



Atlantic States Marine Fisheries Commission

1050 N. Highland Street • Suite 200A-N • Arlington, VA 22201
703.842.0740 • 703.842.0741 (fax) • www.asmfc.org

MEMORANDUM

May 9, 2014

To: Northern Shrimp Section
Northern Shrimp Advisory Panel

From: Marin Hawk, FMP Coordinator

Subject: Northern Shrimp Section Meeting on June 4, 2014

The ASMFC Northern Shrimp Section will have a meeting on June 4, 2014 to discuss continued management of Northern Shrimp. The meeting will be held at the Urban Forestry Center in Portsmouth, NH at 1:00 p.m.

This memorandum includes the draft agenda, travel authorization and meeting details. The final SAW/SARC Report and other supplemental materials will be sent out at a later date.

If you have any questions or concerns, please contact me at 703-842-0740 or mhawk@asmfc.org.

M14-44

Atlantic States Marine Fisheries Commission

Northern Shrimp Section

*June 4, 2014
1:00 p.m. – 4:00 p.m.
Portsmouth, NH*

Draft Agenda

The times listed are approximate; the order in which these items will be taken is subject to change;
other items may be added as necessary.

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| 1. Welcome/Call to Order (<i>M. Armstrong</i>) | 1:00 p.m. |
| 2. Board Consent | 1:05 p.m. |
| • Approval of the Agenda | |
| 3. Public Comment (on topics not on the agenda) | 1:10 p.m. |
| 4. Update on SAW/SARC Assessment (<i>K. Whitmore</i>) | 1:15 p.m. |
| 5. Update on 2013 ME/ NH Fall Trawl Survey and winter 2014 test tows
(<i>M. Hunter</i>) | 2:15 p.m. |
| 6. Plan Development Team Report (<i>M. Hawk</i>) | 2:45 p.m. |
| 7. Discuss next steps for management | 3:00 p.m. |
| 8. Elect vice chair (<i>M. Armstrong</i>) | 3:45 p.m. |
| 9. Other Business/Adjourn | 4:00 p.m. |

The meeting will be held at the Urban Forestry Center in Portsmouth, NH.

Vision: Sustainably Managing Atlantic Coastal Fisheries



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MEMORANDUM

May 23, 2014

TO: Northern Shrimp Section
FROM: Northern Shrimp Plan Development Team
SUBJECT: Developing Limited Entry

At the Northern Shrimp Section (Section) meeting in December 2013, the Section asked the Plan Development Team (PDT) to determine the number of vessels that the Northern shrimp fishery could support if harvest was 3,000 – 4,000 metric tons (mt). The PDT held several calls to complete this task. The variable catch rates and effort in the fishery make it difficult to determine the ideal number of vessels with harvest at that level. To accommodate this variability, the PDT determined averages of several factors for the Section to consider, using data from 2008-2012. The PDT felt that the data in those years are most likely to reflect current and future conditions, and allow for separate analysis of the trap and trawl fisheries. Please note that all numbers provided are averages for the time series, and any variability in other factors (number of trips, length of season, vessel size) would result in different numbers.

Trap Fishery

Assuming landings are 4,000 mt, the trap fishery would be allocated 520 mt (13% of the TAC, as outlined in Addendum I to Amendment 2). Average annual landings from 2008 to 2012 for the trap fishery are 699 mt. On average, there were 111 vessels in the fishery that took 1,478 trips over a 119 day season. So, each vessel landed approximately 6.3 mt each year. If landings were 520 mt, **the trap fishery could accommodate 83 vessels**, if the number of trips, season length and other important factors (vessel size, catch rates) remained constant.

Table 1. Factors to consider when determining the number of vessels the Northern shrimp trap fishery could support.

Year	Landings	No. of vessels	Trips	Season length	Avg price/lb	Biomass estimate (1000 mt)
2008	790.8	94	1,592	152	0.49	32.9
2009	379.8	78	906	180	0.40	25.2
2010	1,207.6	112	1,907	156	0.52	20.1
2011	925.3	143	2,017	90	0.75	11.6
2012	193.1	131	968	17	0.95	5.0
<i>Average</i>	<i>699.3</i>	<i>112</i>	<i>1,478</i>	<i>119</i>	<i>0.62</i>	<i>19.0</i>

Trawl Fishery

Under the same assumptions as above (4,000 mt landings, with 87% allocated to trawl), the trawl fishery would be allocated 3,480 mt. Average annual landings from 2008-2012 were 3,796.4 mt. Each year, there were on average 154 vessels in the fishery that took 3,299 trips over a 120 day season. Annually each vessel landed approximately 24.7 mt. With landings at 3,480 mt, **the trawl fishery could accommodate 141 vessels** if other factors remained constant.

Table 2. Factors to consider when determining the number of vessels the Northern shrimp trawl fishery could support.

Year	Landings	No. of vessels	Trips	Season length	Avg price/lb	Biomass estimate (1000 mt)
2008	4,171.6	140	2,571	152	0.49	32.9
2009	2,121.4	92	2,096	180	0.40	25.2
2010	4,933.2	144	4,072	156	0.52	20.1
2011	5,472.2	199	5,078	90	0.75	11.6
2012	2,283.8	193	2,680	21	0.95	5.0
<i>Average</i>	<i>3,796.4</i>	<i>154</i>	<i>3,299</i>	<i>120</i>	<i>0.62</i>	<i>19.0</i>

The above estimates are extremely simplified. The number of vessels that the fishery could support is based on many factors, including but not limited to, market conditions, season length, vessel size, and catch rates.

If landings were reduced to the 3,000 mt level, and the above estimates were scaled back accordingly, the fisheries could accommodate 62 trap vessels and 106 trawlers.

For reference, Table 3 outlines the number of vessels by state and the average number of vessels during 2008-2012.

Table 3: Number of vessels (trawl only) in Gulf of Maine northern shrimp fishery by state.

Year	Maine	Massachusetts	New Hampshire
2008	121	4	15
2009	80	1	11
2010	124	6	14
2011	172	12	19
2012	163	14	17
<i>Average</i>	<i>132</i>	<i>7</i>	<i>15</i>

If you have any questions or would like more information, please contact Marin Hawk (mhawk@asmfc.org; 703-842-0740).