



## New England Fishery Management Council

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## COUNCIL SOLICITING CONTRACT WORK

### **Project Description**

The New England Fishery Management Council (NEFMC) requires the services of an independent contractor to assist NEFMC staff in developing and communicating the results from a recent Management Strategy Evaluation (MSE) of Atlantic herring Acceptable Biological Catch (ABC) control rules (CRs). This is a temporary contractor role, and the contractor is expected to work 40 hours per week for a three-month period commencing on or about June 1, 2017 and ending on or about August 31, 2017. The preferred work location is at the NEFMC office in Newburyport, MA. However, if relocating to Newburyport for this position is not feasible, a remote location may be approved, provided the candidate is available to meet with NEFMC staff periodically in-person during the contract period.

### **Statement of Work**

The primary role of this position is to support development and communication of results from a recent MSE for Atlantic herring ABC CRs. Effectively communicating MSE output is a recognized challenge, and the NEFMC is seeking a contractor to help synthesize data and translate MSE results to different audiences. The ideal candidate would be able to: 1) develop graphical displays of MSE data and results in various formats; 2) independently and collaboratively draft summary narrative text describing the results of recent MSE work, as well as more general descriptive narrative to help guide stakeholders and NEFMC members in interpreting and utilizing MSE analyses; 3) collaborate with other technical experts; and 4) potentially present results to various audiences. The resulting summaries and analyses will ultimately be incorporated into the Draft Environmental Impact Statement (DEIS) being prepared for Amendment 8 to the Atlantic Herring Fishery Management Plan (FMP).

### **Desired Experience and Demonstrated Skills**

1. Expertise with data visualization methods and familiarity with fishery MSE analyses and infographics. Experience producing variety of MSE results (e.g. boxplots, spider and rose plots, various tradeoff plots, etc.).
2. Familiarity with Decision Support Tables (DSTs) and potential scoring systems to compare control rule alternatives.
3. Strong writing and communication skills. Experience interacting with fishery stakeholders and managers.
4. Experience with R statistical program.
5. Education requirement is undergraduate degree, with preference likely given to candidates with graduate degree in related fields.
6. Interest in fisheries management and policy development.

### **Expected Responsibilities and Deliverables**

1. Draft guidance narrative to help stakeholders and the NEFMC understand how MSE results should be interpreted in general.
2. Develop infographics for Amendment 8 document and meeting materials.
3. Draft detailed narrative describing MSE results as well as key summary points and findings with captions and text boxes. This work will be done independently and in collaboration with other MSE analysts.
4. Prepare presentation slides that can be used to summarize results at meetings.
5. Prepare detailed appendices of all results to be included in Herring Amendment 8.
6. Summarize MSE methods and results for general audiences.

Examples of graphics and results that are needed:

- Results across metrics for the same control rule to compare tradeoffs within a single ABC CR.
- Results for one CR across various operating models (currently 4 different operating models).
- Presentation of percentiles or quartiles around median results.
- Present results that optimize for one metric and plot outcomes for other objectives to help compare alternatives.

### **Additional Responsibilities (Subject to Time and Budget Availability)**

1. Analysis of how CR parameters influence performance of CRs (e.g. General Linearized Model (GLM) analysis of outcomes).
2. Present MSE results (and possibly the NEFMC MSE process used for Atlantic herring ABC control rules) in multiple formats (e.g. reports, website, video).
3. Collaboration on other analyses within NEFMC, time permitting.
4. Support NEFMC informal focus group meeting/survey to understand how these data are best translated.

### **Application Submission Contact**

Interested professionals are encouraged to submit a letter of interest, current resume or CV, examples of similar work completed for other organizations or publications, and budget with expected expenses. Letters of interest and supporting materials should be received **no later than May 30, 2017**, and addressed to Deirdre Boelke, NEFMC, 50 Water Street, Mill 2, Newburyport, MA 01950, or by e-mail to [dboelke@NEFMC.org](mailto:dboelke@NEFMC.org).