

Atlantic States Marine Fisheries Commission

Horseshoe Crab Adaptive Resource Management Modeling Workshop II

Draft Agenda

February 24th-26th, 2021

Webinar: <https://global.gotomeeting.com/join/965677981>

You can also dial in using your phone.

United States: +1 (872) 240-3412; Access Code: 965-677-981

Wednesday, February 24th (MWG and ARM Subcommittee)

- 9:00 am** Welcome (J. Sweka)
- 9:10 am** Recap of ARM Revision Models and Progress (J. Sweka)
- 9:30 am** Discuss Objective Statement (W. Walsh)
- Current Objective Statement: *Manage harvest of horseshoe crabs in the Delaware Bay to maximize harvest but also to maintain ecosystem integrity and provide adequate stopover habitat for migrating shorebirds.*
- 10:15 am** New Jersey Red Knot Data (M. Dey)
- 10:40 am** Updates on 2021 Surveys (K. Anstead)
- Check in with state representatives on the status of surveys (Delaware Spawning Survey and Adult Trawl, New Jersey Ocean Trawl, Virginia Tech Trawl, Red Knot Surveys)
- 10:50 am** Break
- 11:00 am** Red Knot Analysis Results (J. Lyons)
- 12:00 pm** Lunch
- 1:00 pm** Continue Red Knot Analysis Discussion (J. Lyons)
- 2:00 pm** Revised HSC & RK Simulation Model Updates (B. Nuse)
- Horseshoe Crab simulation model
 - Red Knot simulation model
 - Linkages between HSC and RK
- 2:45 pm** Break

3:00 pm Continue Revised HSC & RK Simulation Model Updates (B. Nuse)
4:00 pm Adjourn

Thursday, February 25th (MWG and ARM Subcommittee)

9:00 am Welcome (J. Sweka)
9:10 am Discuss Policy Function (B. Nuse)
10:30 am Harvest Policy Rules for Use in Approximate Dynamic Programming (B. Nuse/P. Fackler)
12:00 pm Lunch
1:00 pm Continued Model and ADP Discussions
2:00 pm Break
2:15 pm Continued Model and ADP Discussions
4:00 pm Adjourn

Friday, February 25th (MWG and ARM Subcommittee)

9:00 am Welcome (J. Sweka)
9:10 am Continued Model and ADP Discussions (if needed)
10:30 am List Research Recommendations
11:00 am Discuss Implementation of Revised ARM Model

- Software and data needs, yearly timing

12:00 pm Discuss Peer Reviewers (K. Anstead)

- ARM suggests potential peer reviewers

12:15 pm Review Timeline, Future Call Dates, and Next Steps (K. Anstead)
1:00 pm Adjourn

Committee Membership

Adaptive Resource Management Subcommittee

John Sweka (Chair), US Fish and Wildlife Service
James Lyons (Vice Chair), US Fish and Wildlife Service
Kristen Anstead, Atlantic States Marine Fisheries Commission
Linda Barry, New Jersey Division of Fish and Wildlife
Henrietta Bellman, Delaware Division of Fish and Wildlife
Jason Boucher, Delaware Division of Fish and Wildlife
Steve Doctor, Maryland Department of Natural Resources
Conor McGowan, USGS Alabama Cooperative Fish and Wildlife Research Unit
Lawrence Niles, Conserve Wildlife Foundation of New Jersey
David Smith, USGS Leetown Science Center
Caitlin Starks, Atlantic States Marine Fisheries Commission
Wendy Walsh, US Fish and Wildlife Service

Additional ARM Model Work Group Collaborators:

Paul Fackler, North Carolina State University
Clint Moore, University of Georgia
Bryan Nuse, University of Georgia

Horseshoe Crab Delaware Bay Ecosystem Technical Committee

Wendy Walsh (Chair), US Fish and Wildlife Service
Henrietta Bellman (Vice Chair), Delaware Division of Fish and Wildlife
Kristen Anstead, Atlantic State Marine Fisheries Commission
Amanda Dey, New Jersey Division of Fish and Wildlife
Adam Kenyon, Virginia Marine Resources Commission
Steve Doctor, Maryland Department of Natural Resources
Eric Hallerman, Virginia Tech University
Mike Millard, US Fish and Wildlife Service
Caitlin Starks, Atlantic States Marine Fisheries Commission
Jordan Zimmerman, Delaware Division of Fish and Wildlife

ARM Revision Timeline

Item	People	Purpose	Date(s)
Modeling Workshop 2	ARM & MWG	Continue/Finish work from 1 st workshop	February 24-26, 2021
Prelim Report Deadline	MWG		March 2021
Staff communicate with Pat Campfield about scheduling peer review	Staff		March 2021
ARM Report Review	ARM	Review/Edit Report	Mid to late April, 2021
DBETC & HSC TC Review	Subgroup, DBETC, HSC TC		Mid-May, 2021
Peer Review Prep	MWG		Late May to early June, 2021
Peer Review Workshop	TBD		3 days, June-July, 2021
Post-Review		Develop PR report and presentations	Early August, 2021
ASMFC Spring Meeting	ARM Chair, PR Chair	Present final reports	August, 2021