

Future of Waterfowl Workshop 2 Highlights of Results September 26, 2017

NAWMP Survey of Waterfowl Hunters

Acknowledgements

- National Flyway Council and member states in Atlantic, Mississippi, Central and Pacific Flyways
- U.S. Geological Survey
- Migratory Bird Joint Ventures & U.S. Fish and Wildlife Service
- Ducks Unlimited
- Association of Fish and Wildlife Agencies
- NABCI
- Cornell Lab of Ornithology
- Members of HDWG and PET



Identify Stakeholder Preferences







UNDERSTANDING STAKEHOLDER & PUBLIC PREFERENCES FOR WATERFOWL HUNTING, VIEWING AND CONSERVATION

North American Waterfowl Management Plan (NAWMP) ~ People Conserving Waterfowl and Wetlands

NAWMP Goal 3:

Growing numbers of waterfowl hunters, other conservationists and citizens who enjoy and actively support waterfowl and wetlands conservation.

The 2012 NAWMP Revision Flores Statement provides a new Vision of waterfood smangement that explaints a growing and that supportive core of waterfood hunters and exapted hunters and waterfood post in to have a public supportive goal in to have a public supportive of waterfood and wetterfood conservation that have through control and pragmatic ties to waterfood and wetterfood.

To relieve this goal, NAUVAD prames most empty both the prames most empty both the maniform of the prames and the trades community and the breader community and the breader community of the breader whe see interested and waterford and the communities of waterford and the communities of waterford and waterford and waterford and waterford the property of the propert

The key objectives of the stakeholder and general public juryeys are to:

 Assess what hunters and other waterfoot conservationists (i.e., birders) most desire from their natural resource based management and social settings to inform NAWMP objectives and select abilities and population management alternatives.

2) Establish baseline measures that can be repeated to inform the development of Strategy and monitor treats in achieving the NAWMP goal of 'growing amabeat of waterfood hunters, other conservationists, and citizens who can only and actively support waterfood and wellands

 Assess waterfood hunters and conservationists knowledge, preferences, levels of use and support for waterfood and wellands conservation.

4) Assess the general publics' participation in waterfowlassociated recreation and how much they support waterfowl and welrade conservation.

 Assess the general publics' regarding the importance of the benefits and values (i.e. Ecological Goods and Services -EGS) provided by waterfowl and wetlands conservation.

 Assess waterfowl professionals' perspectives on the levels of waterfowl populations and habitats needed to support hunter and visueer use opportunities.

The expected outcomes of these studies are:

1) Quantified measures of

staksholder preferences;

2) A greater likelihood of developing NAWMP objectives and management actions that are informed by waterfowl and welfand staksholders;

3) A focus

A focus on harvest management actions that will provide the practest benefits in terms of stakeholder preferences within the context of what is biologically familie.





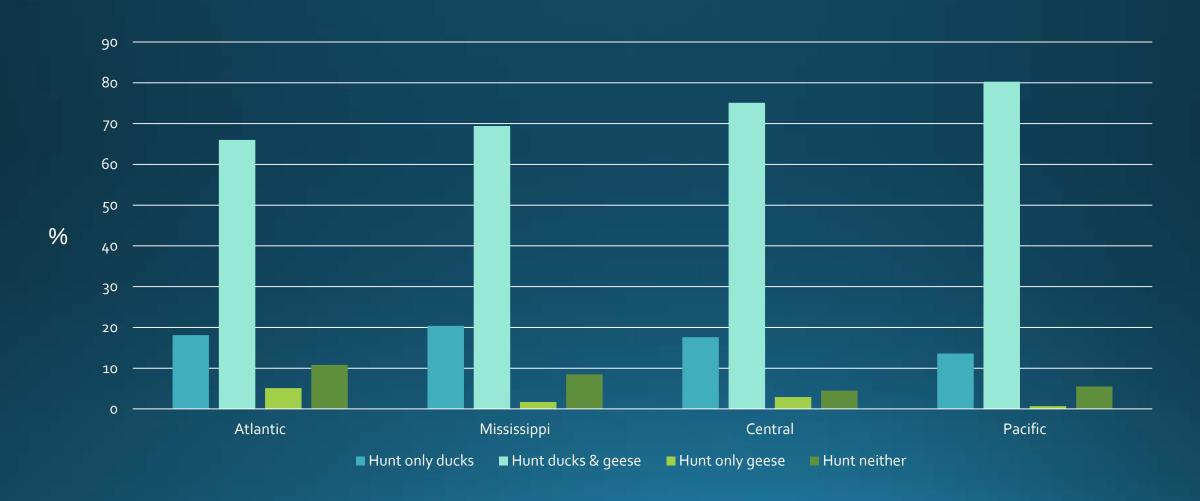
34 Workshops in 17 Locations



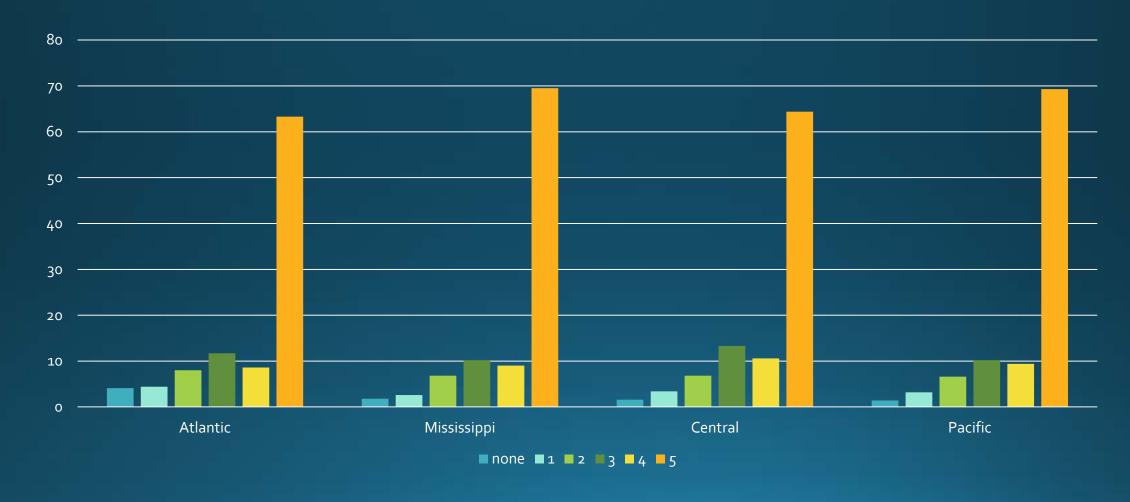
Methods

- Mail contact with web completion (Nov. 2016-March 2017)
- Sampling population adult (18+) waterfowl hunters in the US
- Sampling Frame: 2015 state HIP records from each state
- Initial Sample Nationwide = 35,101
- Total completed sample size Nationwide = 8,123 (23%)
 - Atlantic = 1,968 (lower = 988, middle = 486, upper = 494)
 - Mississippi = 2,868 (lower = 735, middle = 1,304 upper = 829)
 - Central = 1,754 (lower = 439, middle = 508, upper = 807)
 - Pacific = 1,533 (lower = 533, middle = 473, upper = 527)
- Data weighted at Flyway level

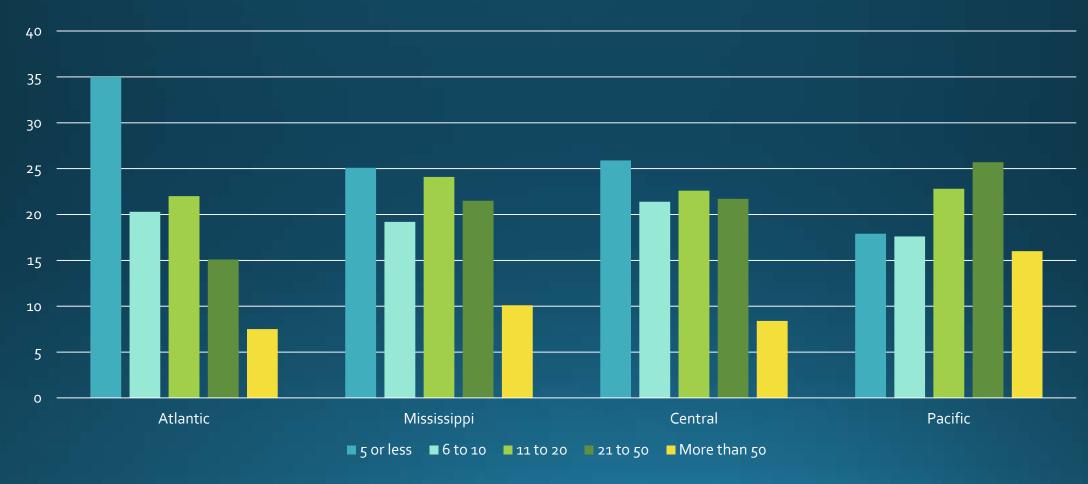
Waterfowl hunting pursuits



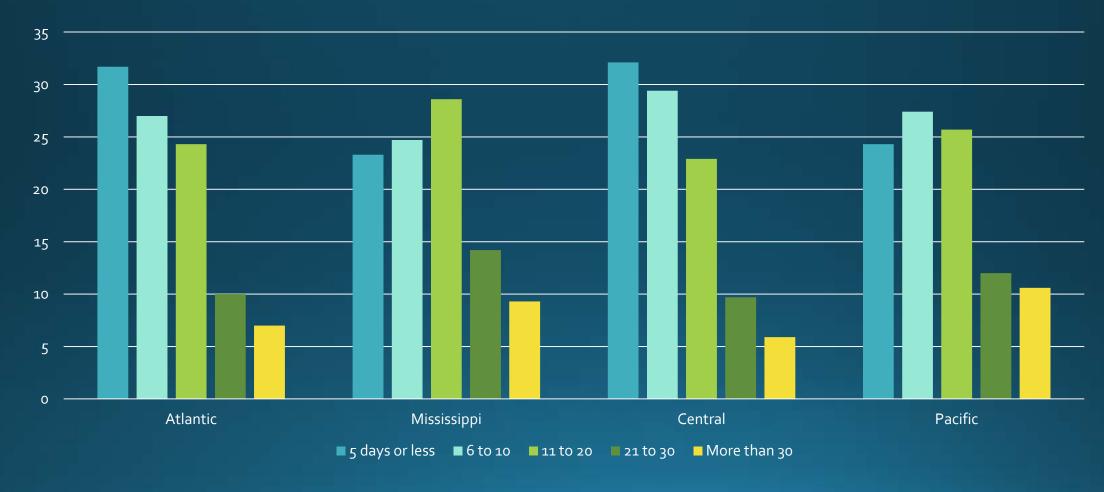
How many of the last 5 years have you hunted waterfowl?



How many ducks did you harvest in a year on average (last 5 years)?



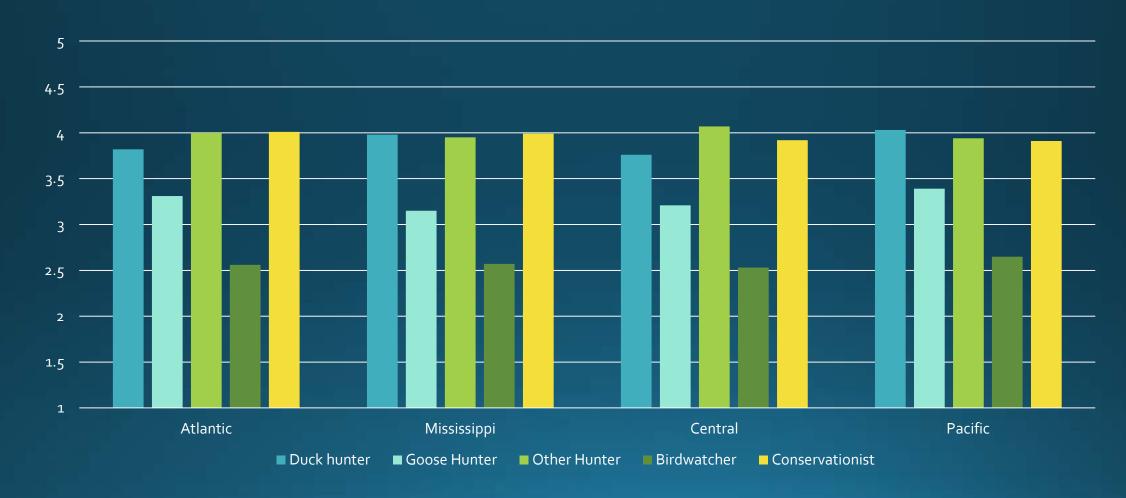
How many days did you usually hunt waterfowl in a year (last 5 years)?



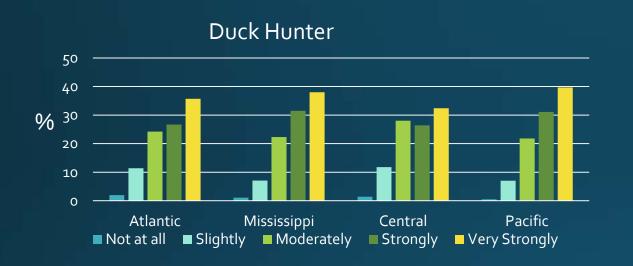
During 2015, how many days did you hunt for waterfowl?

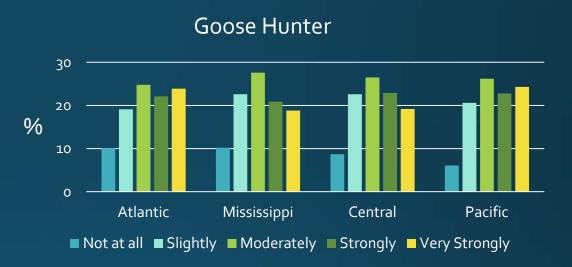


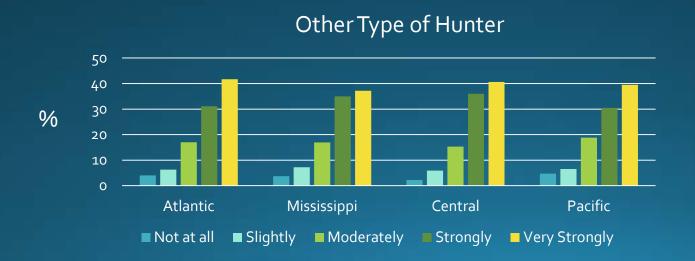
Indicate the extent to which you identify yourself as ...?



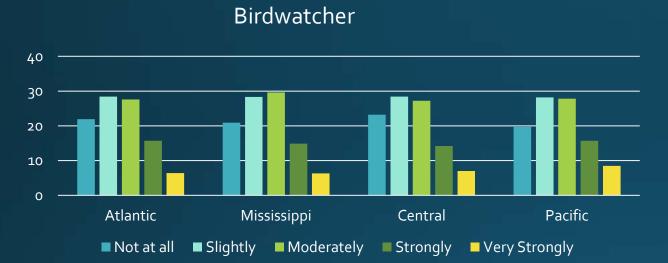
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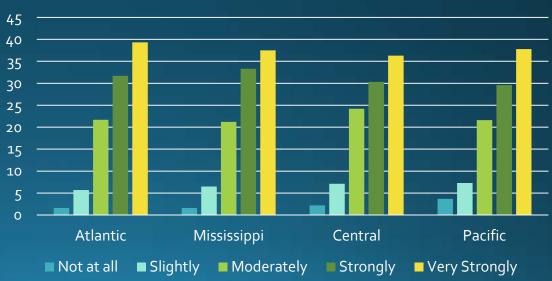




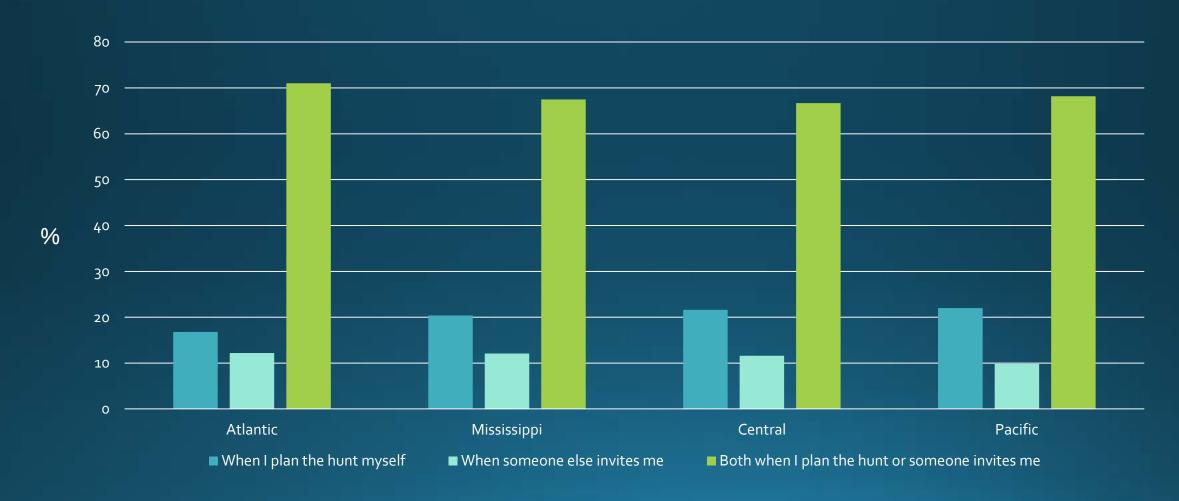
Indicate the extent to which you identify yourself as a



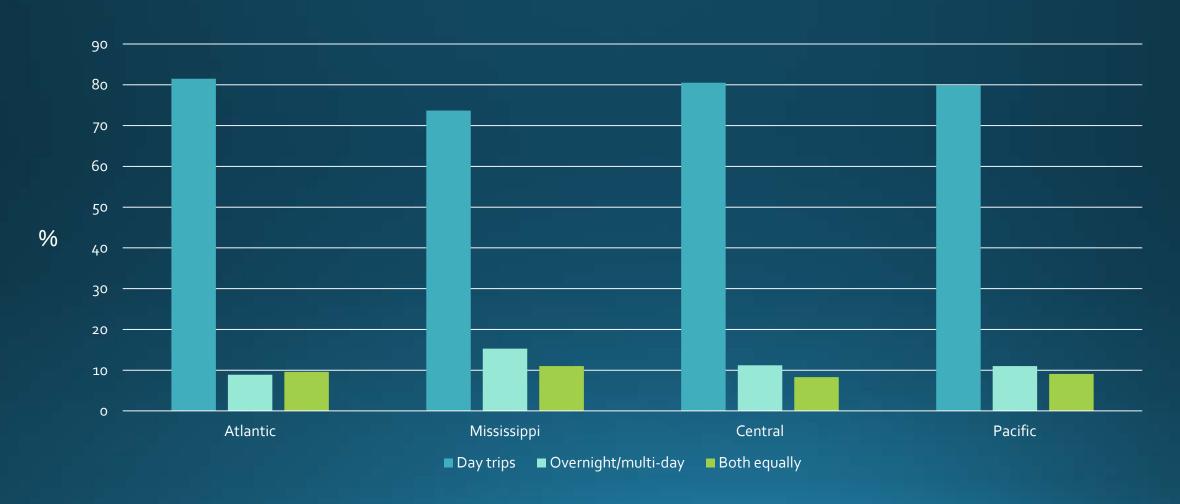
Conservationist



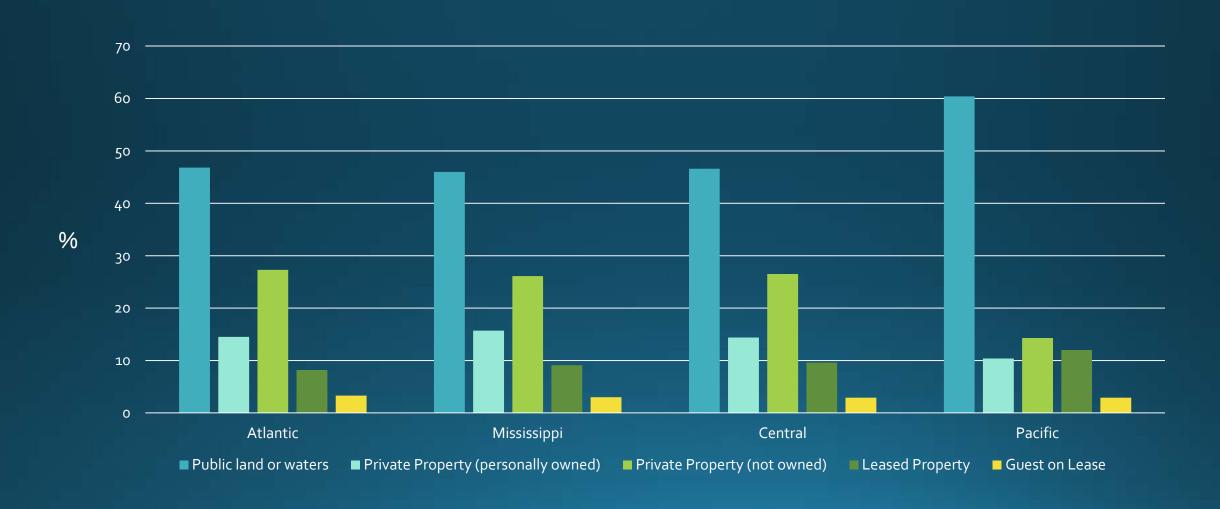
Under what circumstances do you typically go hunting?



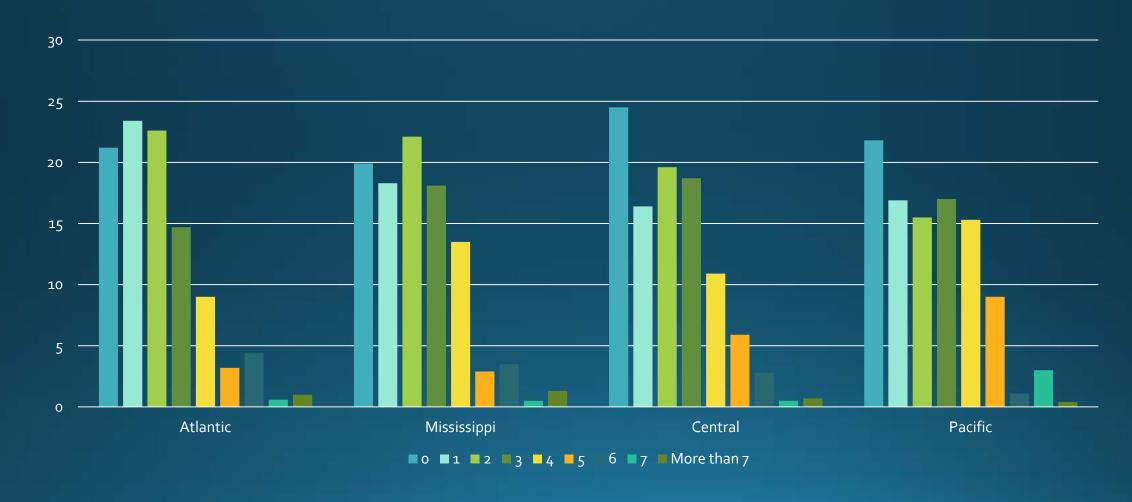
Do you primarily take day trips or overnight trips when you waterfowl hunt?



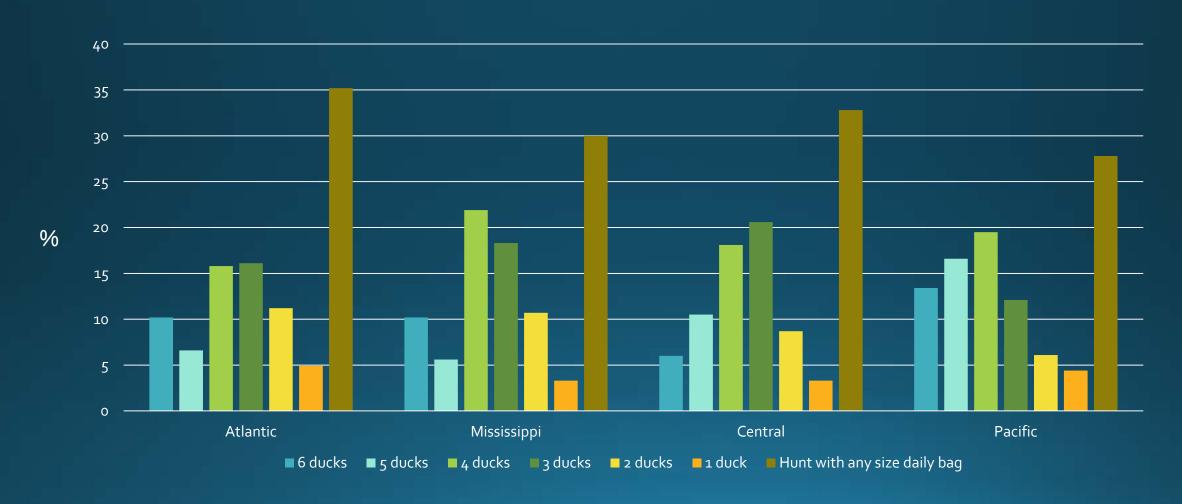
Where do you do most of your waterfowl hunting?



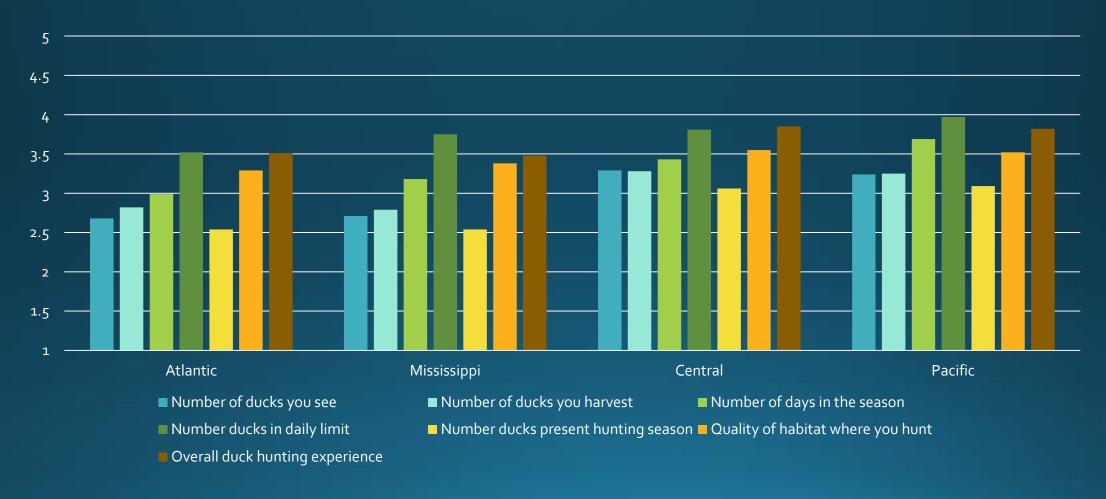
Minimum number of ducks you have to harvest in a day to feel satisfied?



Smallest daily bag limit you would accept before you would no longer hunt?

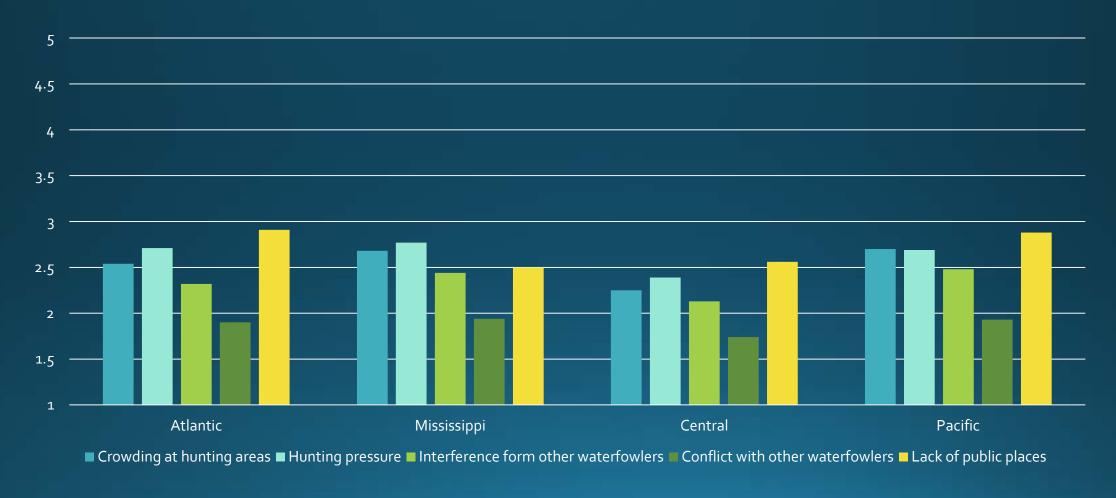


In the state you hunt ducks most often, how dissatisfied or satisfied are you with?

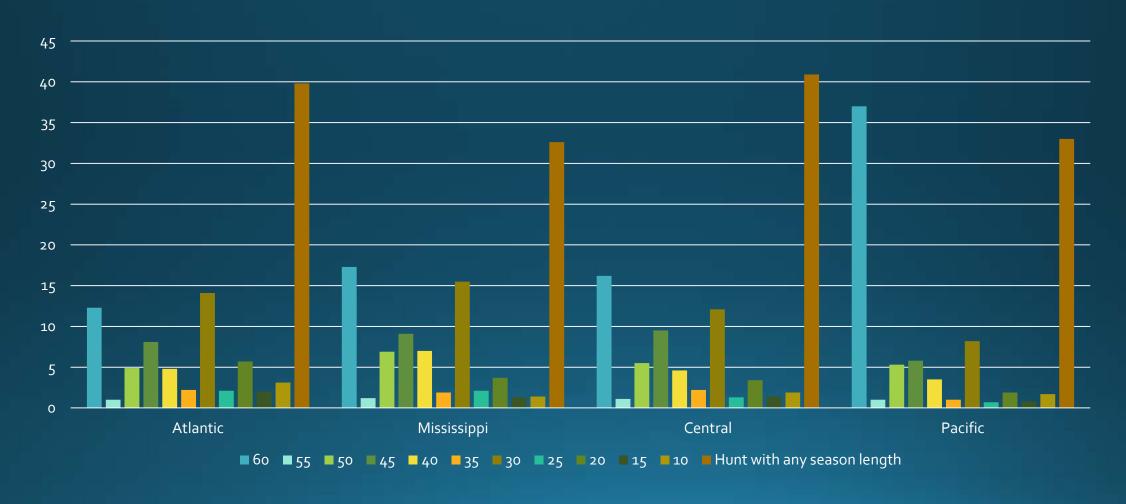


1 = Very dissatisfied 2 = Somewhat dissat. 3 = Neutral 4 = Somewhat Satis. 5 = Very satisfied

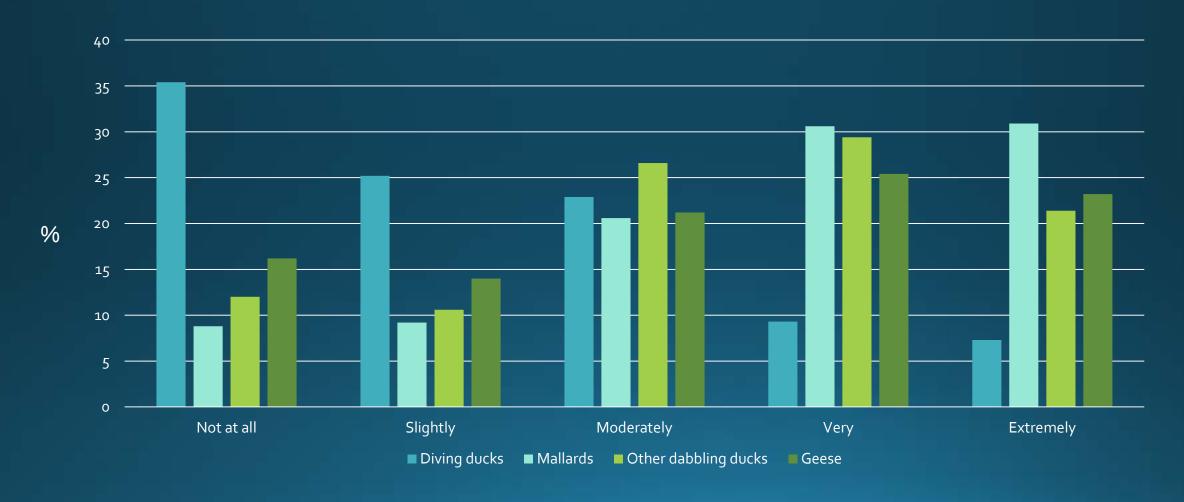
How much of a problem are the following in the state you hunt waterfowl the most?



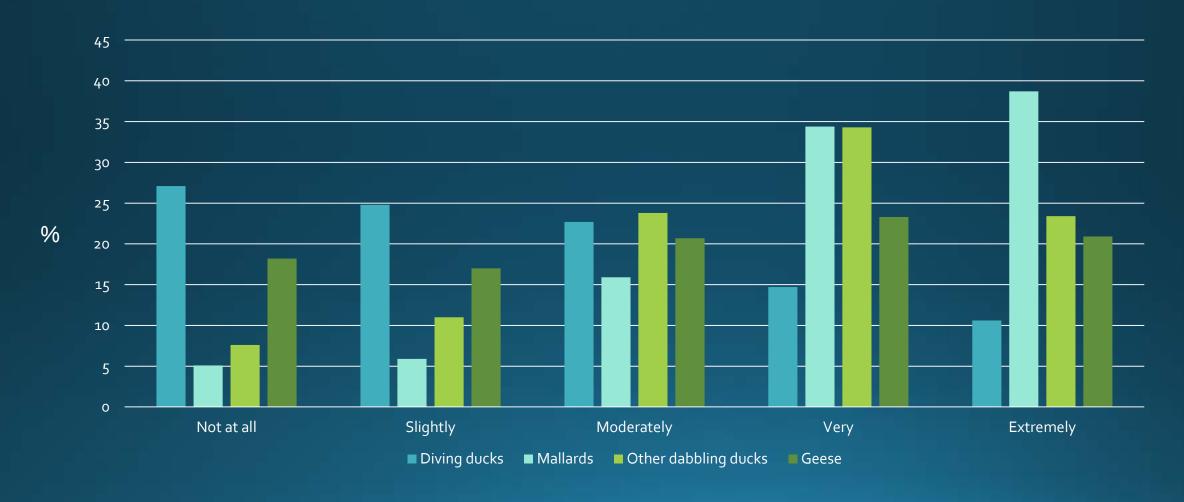
Minimum number of days in a waterfowl season you would accept before you would no longer hunt?



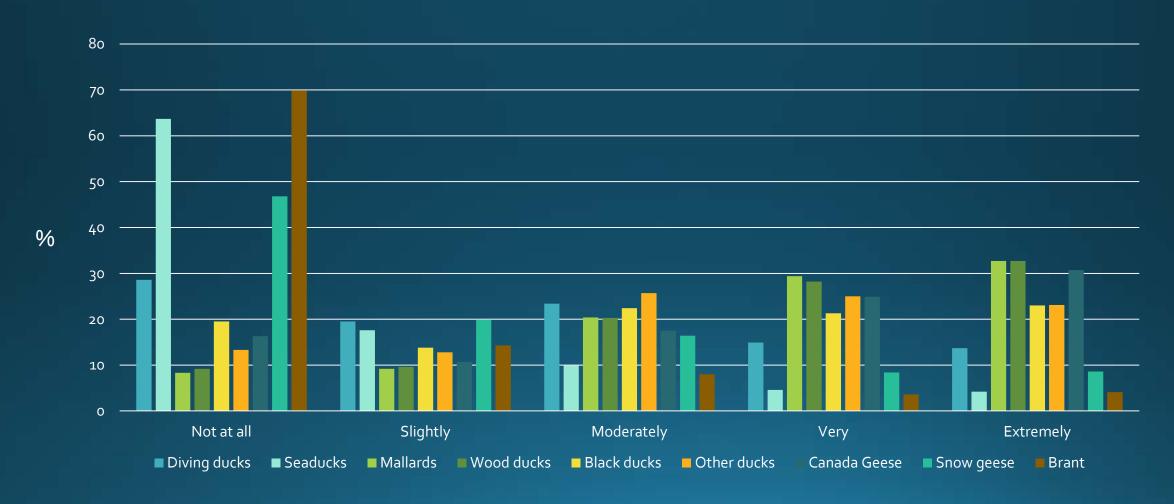
How important is it to you to hunt the following in the Central Flyway?



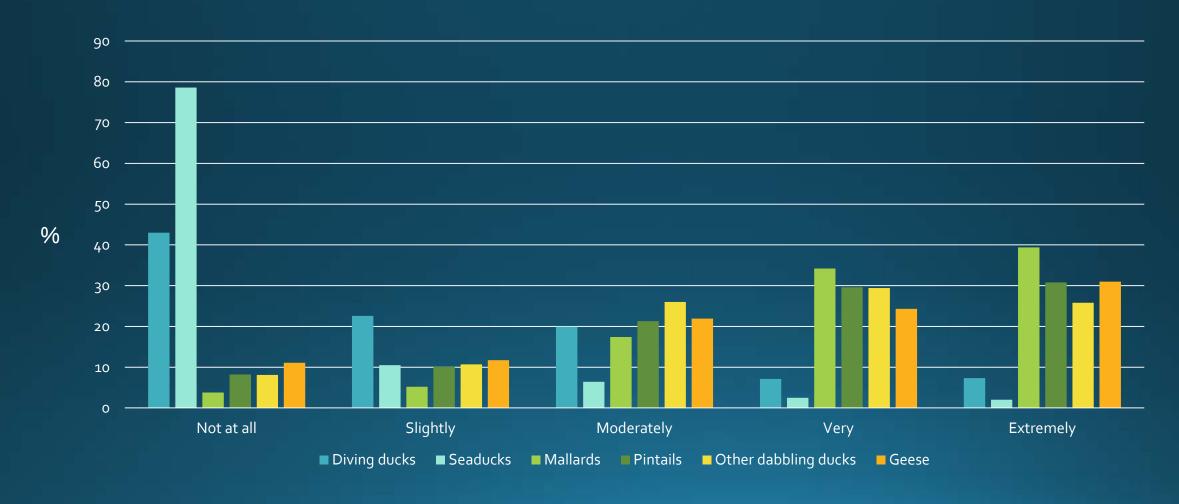
How important is it to you to hunt the following in the Mississippi Flyway?



How important is it to you to hunt the following in the Atlantic Flyway?

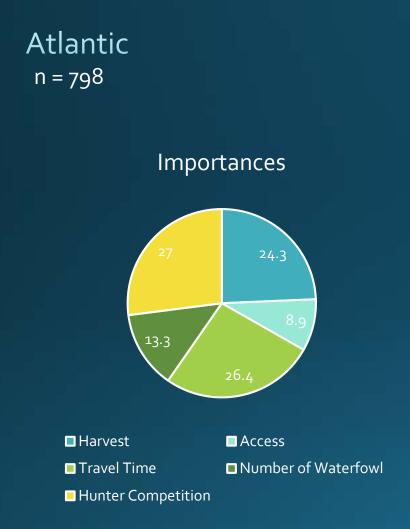


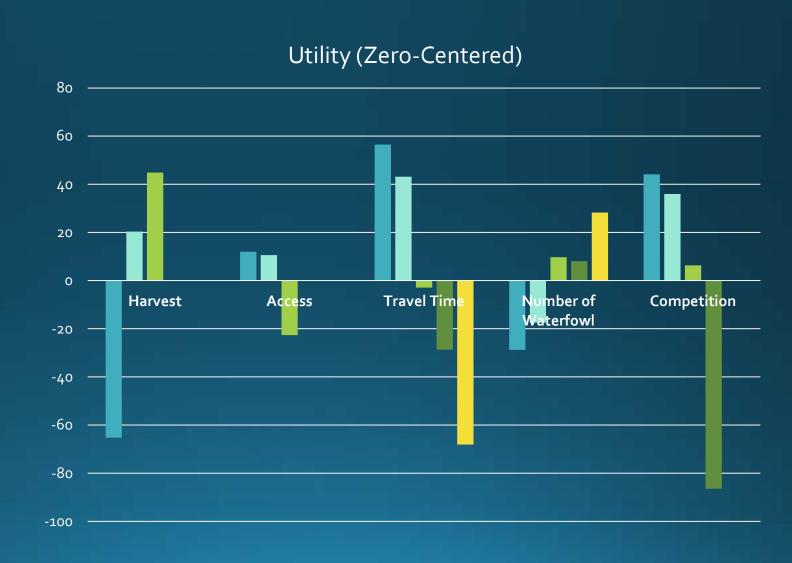
How important is it to you to hunt the following in the Pacific Flyway?



Discrete Choice Experiments Waterfowl Hunting Attributes and Levels

Attribute					
Harvest	1 bird	3 birds	6 birds		
Access	Easy	Moderate	Difficult		
Travel Time	30 mins	1 hour	2 hours	3 hours	4 hours
Number of waterfowl	25 or less	50	250	500	1000 or more
Competition	No competition	Low	Moderate	High	

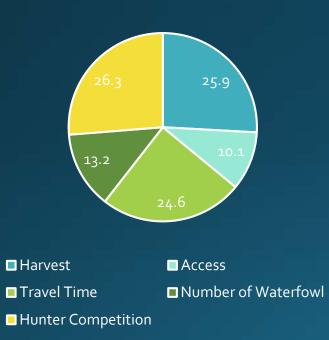


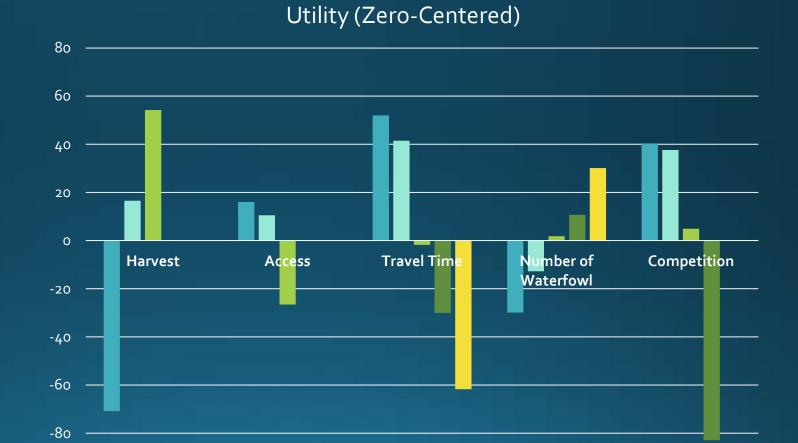


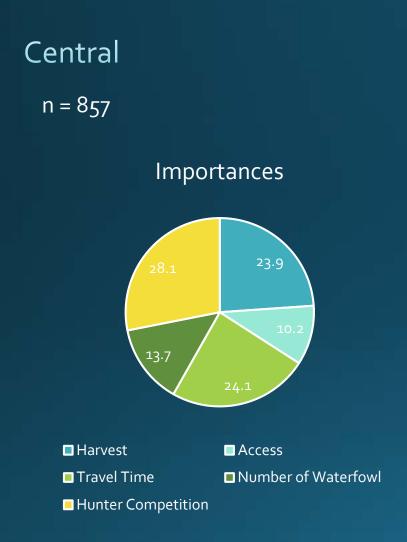
Mississippi

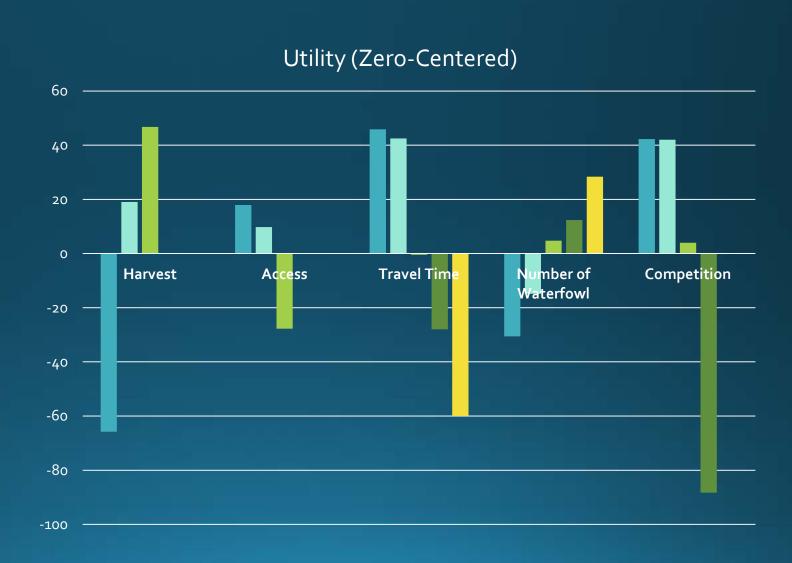
n = 871





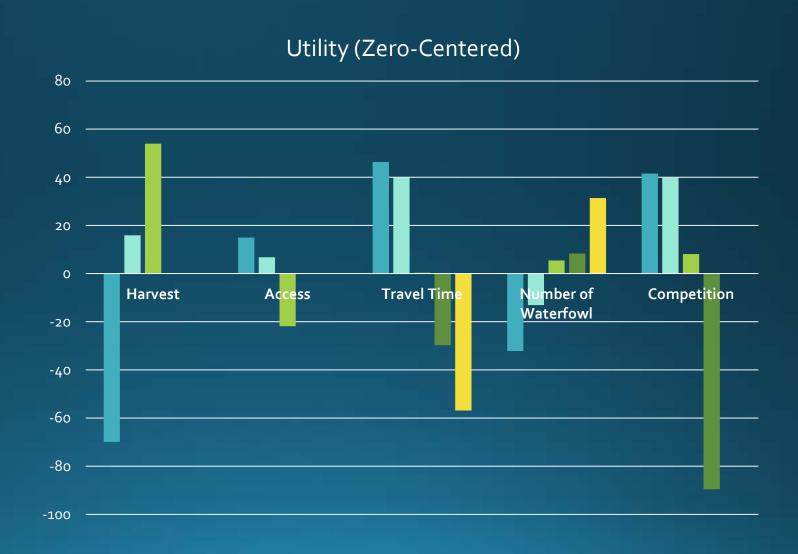




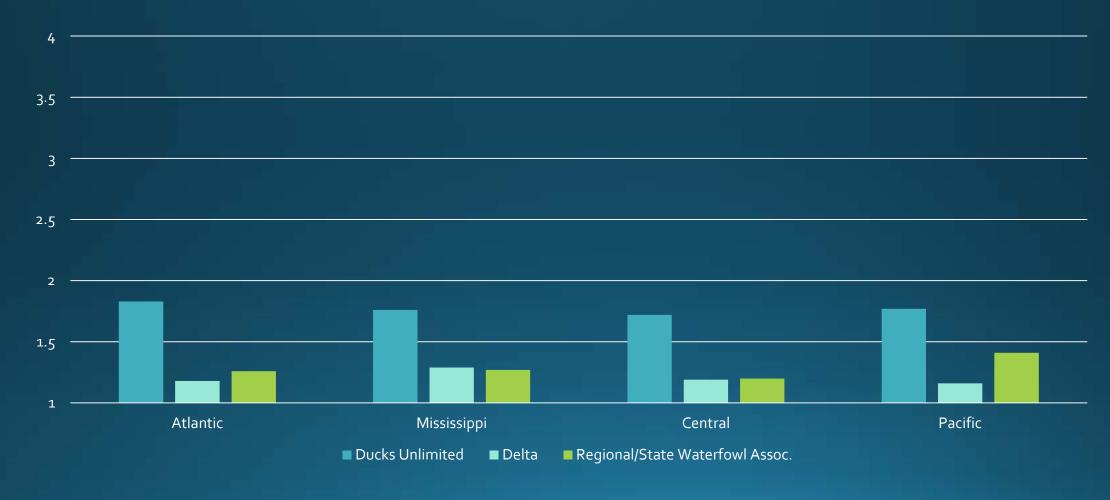




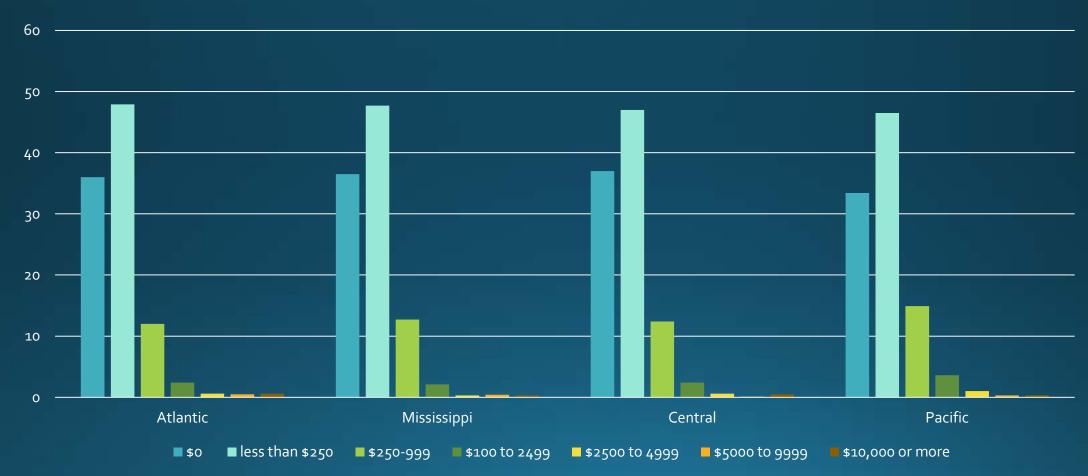




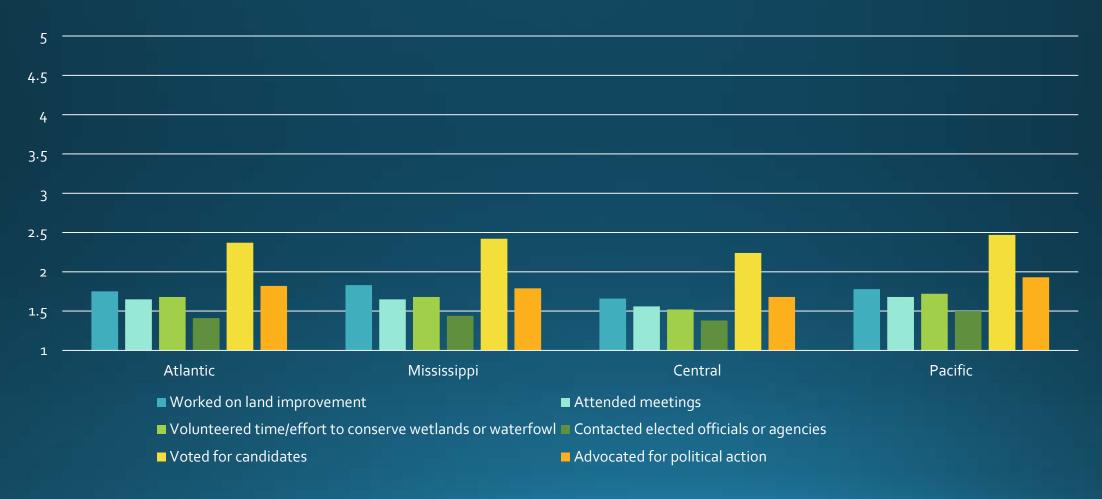
Indicate your level of involvement with the following organizations in the past 12 months...



How much money personally donated to wetland and/or waterfowl conservation?



Level of involvement in the following wetlands or waterfowl conservation activities last 12 months?



Participation in nature-based activities?

