Atlantic States Marine Fisheries Commission

Horseshoe Crab Adaptive Resource Management Subcommittee

ARM Model Update Data/Methods Webinar Workshop

Draft Agenda

April 21 – 23, 2020
Conference Call Phone Number: 1-888-585-9008
Room Number: 275-479-282

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.

Tuesday, April 21

Webinar: https://global.gotomeeting.com/join/190687501

1) Welcome/Introductions (*J. Sweka*)	1:00 p.m.
2) Meeting Goals and Objectives (*J. Sweka*) • ARM Overview • Review of ToRs	1:05 p.m.
3) NJ Survey Data (*L. Barry*)	1:20 p.m.
4) DE Survey Data (Trawl and Beach) (*J. Boucher*)	1:45 p.m.
5) VA Tech Survey Data (*E. Hallerman*)	2:15 p.m.
6) Break	2:45 p.m.
7) NEAMAP Survey Data (*K. Anstead*)	3:00 p.m.
8) Delaware Bay Regional Bait Landings (*K. Anstead*)	3:30 p.m.
9) Coastwide Biomedical Data (*M. Schmidtke*) • Mortality Projection	3:50 p.m.
10) Other Business/Adjourn	4:30 p.m.

Wednesday, April 22

Webinar: https://global.gotomeeting.com/join/505994181

1) Horseshoe Crab Commercial discards and mortality rates (*K. Anstead*)	8:30 a.m.
2) Horseshoe Crab Natural Mortality (*D. Smith*)	9:30 a.m.
3) Break	10:15 a.m.

4) Definition of Delaware Bay-Origin Crabs
    • Tagging Data, Mark-Recapture Models and Results (*D. Smith*)
    • Genetics and Movement Data/Literature (*E. Hallerman*)
	10:30 a.m.

5) Lunch	12:00 p.m.

6) Red Knot Data (*J. Lyons*)
    • Abundance
    • Weight Gain
    • Fecundity
    • Survival
    • Stopover Timing and Duration
    • Arctic Snow
	1:00 p.m.

7) Break	2:45 p.m.

8) Horseshoe Crab Population Model (*K. Anstead, J. Sweka*)
    • CMSA Model Description
    • Potential Updates to Benchmark CMSA (NEAMAP, Male Model)
    • Define Stock-Recruit Relationship
    • Projections to Estimate K
	3:00 p.m.

9) Other Business/Adjourn	4:30 p.m.

Thursday, April 23

Webinar: https://global.gotomeeting.com/join/541334989

1) Red Knot Population Model (*J. Lyons*) • Model Overview • Weight Gain Model – Weight States, Parameter Estimation, and Time Period Definition • Interaction Models and Model Weights	8:30 a.m.
2) Break	10:15 a.m.
3) Objective and Utility Functions (*C. McGowan, J. Sweka*) • Threshold Values • Sex Ratio Constraint	10:30 a.m.
4) Lunch	12:00 p.m.
The rest of the agenda is primarily for the Modeling Subgroup. The ARM SC and public are welcome but not required to listen in.	
5) MDPSolve Overview (*P. Fackler*)	1:00 p.m.
6) Model Migration (*Modeling Subgroup*) • ADMB CMSA Model Use/Migration • R Projection Model Use/Migration • Binning	1:30 p.m.
7) Break	2:45 p.m.
8) Continued Model Migration Discussion	3:00 p.m.
9) Other Business/Adjourn	4:30 p.m.