

#### **Overview**



#### **FMP History**



**Data Collection and Analysis** 



**FMP Review Process** 



**Examples** 



Management



**Draft FMP Schedule** 





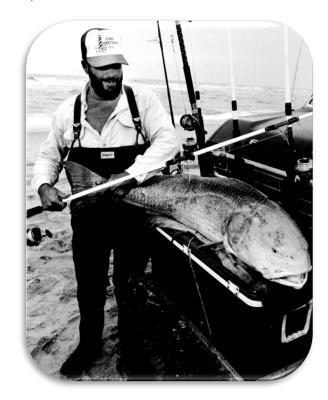
#### History of Fishery Management Plans (FMPs)

Fisheries Reform Act of 1997

To ensure the longterm viability of fisheries in North Carolina

Fishery Management Plans

Guides management using the goal of the FRA



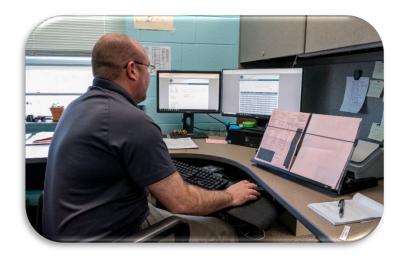
DMF Mission:

"Dedication to ensuring sustainable marine and estuarine fisheries and habitats for the benefit of the people of North Carolina"



#### Fisheries Monitoring Flow







**Data Collection** 



Analysis and FMP Updates



Management



#### What Data Do We Collect?



**Sex and Maturity** 

**Water Quality** 





**Habitat** 

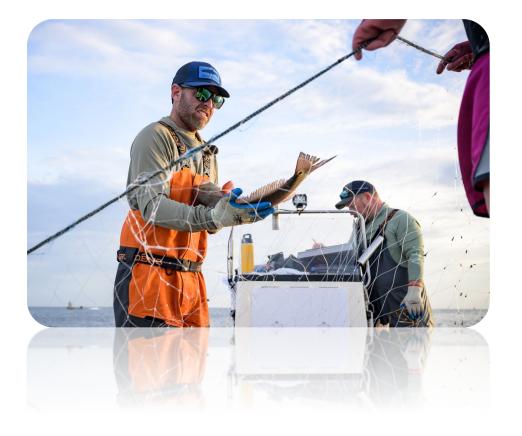


#### How Do We Collect The Data?

#### Dependent

### Independent







#### Data Processing and Storage



Enter Data



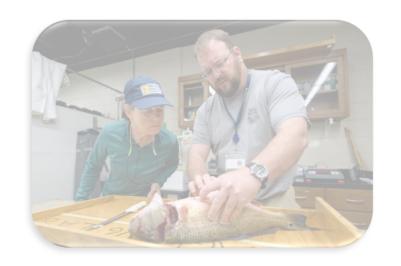
QA/QC Data

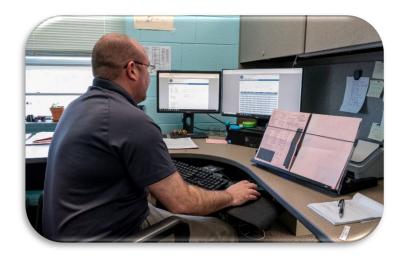


Store Data



### Analysis and Annual FMP Review Fisheries Monitoring Flow







**Data Collection** 



Analysis and FMP Updates



Management



#### Analysis and Annual FMP Review

Each year, data compiled by DMF informs our annual FMP Review.

#### Individual reports done for:

- 13 state-managed species or species groups
- 21 ASMFC or federal species or species groups

#### For each species or species group:

- Summarize data annually for each report
- Update and review trends in data
- Draft updated report
- Review and assess management based on data



#### What is included in the FMP Review?

# North Carolina Division of Marine Fisheries

2023 Fishery Management Plan Review

August 2024



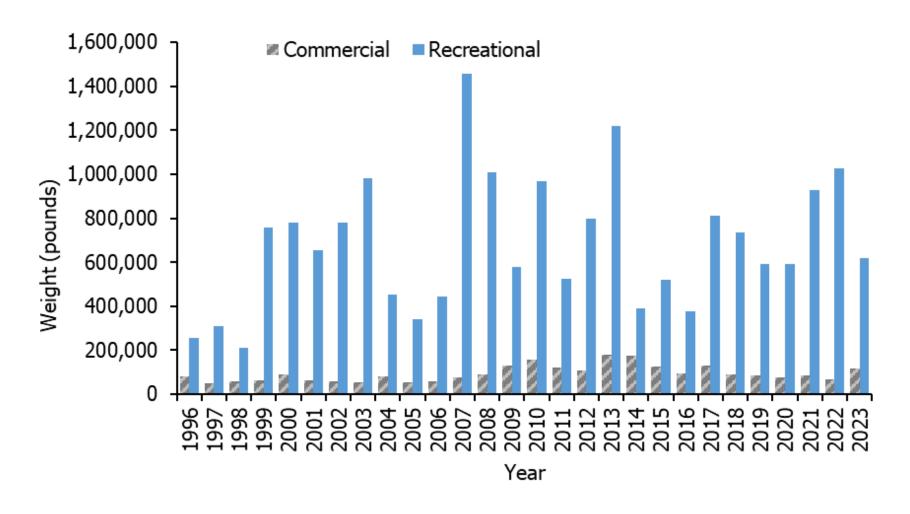
- Presented during August MFC meeting
- Available on the website
- For each species:
  - History of the plan;
  - Management unit;
  - Goal and objectives;
  - Description of the stock;
  - Description of the fishery;
  - Monitoring program data;
  - Research needs;
  - Management strategy; and
  - Recommendation for timing of next FMP Review

# Sheepshead FMP Update example



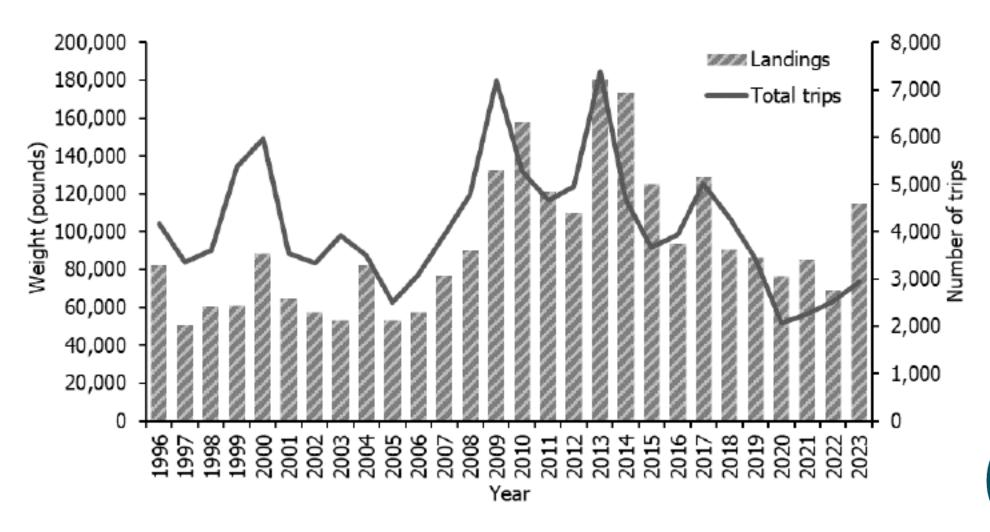


# Sheepshead FMP Update example Annual Commercial and Recreational Landings, 1996–2023



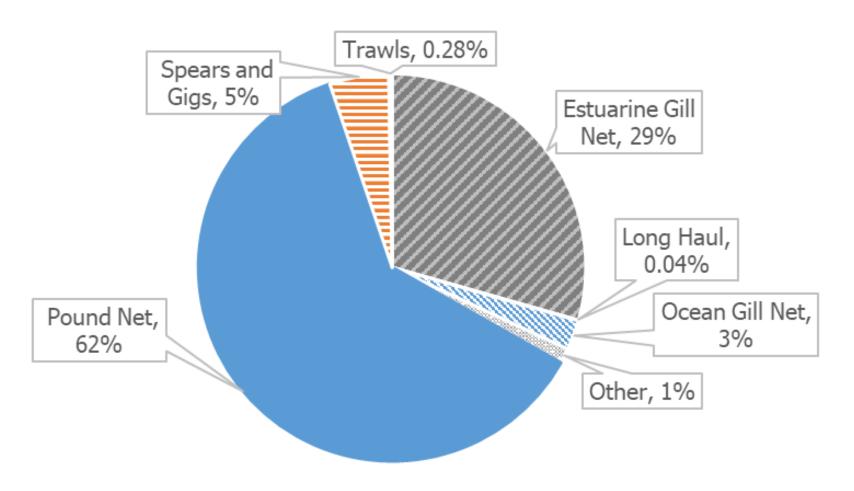


# Sheepshead FMP Update example Annual Commercial Landings, 1996–2023



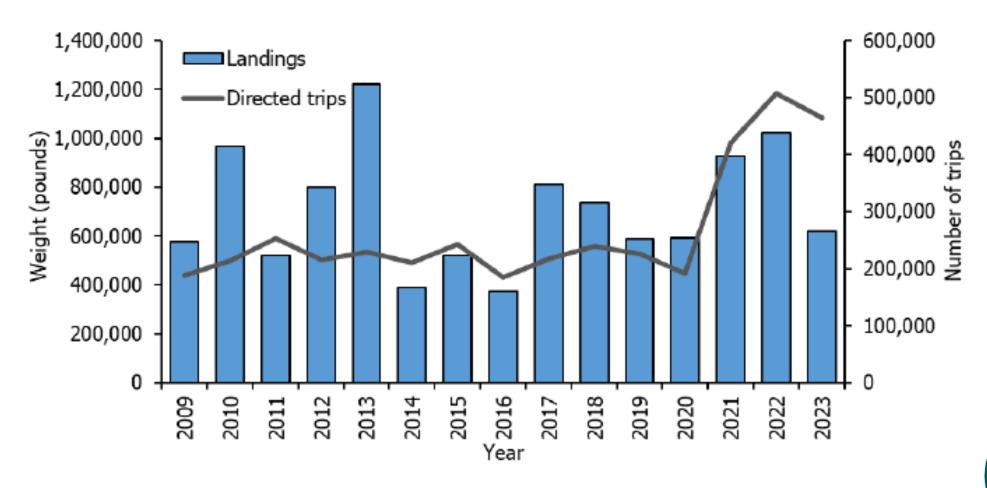


# Sheepshead FMP Update example Annual Commercial Landings By Gear, 2023



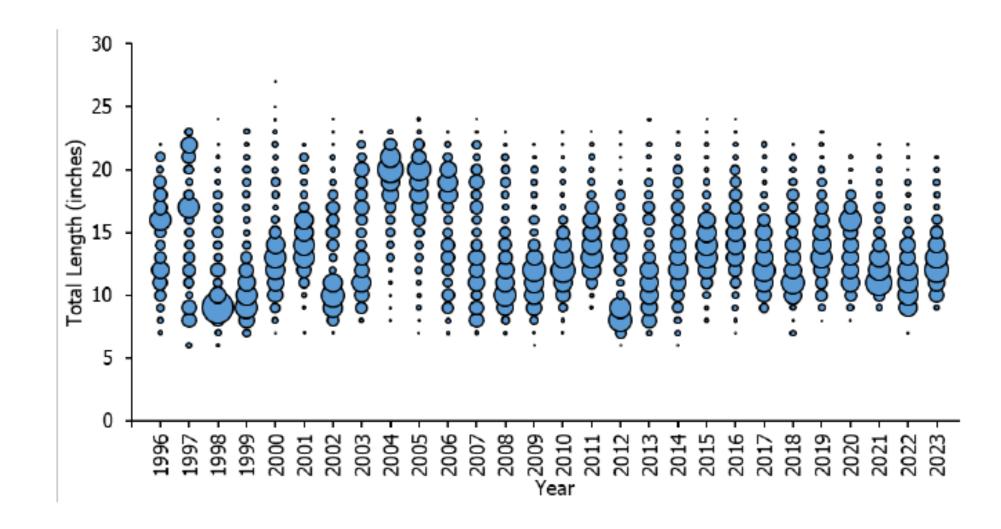


# Sheepshead FMP Update example Annual Recreational Landings, 2009–2023



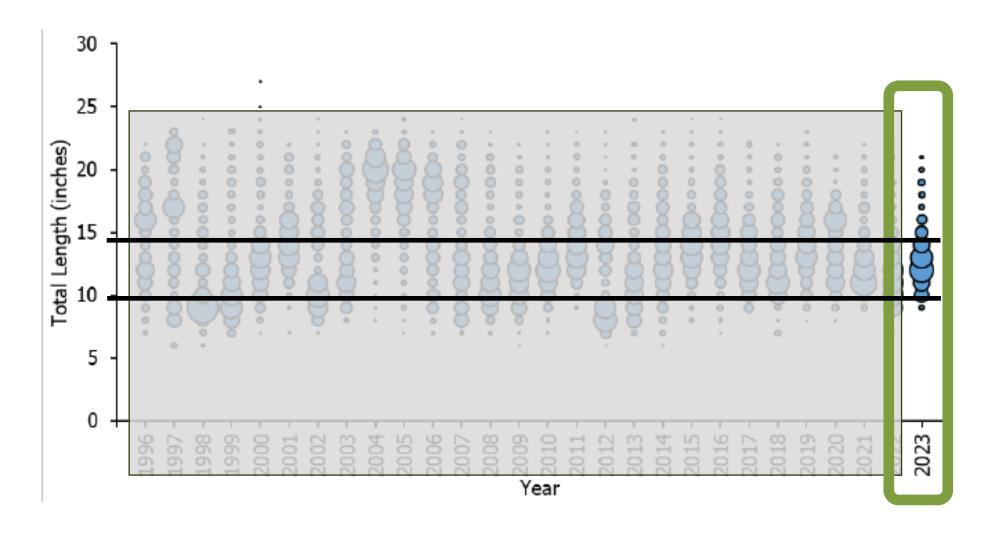


### Sheepshead FMP Update example Length Composition of Harvest for 1996-2023; <u>Commercial</u>



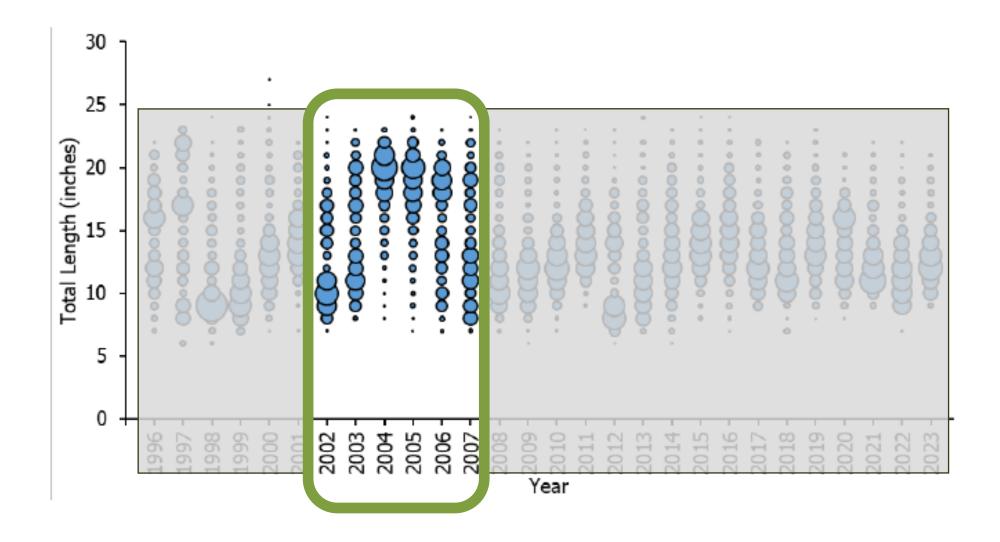


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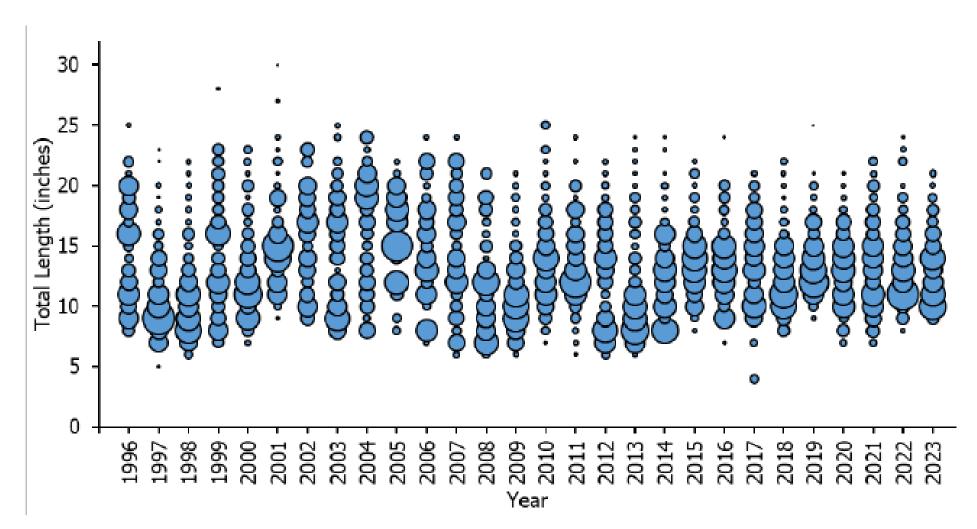


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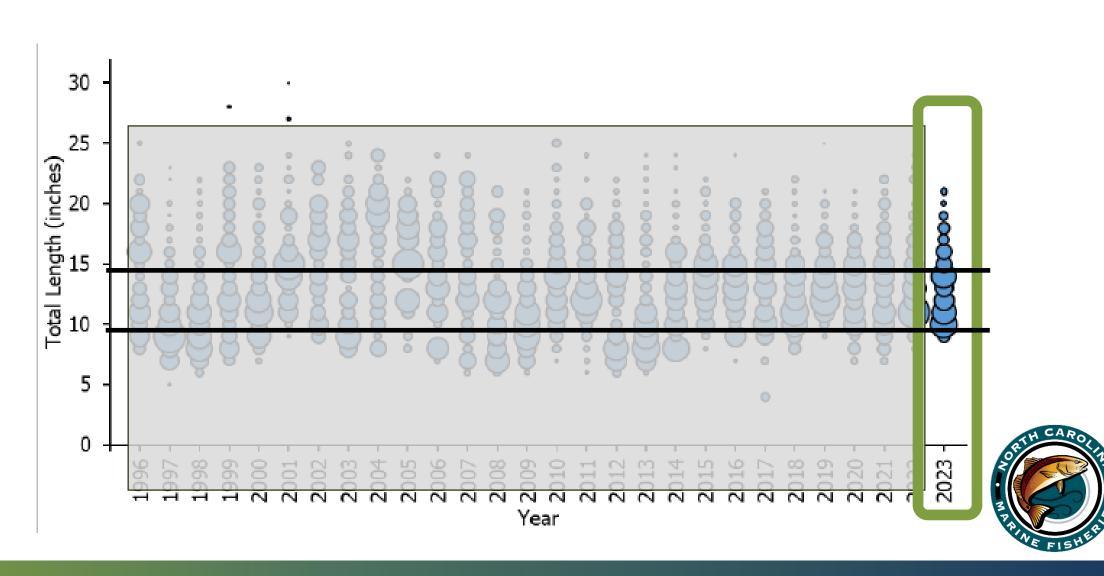


# Sheepshead FMP Update example Length Composition of Harvest for 1996-2023; <u>Recreational</u>

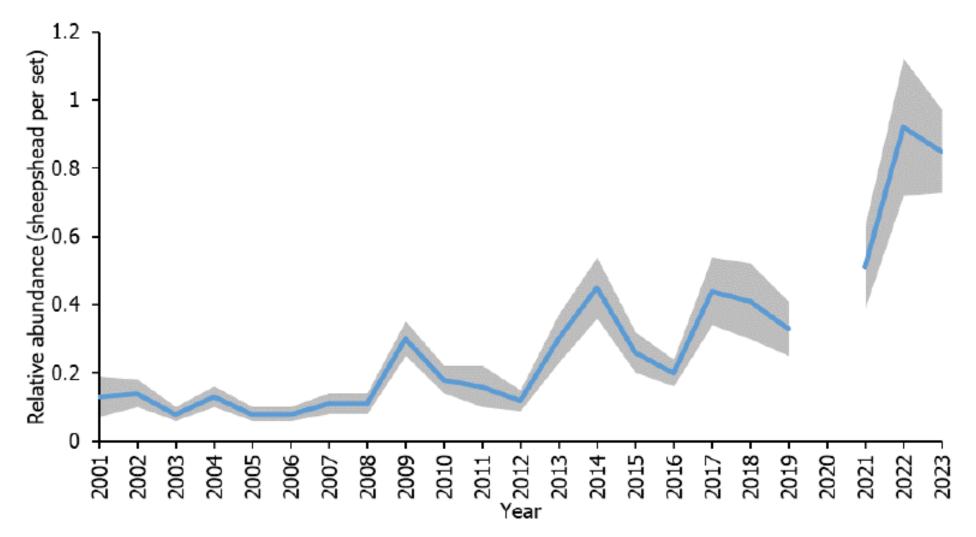




# Sheepshead FMP Update example Length Composition of Harvest for 1996-2023; Recreational

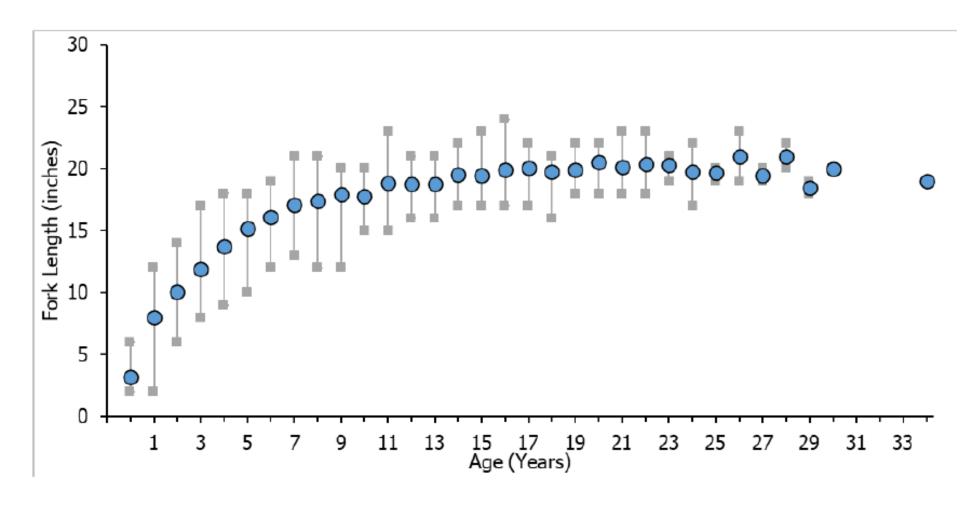


# Sheepshead FMP Update example Index of Abundance from the Pamlico Sound Independent Gill Net Survey





# Sheepshead FMP Update example Age and Growth



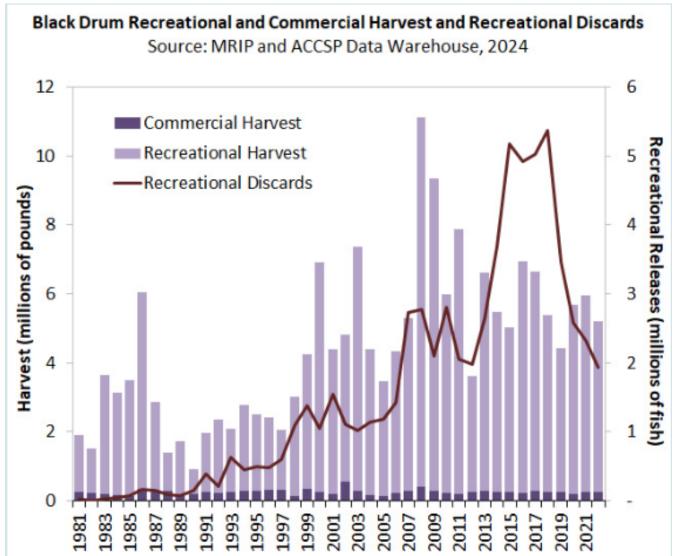


# Black drum FMP Update example



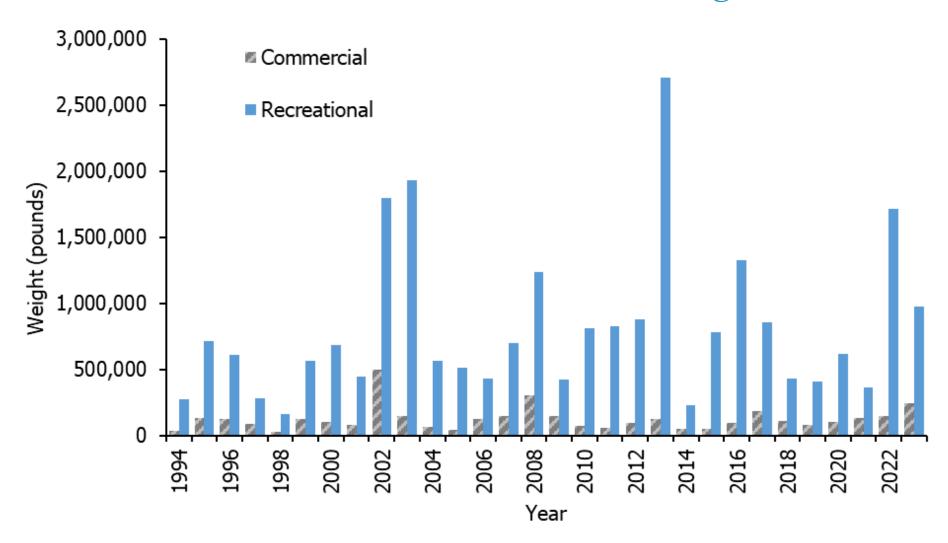


# Black Drum FMP Update example - ASMFC Webpage Annual Coastwide Black Drum Landings, 1994–2022



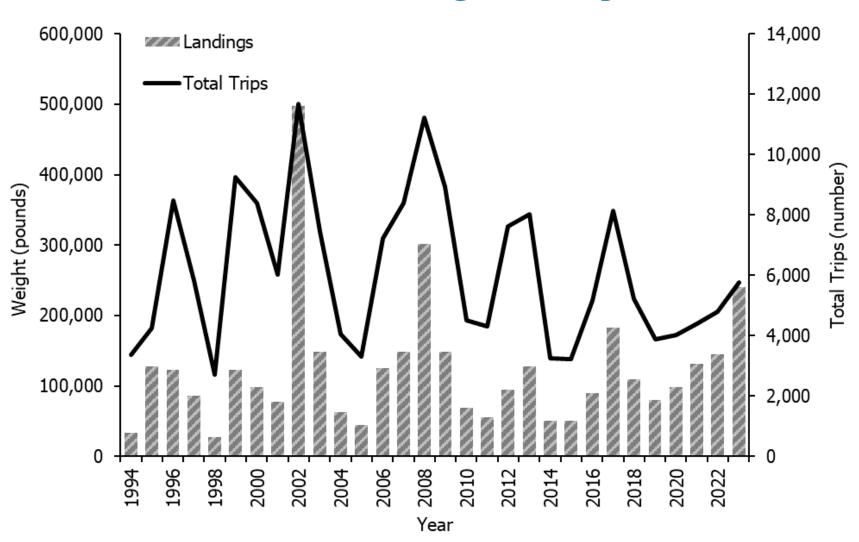


### Black Drum FMP Update example Annual Recreational and Commercial Landings, 1994–2023



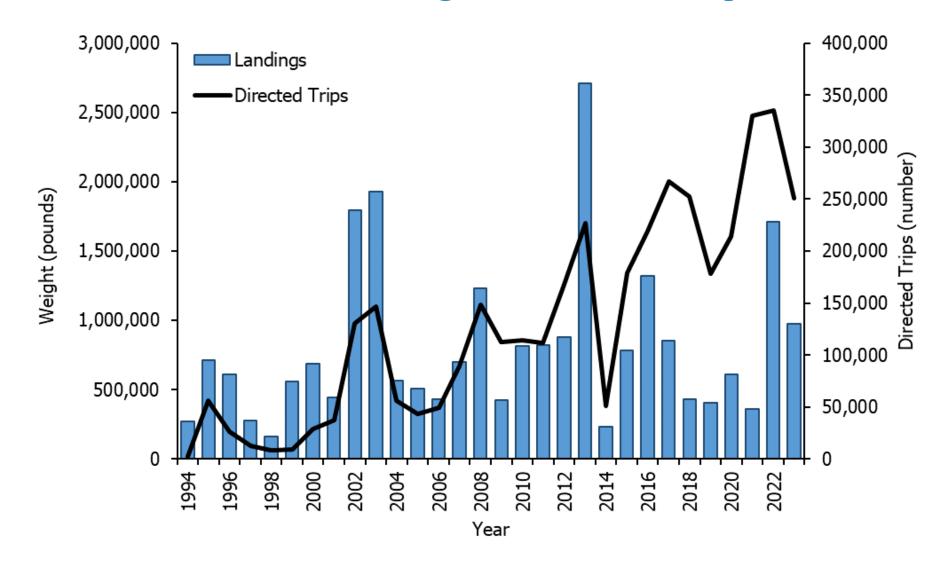


# Black Drum FMP Update example Annual Commercial Landings and Trips, 1994–2023



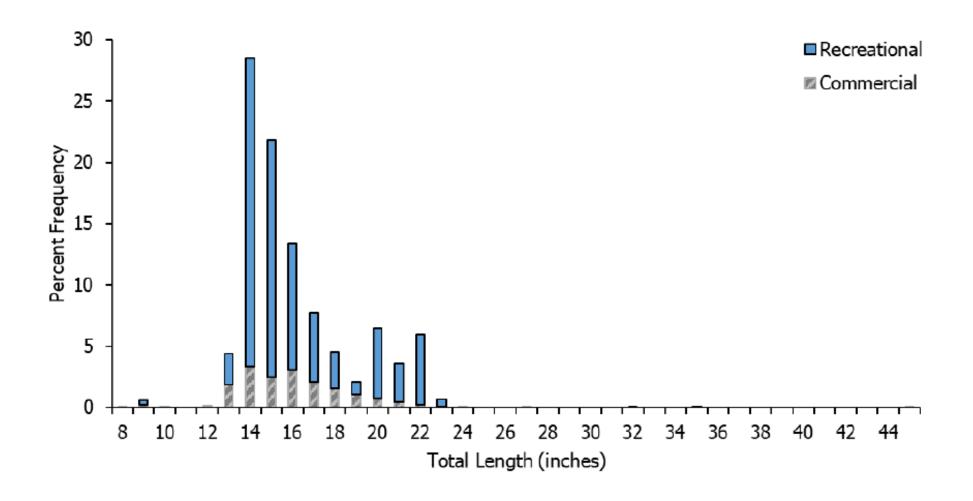


# Black Drum FMP Update example Annual Recreational Landings and Directed Trips, 1994–2023



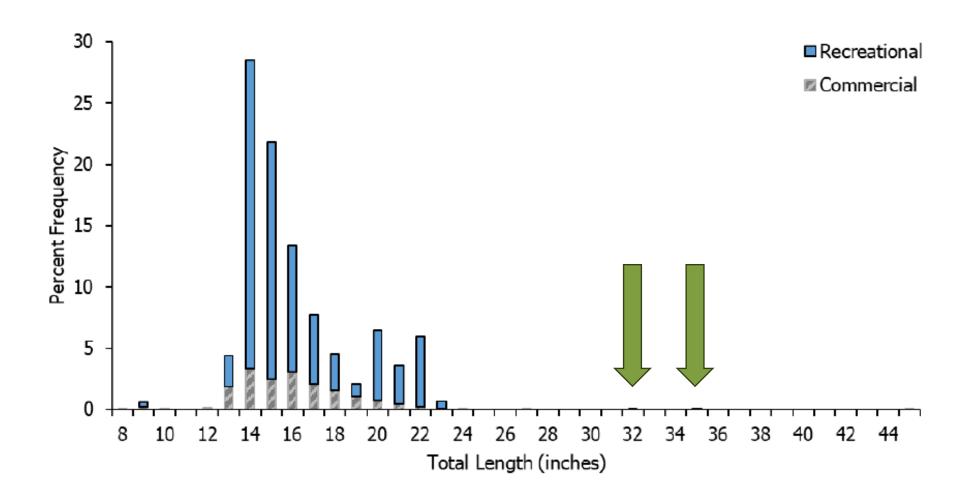


# Black Drum FMP Update example Length Composition of Harvest for 2023-Recreational and Commercial



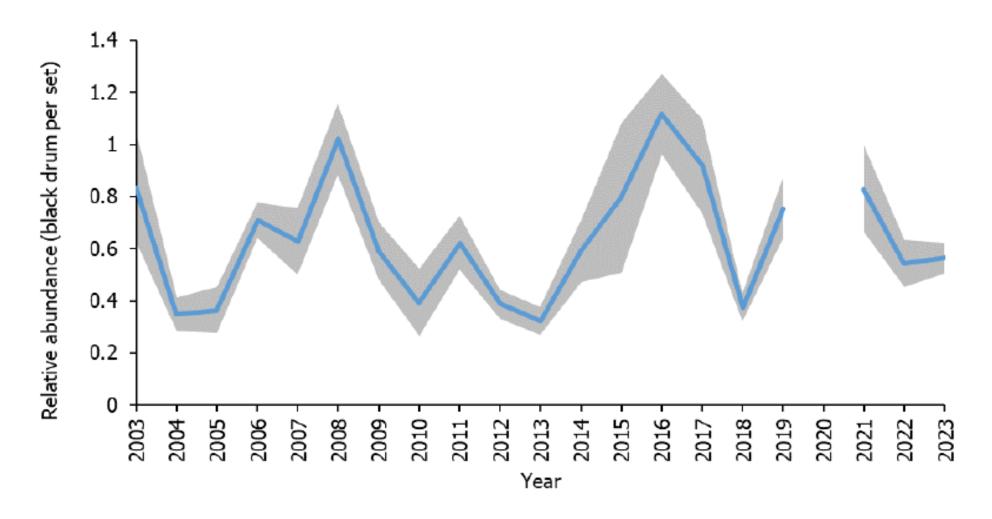


# Black Drum FMP Update example Length Composition of Harvest for 2023-Recreational and Commercial



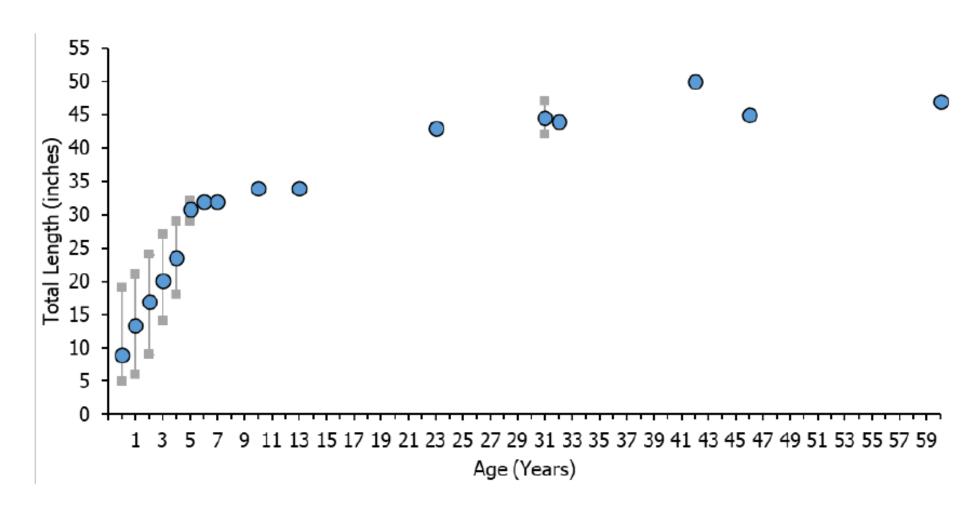


Black Drum FMP Update example Index of Abundance from the Pamlico Sound and Rivers Independent Gill Net Survey



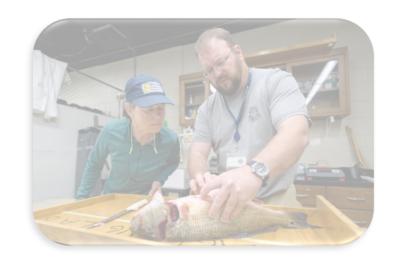


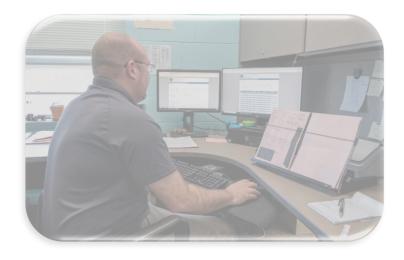
# Black Drum FMP Update example Age and Growth





#### Fisheries Monitoring Flow







**Data Collection** 



Analysis and FMP Updates



Management



- Adaptive management measures are:
  - Adopted by the MFC in an FMP; and
  - oImplemented by the Fisheries Director's proclamation authority.
- Other management changes require a change to the FMP Review Schedule, including for:
  - Timing of stock assessments and assessment updates
  - oEmerging issues that necessitate action earlier than scheduled; or
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- If a schedule change is needed:
  - DMF requests a schedule change from the DEQ Secretary based on available data.
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SPOTTED SEATROUT (2/12)*					
EASTERN OYSTER (2/17)^					
HARD CLAM (2/17)^					
RED DRUM (8/17)					
KINGFISHES (8/20)					
BLUE CRAB (2/20)					
BAY SCALLOP (8/20)					
SHRIMP (2/22)					
SOUTHERN FLOUNDER (5/22)					
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