

NOAA FISHERIES

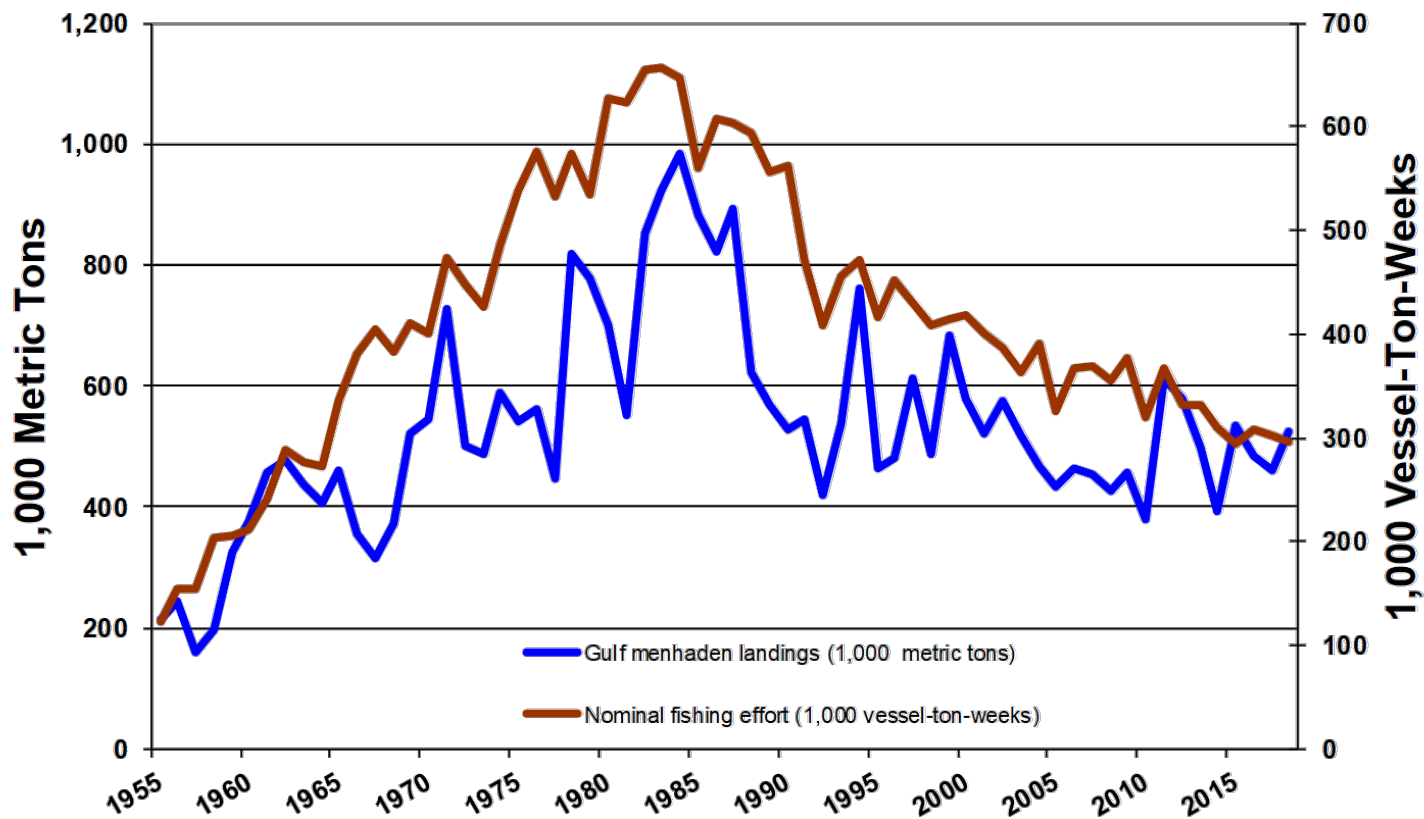
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Review of the 2018 Gulf Menhaden Fishery and Forecast for the 2019 Fishing Season



GSMFC Spring Meeting
New Orleans, Louisiana
March 19, 2019

Historical Landings and Nominal Fishing Effort



Final Landings for the 2018 Gulf Menhaden Fishing Season

- 525,635 metric tons, or 1,729 million standard fish
 - Increase of 14.1% from 2017 (460,707 mt)
 - Increase of 10.8% from previous 5-yr average (474,322 mt)



2018 Gulf Menhaden Season

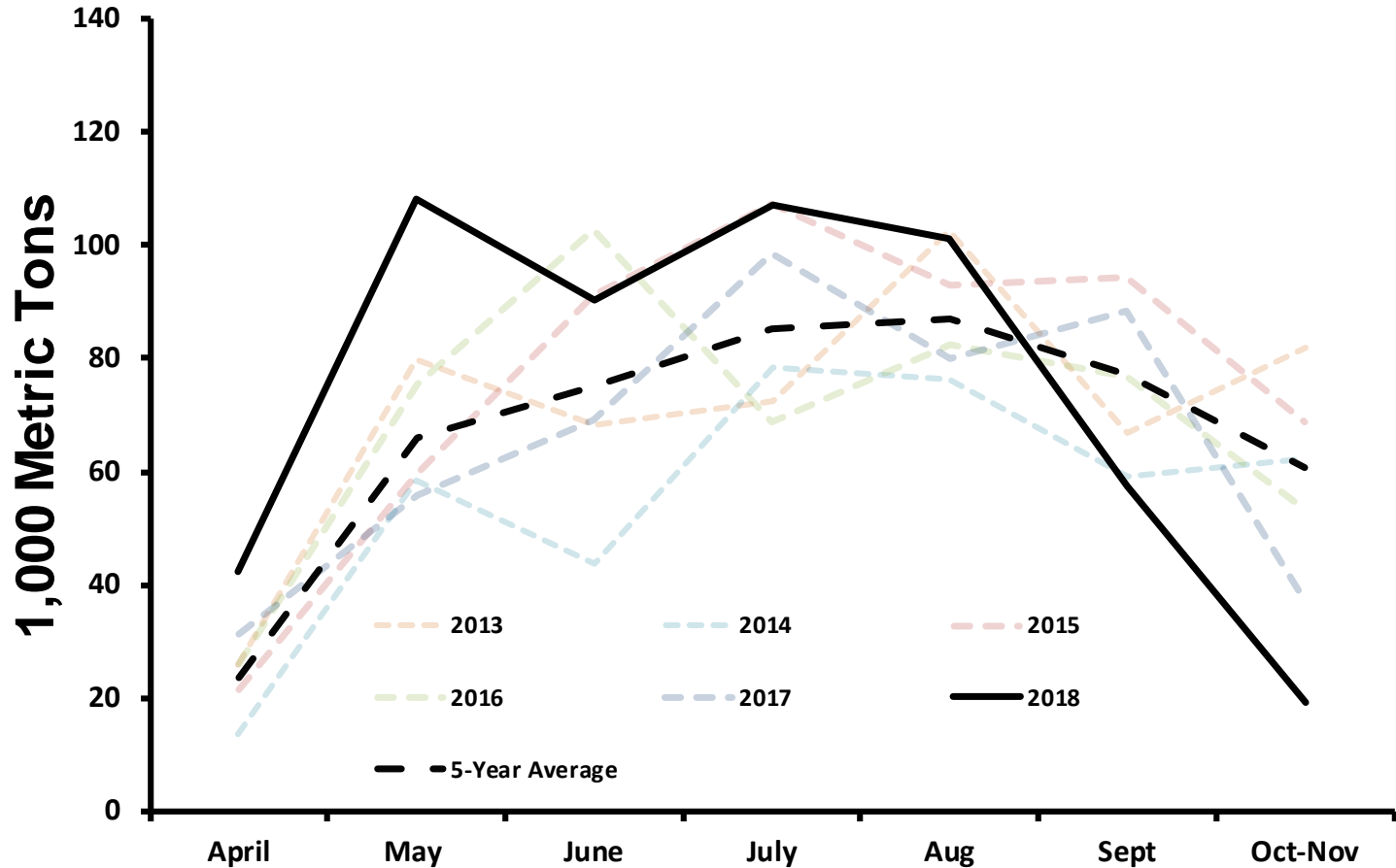
- Three menhaden factories active in the northern Gulf of Mexico in 2018:
 - Moss Point, MS; Empire, LA; and Abbeville, LA
- Wetter-than-average spring
 - High river/nutrient flow
- Average Gulf of Mexico Hypoxic Zone
- Active hurricane season
 - Two active tropical cyclones in Gulf of Mexico

2018 Landings by Month

Month	Landings (Metric tons)
April	42,293
May	108,041
June	90,348
July	107,153
August	101,233
September	57,423
Oct./Nov.	19,144
Total	525,635



2018 Landings by Month



Vessel Participation in 2018

- 33 vessels fished in 2018
 - 28 regular factory vessels
 - Five run boats
- 296,700 vessel-ton-weeks in 2018
 - Decreased 1% from 2017 (301,300 vessel-ton-weeks)



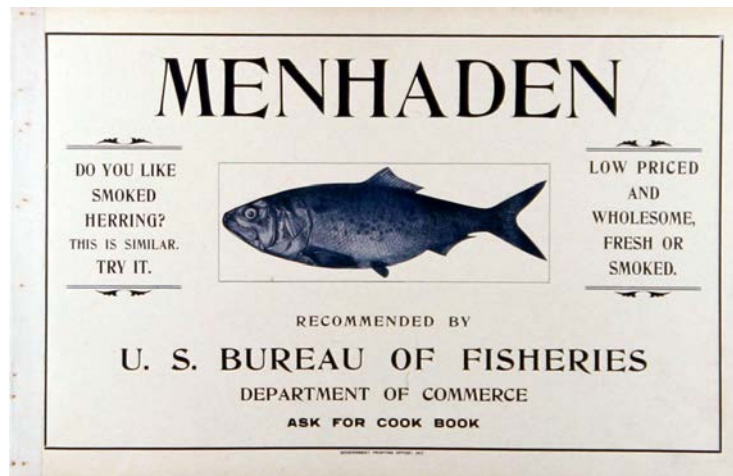
Age Compositions in 2018 by Port

from preliminary catch-at-age matrix

- Critical equipment failure at the beginning of the 2018 fishing season
- Menhaden Program updates already underway
- Data collection complete
- Preliminary results show:
 - High agreement between methods
 - Low Average Percent Errors (APE)

How do 2018 landings compare to the March 2018 Forecast?

- 2018 Final Landings 525,635 mt
- March 2018 Forecast 423,000 mt w/ 301,000 v-t-wks of nominal effort
 - Actual landings 24% higher
- “Hindcast” for 2018 441,314 mt w/ 296,700 v-t-wks of nominal effort
 - Actual landings 19% higher



2019 Gulf Menhaden Forecast

- For 2019, we expect:
 - As in 2019, three factories active: Moss Point, Empire, and Abbeville
 - 33 vessels: 27 regular factory vessels, up to 5 run boats, and one bait boat
 - We estimate 291,300 vessel ton weeks of nominal fishing effort in 2019
 - Forecast for 2019 landings of 454,000 mt
 - w/ 80% CI of 334,000 and 574,000 mt

2019 Gulf Menhaden Forecast, continued

- Forecast Report available end of this week at NMFS Fishery Market News website:

<https://www.st.nmfs.noaa.gov/commercial-fisheries/market-news/index>

- Note to Industry:
 - Blank CDFR forms and Guidebooks to be sent to the fish factories next week.

CAPTAIN'S DAILY FISHING REPORT

Net Number: _____

VESSEL NAME: GULF SHORE DATE: 6/23/11 OFFICE USE ONLY

PLANT: POSSPORT month: 6 day: 23 year: 11 VESSEL NUMBER: _____

PLANT NUMBER: _____

IF VESSEL DID NOT LEAVE THE DOCK ON THIS FISHING DAY, CHECK HERE IF VESSEL LEFT THE DOCK AND DID NOT MAKE ANY SETS ON THE FISHING GROUND ON THIS FISHING DAY, CHECK HERE

SET NO.	TIME (Midway)		FISH #/000	PLANT NO.	CDFR 5-DIGIT CODE	GPS (lat., lon. - in Degrees, minutes, decimal seconds)		MILES TO SHORE	WEATHER CONDITIONS			
	START	END				LATITUDE	LONGITUDE		Cloud Cover	Air Temp	Wind Dir	Wind Speed
1	8:15	8:55	50	43	55336	29 24 61	89 23 25	11.5	3	87	110	0
2	9:25	9:55	95	0	55337	29 24 54	89 23 28	2.3	3	84	110	5
3	10:10	10:45	60	44	55336	29 24 10	89 23 28	11.8	3	86	110	0
4	12:15	13:10	125	0	55325	29 26 41	89 28 06	2.0	3	86	115	0
5												
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15												

PUMP OUT: _____ COMMENTS: _____

DATE/TIME RETURN TO DOCK: 6/23/11 16:15 hrs Capt. Fat Back

CAPTAIN'S SIGNATURE
FORM CDFR 5517-100-001