	11	2	4	2	4	32
Transaction/transfer accounting	2	5	16	6	1	1	31
Ongoing allocation/redistribution	7	9	3	8	3	1	31
Assisted purchase program	2	3	5	4	8	9	31
Cost Recovery	5	2	3	5	8	8	31
<i>answered question</i>							<b>32</b>
<i>skipped question</i>							<b>2</b>

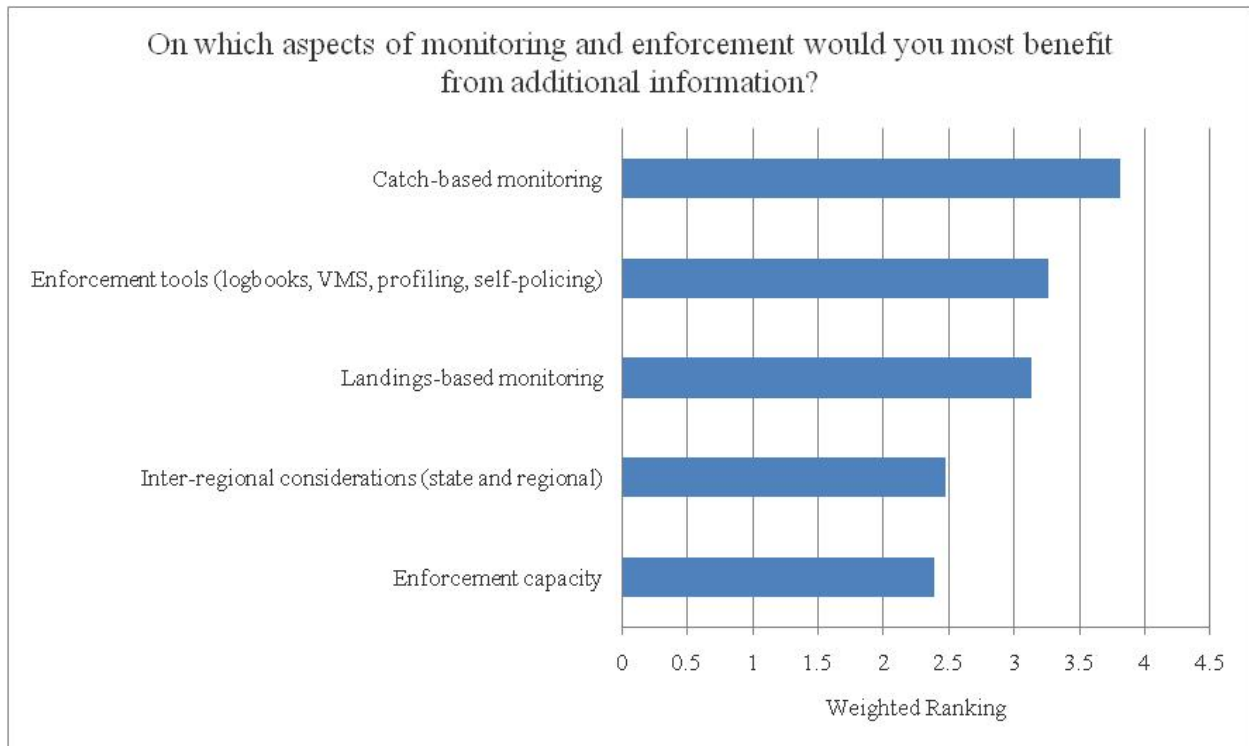
4. On which aspects of *monitoring and enforcement* would you most benefit from additional information?

**Top 3:**

**1. Catch-based monitoring**

**2. Enforcement tools (logbooks, VMS, profiling, self policing)**

**3. Landings-based monitoring**



Answer Options	1	2	3	4	5	Response Count
Catch-based monitoring	12	8	5	5	1	31
Landings-based monitoring	7	8	4	6	6	31
Enforcement tools (logbooks, VMS, profiling, self-policing)	5	8	10	6	2	31
Enforcement capacity	4	1	7	10	9	31
Inter-regional considerations (state and regional)	3	7	5	4	13	32
<i>answered question</i>						<b>32</b>
<i>skipped question</i>						<b>2</b>

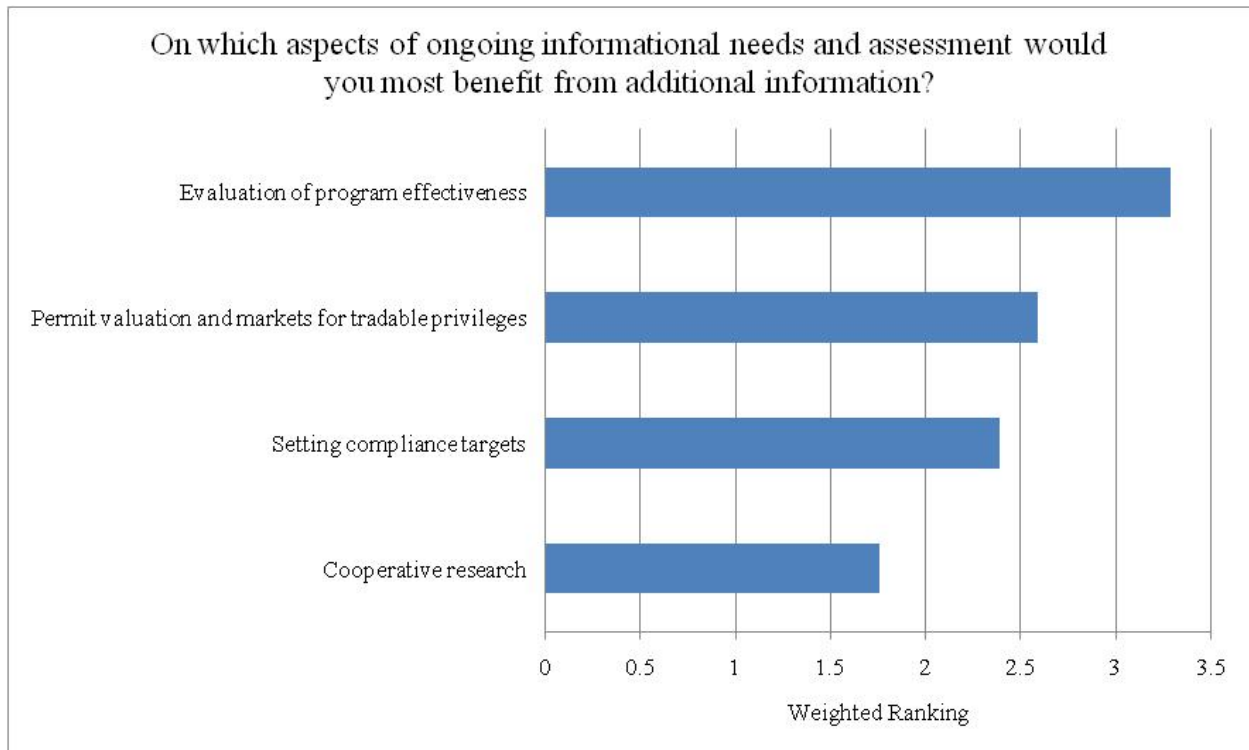
5. On which aspects of *ongoing informational needs and assessment* would you most benefit from additional information?

**Top 3:**

**1. Evaluation of program effectiveness**

**2. Permit valuation and markets for tradable privileges**

**3. Setting compliance targets**



Answer Options	1	2	3	4	Response Count
Setting compliance targets	3	10	14	4	31
Permit valuation and markets for tradable privileges	8	8	6	7	29
Evaluation of program effectiveness	17	8	4	2	31
Cooperative research	2	5	6	16	29
<i>answered question</i>					<b>32</b>
<i>skipped question</i>					<b>2</b>

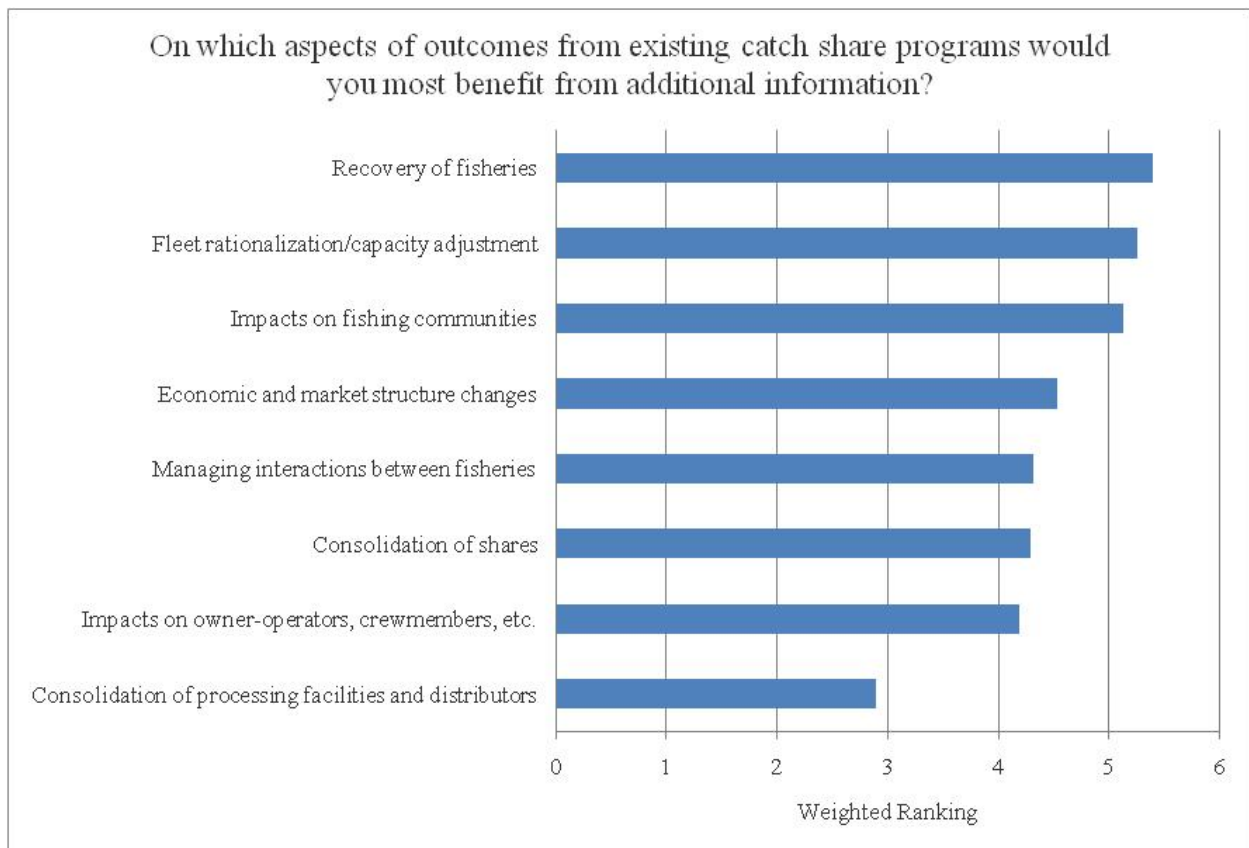
6. On which aspects of *outcomes* from existing catch share programs would you most benefit from additional information?

**Top 3:**

**1. Recovery of fisheries**

**2. Fleet rationalization /capacity adjustment**

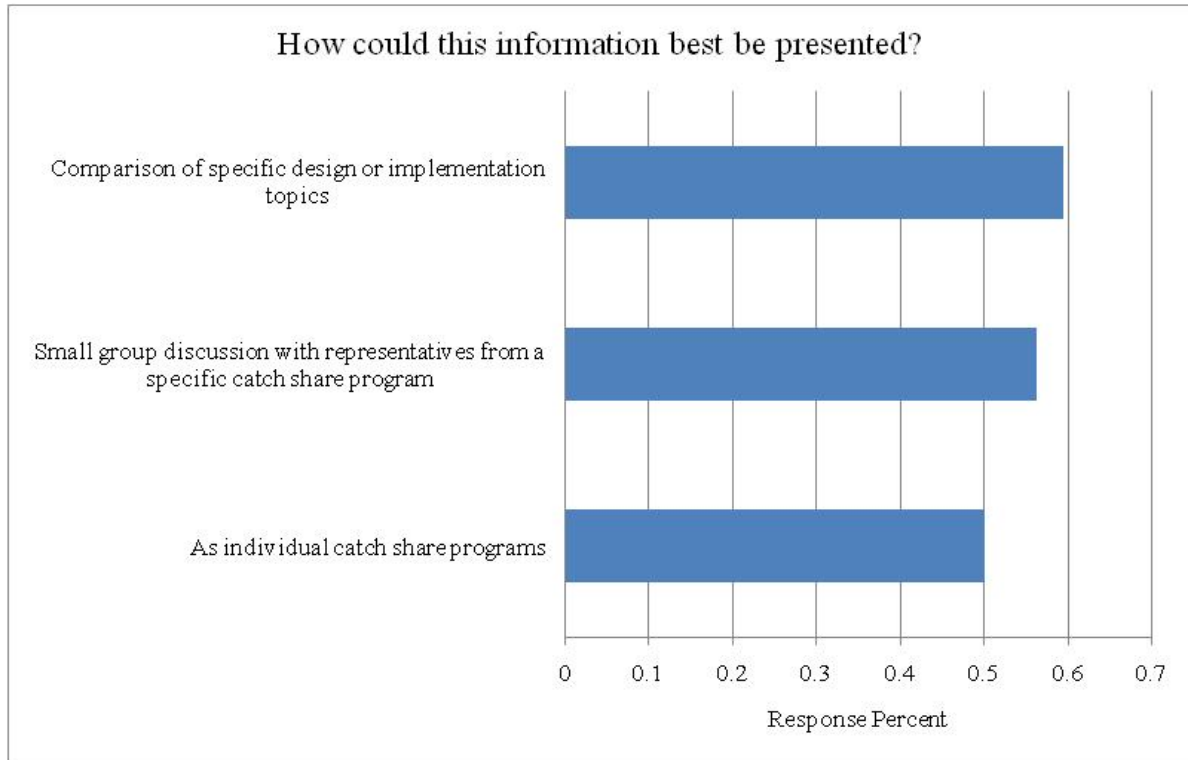
**3. Impacts on fishing communities**



<b>Answer Options</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>Response Count</b>
Impacts on fishing communities	7	1	3	8	4	3	4	0	30
Recovery of fisheries	7	7	3	3	1	3	5	1	30
Fleet rationalization/capacity adjustment	4	9	5	2	3	3	2	3	31
Consolidation of shares	4	0	4	6	6	4	4	3	31
Consolidation of processing facilities and distributors	0	2	2	3	4	2	7	10	30
Impacts on owner-operators, crewmembers, etc.	1	5	4	3	5	6	3	4	31
Economic and market structure changes (resulting from initial allocation or permit trading/leasing)	2	5	7	3	2	6	4	3	32
Managing interactions between fisheries	6	2	3	2	6	3	2	7	31
<i>answered question</i>									<b>32</b>
<i>skipped question</i>									<b>2</b>

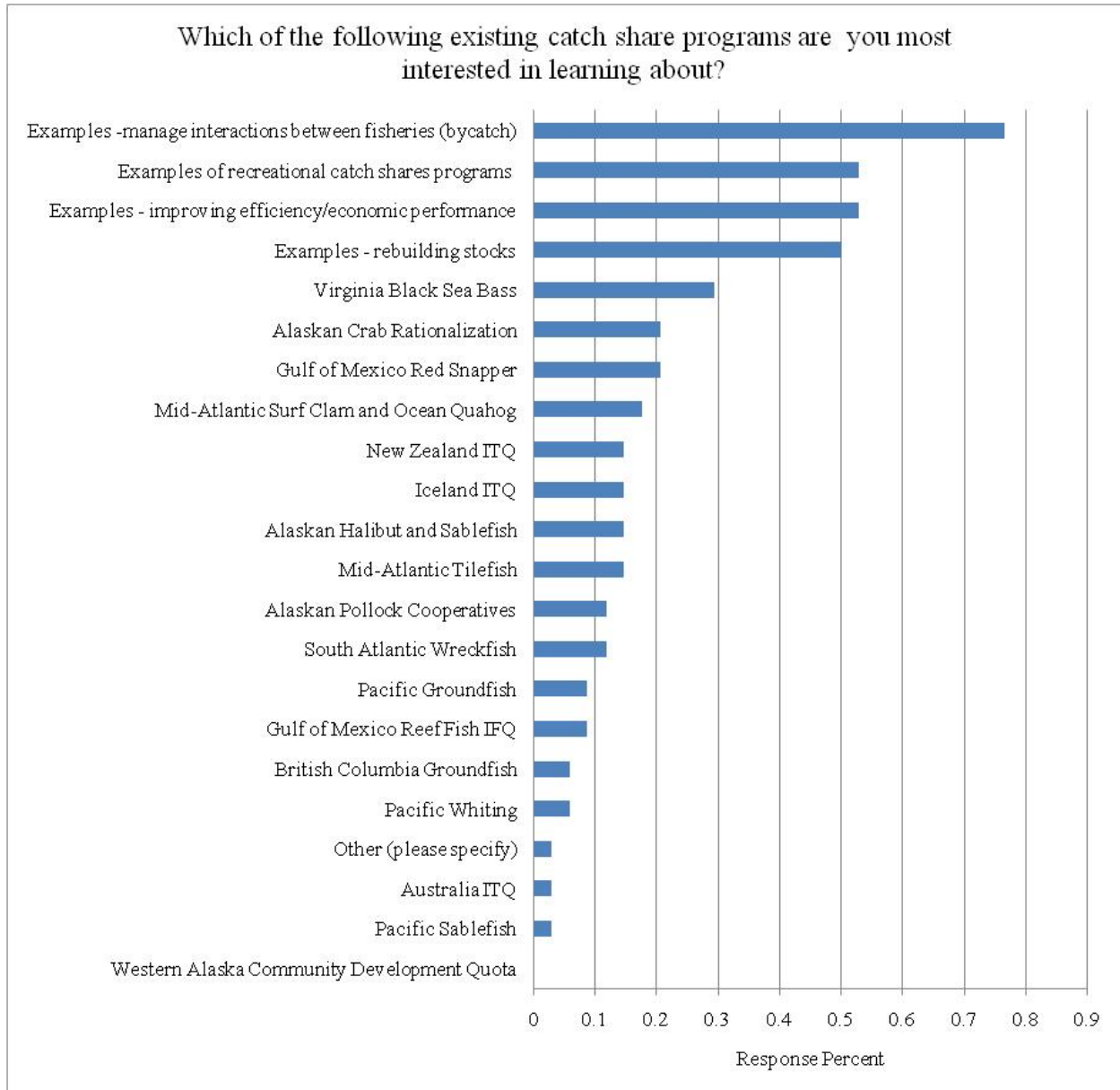
Section 3: Learning From Existing Catch Share Programs

7. How could this information best be presented? (Please select all that apply)



Answer Options	Response Percent	Response Count
As individual catch share programs	50.0%	16
Comparison of specific design or implementation topics	59.4%	19
Small group discussion with representatives from a specific catch share program (i.e. fishermen, council members and staff, or government employees who participated in the design and implementation of the program)	56.3%	18
Other (please specify)	0.0%	0
<b><i>answered question</i></b>		<b>32</b>
<b><i>skipped question</i></b>		<b>2</b>

8. Which of the following existing catch share programs are you most interested in learning about? (Please select five)



<b>Answer Options</b>	<b>Response Percent</b>	<b>Response Count</b>
<i>Examples where the goals were primarily related to rebuilding stocks</i>	50.0%	17
<i>Examples of catch share programs that manage interactions between fisheries (bycatch)</i>	76.5%	26
<i>Examples where the goals were primarily related to improving efficiency/economic performance</i>	52.9%	18
<i>Examples of recreational catch shares programs that are currently under development or previously developed but not implemented (AK halibut for charter sector)</i>	52.9%	18
Virginia Black Sea Bass	29.4%	10
Mid-Atlantic Surf Clam and Ocean Quahog	17.6%	6
Mid-Atlantic Tilefish	14.7%	5
South Atlantic Wreckfish	11.8%	4
Alaskan Halibut and Sablefish	14.7%	5
Gulf of Mexico Red Snapper	20.6%	7
Gulf of Mexico Reef Fish IFQ	8.8%	3
Western Alaska Community Development Quota	0.0%	0
Alaskan Pollock Cooperatives	11.8%	4
Alaskan Crab Rationalization	20.6%	7
Pacific Groundfish	8.8%	3
Pacific Whiting	5.9%	2
Pacific Sablefish	2.9%	1
British Columbia Groundfish	5.9%	2
Iceland ITQ	14.7%	5
New Zealand ITQ	14.7%	5
Australia ITQ	2.9%	1
Other (please specify)	2.9%	1
<b><i>answered question</i></b>		<b>34</b>
<b><i>skipped question</i></b>		<b>0</b>

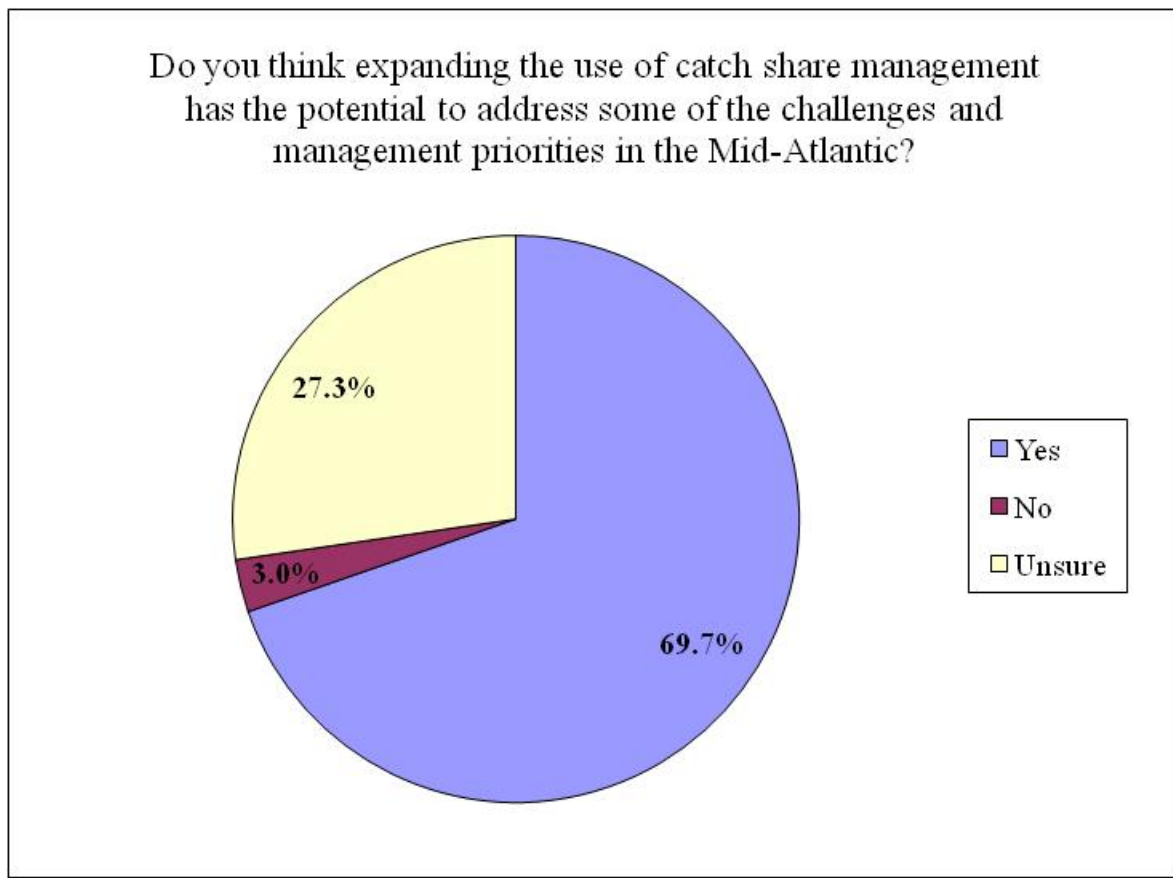
Answers to “Other”:

Respondents that specified “other” indicated that examples that incorporate social/community concerns would also be useful.

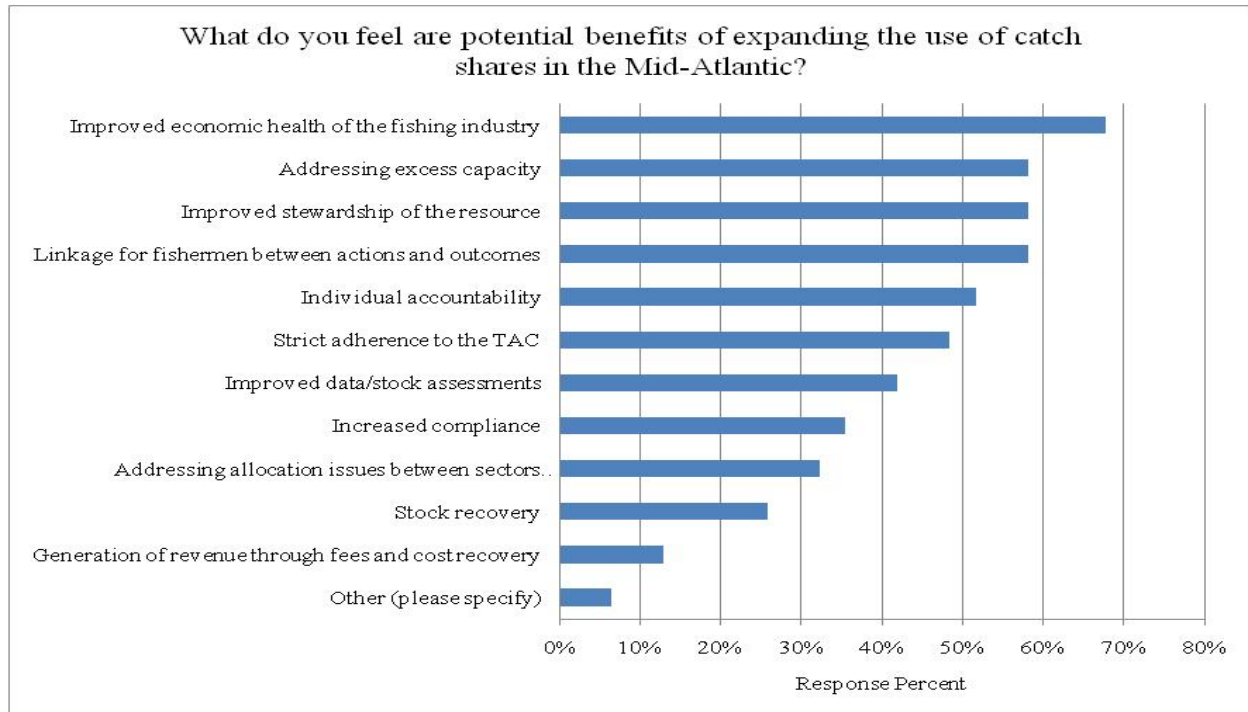
Section 4: Defining Catch Share Opinions/Perceptions

9. Do you think expanding the use of catch share management has the potential to address some of the challenges and management priorities in the Mid-Atlantic?

Yes	69.7%
No	3.0%
Unsure	27.3%



10. What do you feel are potential benefits of expanding the use of catch shares in the Mid-Atlantic? (Please select all that apply)

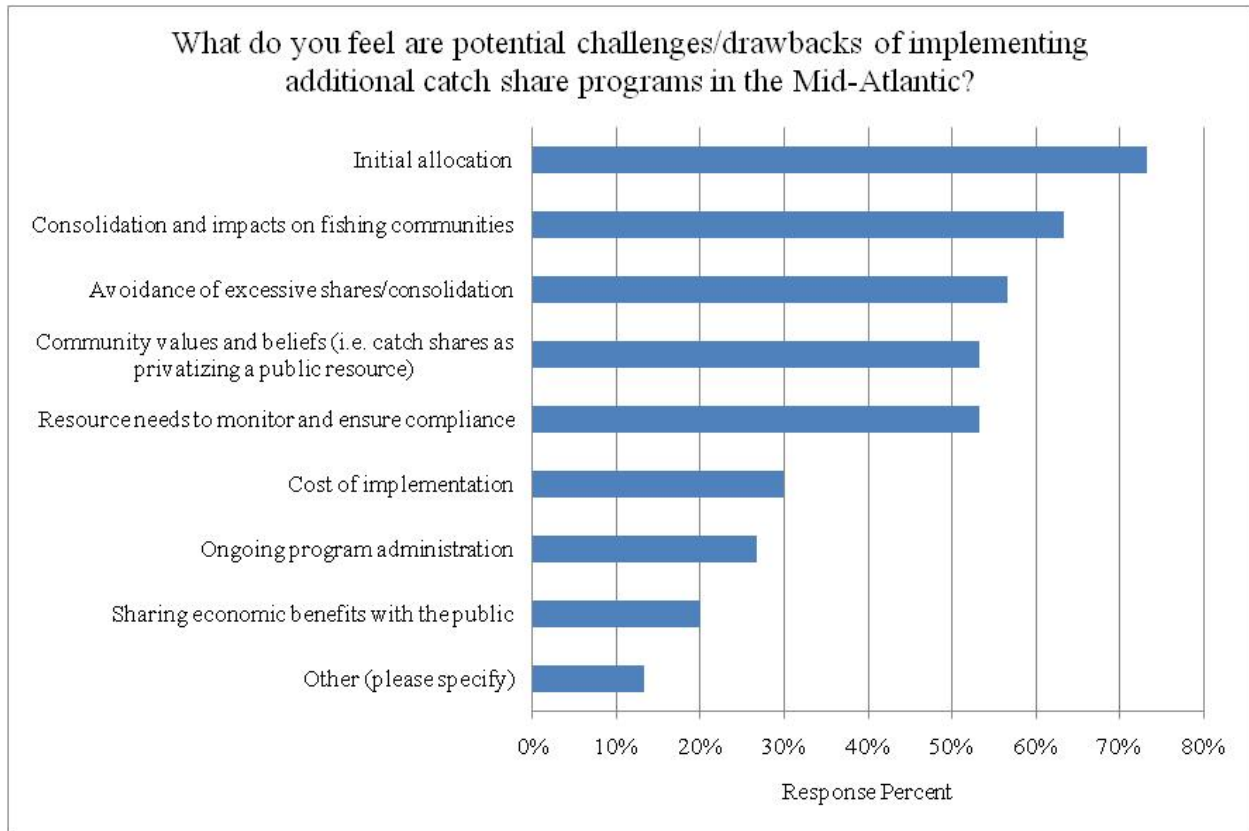


Answer Options	Response Percent	Response Count
<i>Improved economic health of the fishing industry</i>	<b>67.7%</b>	<b>21</b>
Increased compliance	35.5%	11
Individual accountability	51.6%	16
Strict adherence to the TAC	48.4%	15
Improved data/stock assessments	41.9%	13
Stock recovery	25.8%	8
<i>Linkage for fishermen between actions and outcomes</i>	<b>58.1%</b>	<b>18</b>
<i>Improved stewardship of the resource</i>	<b>58.1%</b>	<b>18</b>
Generation of revenue through fees and cost recovery	12.9%	4
<i>Addressing excess capacity</i>	<b>58.1%</b>	<b>18</b>
Addressing allocation issues between sectors (recreational/commercial)	32.3%	10
Other (please specify)	6.5%	2
<b>answered question</b>		<b>31</b>
<b>skipped question</b>		<b>3</b>

Answers to “Other”:

Respondents that specified “other” indicated reducing management uncertainty by improving control over catch could be an additional benefit. It was also noted that there is question as to whether there is any real benefit of catch shares other than making management easier.

11. What do you feel are potential challenges/drawbacks of implementing additional catch share programs in the Mid-Atlantic? (Please select all that apply)

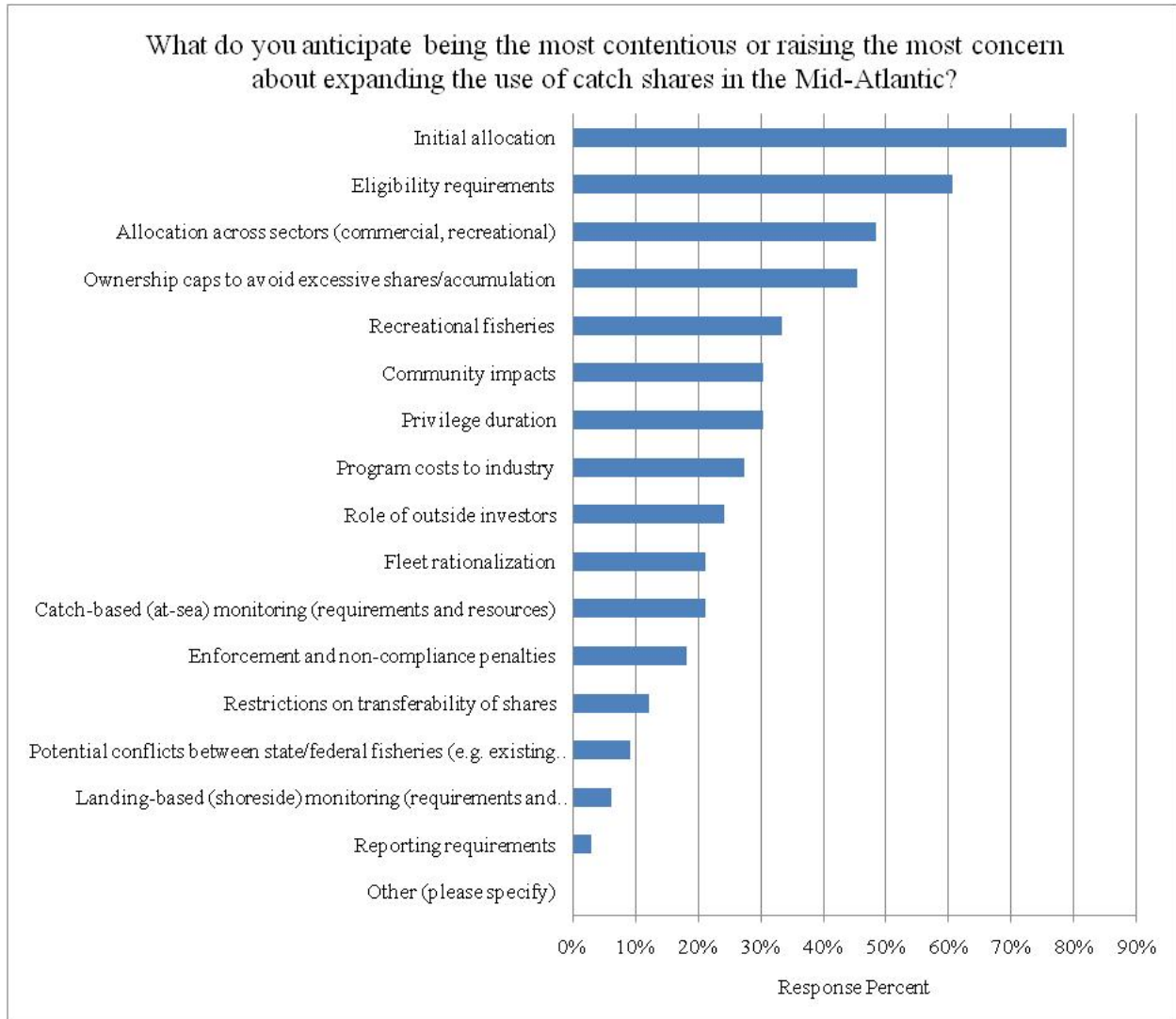


<b>Answer Options</b>	<b>Response Percent</b>	<b>Response Count</b>
<b><i>Consolidation and impacts on fishing communities</i></b>	<b>63.3%</b>	<b>19</b>
Resource needs to monitor and ensure compliance	53.3%	16
Community values and beliefs (i.e. catch shares as privatizing a public resource)	53.3%	16
<b><i>Initial allocation</i></b>	<b>73.3%</b>	<b>22</b>
Ongoing program administration	26.7%	8
Cost of implementation	30.0%	9
<b><i>Avoidance of excessive shares/consolidation</i></b>	<b>56.7%</b>	<b>17</b>
Sharing economic benefits with the public	20.0%	6
Other (please specify)	13.3%	4
<b><i>answered question</i></b>		<b>30</b>
<b><i>skipped question</i></b>		<b>4</b>

Answers to “Other”:

Respondents that specified “other” indicated addressing the cumulative impacts of regulatory changes, ideological and political opposition from interest groups, and inadequate catch and bycatch monitoring as potential challenges. Another concern raised was that the market and price benefits for fishermen may come at the expense of fleet operators and dealers.

12. What do you anticipate being the most contentious or raising the most concern about expanding the use of catch shares in the Mid-Atlantic? (Please select five)



<b>Answer Options</b>	<b>Response Percent</b>	<b>Response Count</b>
<b><i>Eligibility requirements</i></b>	<b>60.6%</b>	<b>20</b>
Privilege duration	30.3%	10
Restrictions on transferability of shares	12.1%	4
Ownership caps to avoid excessive shares/accumulation	45.5%	15
<b><i>Initial allocation</i></b>	<b>78.8%</b>	<b>26</b>
<b><i>Allocation across sectors (commercial, recreational)</i></b>	<b>48.5%</b>	<b>16</b>
Program costs to industry	27.3%	9
Catch-based (at-sea) monitoring (requirements and resources)	21.2%	7
Landing-based (shoreside) monitoring (requirements and resources)	6.1%	2
Reporting requirements	3.0%	1
Enforcement and non-compliance penalties	18.2%	6
Fleet rationalization	21.2%	7
Community impacts	30.3%	10
Role of outside investors	24.2%	8
Recreational fisheries	33.3%	11
Potential conflicts between state/federal fisheries (e.g. existing state-run catch share programs)	9.1%	3
Other (please specify)	0.0%	0
	<b><i>answered question</i></b>	<b>33</b>
	<b><i>skipped question</i></b>	<b>1</b>

*Your opinions and perspectives are very important to us. Please share any additional comments or suggestions below.*

Respondents who expressed comments indicated a variety of opinions. Many expressed excitement about the workshop and noted how the region will benefit from further education and discussions about catch shares.

Comments related to the survey included the difficulty of assigning rankings in Section 2 as many aspects of catch shares are equally important. Several respondents noted that catch shares could be a valuable tool to address overcapacity, explicitly allocate and account for TACs across fisheries, and provide flexibility to the industry. While some felt catch share programs are much needed and long overdue for most fisheries, it was also cautioned that catch share management should not be forced on a fishery that opposes it. The importance of the type of catch share was also noted, particularly the preference for ITQs over sectors for reasons of personal responsibility rather than joint liability.

Respondents noted the need to guard against excessive consolidation to ensure a competitive market, and recommended the need for catch share programs to be industry and not government driven. The need for initial allocation and monitoring/reporting to be based on self reporting with severe penalties for falsifying records was mentioned. The point was also raised that fishermen should be assumed innocent until proven guilty and not the other way around.

Regarding ideas for the workshop, it was noted that incorporating examples of catch shares that improve economic performance, efficiency, and management precision in light of the accountability requirements of MSA and NS1 would be helpful. Discussion of how to reduce management uncertainty and market mechanisms for commercial and recreational allocation were also put forth as useful topics. It was suggested that participants from catch shares similar in size and magnitude to MAFMC fisheries would be useful in providing a relevant perspective. The inclusion of “losers,” the people who felt left out of other catch share programs, in the workshop was cautioned against; questioning their contribution to the constructive discussions they hope will take place at the workshop.

**Mid-Atlantic Catch Shares Workshop**  
**DRAFT Terms of Reference**  
3/8/2010

Purpose of the workshop:

The MAFMC decided an educational workshop dedicated to catch share issues would be beneficial for its members and partners. The participants will learn about existing catch share programs directly from people who have been involved in the development, implementation, and/or on the water impacts of these programs. As the workshop is educational in nature, no management decisions will be made at the workshop regarding the applicability of catch shares to any particular fishery.

Meeting format:

The workshop is designed to maximize interaction between participants and panelists by providing small groups with opportunities to hear about catch share programs from other regions, leaving lots of time for Q&A and discussion. The participants will be divided into groups of about 15 people. Each breakout group will rotate through four sessions. In addition, there will be presentations and panel discussions in the plenary sessions.

Terms of Reference for Panelists:

- Please share your experiences: the workshop is not intended to advocate for or against catch shares, but rather to provide an educational opportunity for Mid-Atlantic Council members and management partners. Participants want to learn about all sides of your experience, including what worked and what didn't work.
- Provide context: make note of the context under which the new catch share programs were considered.
  - What other management tools had been used or were under consideration?
  - Why were catch shares chosen over the other management options available?
- Include lessons that you learned through your experience with catch share programs. For example:
  - What were the primary concerns during the development phases of the catch shares program?
  - What concerns or unanticipated consequences arose after implementation of the catch shares program?
  - What would you do differently? What would you do the same?
  - Where would you spend more or less time in the process?

## Terms of Reference for Moderators

- The moderator will be responsible for:
  - Starting and ending the sessions on time
  - Providing basic ground rules: one conversation at a time, give everyone a chance to ask questions, be respectful of different view points
  - Keeping panelists to their allotted time. The panelists have been told about their time allotment. You can emphasize that we need to ensure plenty of time for Q&A and discussion.
  - Ensuring orderly Q&A. Make sure that one person does not dominate the session and that everyone who wants to make a point is given the chance.
  - Compiling the common themes, areas of common thinking, areas that may require additional attention, unique perspectives, etc. We will ask each moderator to prepare a couple of power point slides and report back during the plenary on Thursday morning (about 5 minutes).

Public Comment: The goal of the workshop is to provide the invited participants with an educational opportunity to learn about catch shares. The workshop is open to the public. Accordingly, it would also be helpful to have some time reserved at the end of each breakout session to receive public input. The last day of the workshop will also feature an open question and answer session with the full slate of panelists as an additional opportunity for the public to engage the panelists.