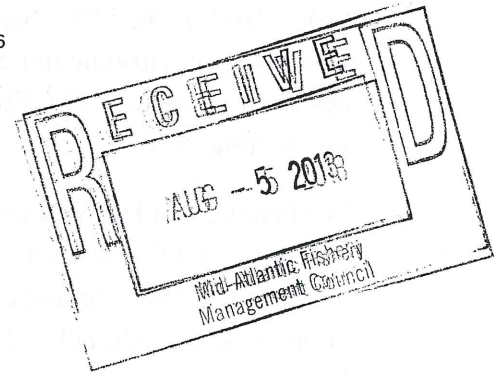




UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
NORTHEAST REGION
55 Great Republic Drive
Gloucester, MA 01930-2276

JUL 31 2013



Dr. Christopher M. Moore
Executive Director
800 North State St.
Dover, DE 19901

Dear Chris:

I would like to nominate Dr. Thomas Noji for membership of the MAFMC's Scientific and Statistical Committee.

Dr. Noji has been the Director of the Northeast Fisheries Science Center's research laboratory in Sandy Hook, NJ since 2011. He is also the Chief of the NEFSC's Ecosystems Processes Division with four research branches, whose mission is to better understand the effects of environmental factors on the productivity of fish and shellfish. The Division has established four multidisciplinary programs to implement priority science for the region – Climate, Ecosystem Research to Support Stock Assessment, Habitat, and Ocean Acidification.

Before taking on the directorship of the Sandy Hook lab, Dr. Noji studied and worked for two decades as an oceanographic and fisheries researcher in Germany and Norway. The range of his scientific experience is broad and includes oceanic as well as coastal investigations. A considerable part of his previous research has been focused on broad-scale effects on productivity and food webs in the subarctic areas of the North Atlantic but also in regional seas off the European coast. His specific activities while in Europe included primary and secondary planktonic production, climate change and carbon sequestration, benthic ecology, and contaminant fluxes. He co-founded Norway's largest marine mapping program (MAREANO). Particularly during his tenure at the federal Institute of Marine Research in Norway, Dr. Noji was increasingly involved in developing recommendations to assist managers to resolve coastal issues related to fisheries and conservation in the North Sea.

Since 2011, when Dr. Noji joined the NEFSC, he and his staff have focused on conducting research on the effects of environmental condition on the status of commercially and recreationally important fish and shellfish species. He was part of the national team to develop a plan to improve assessment of habitats critical to fisheries. He has held presentations to the MAFMC on climate change, and his staff support the Council through numerous activities. Currently these include John Manderson (near real-time modeling of fish abundance and

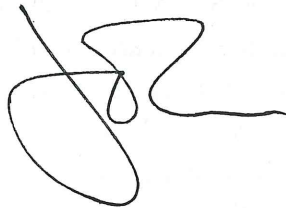


distribution, e.g. butterfly), Jonathan Hare (effects of climate on fish distribution and productivity), David Richardson (larval fish indices to support stock assessment), Chris Chambers (environmental effects of egg viability and growth; PMAFS) and David Packer (deep-sea coral modeling). Dr. Noji would like to see this support to the MAFMC continue and grow in the coming years.

We believe that Dr. Noji could contribute significantly to the operations of the Council's Scientific and Statistical Committee, particularly through his expertise on linking broad- as well as fine-scale environmental effects to the status of fish stocks and sustainability of fisheries. His appointment would help fill the gap in expertise since the departure of Dr. Jason Link from the SSC. The foci of Dr. Noji's research programs align well with the environmental concerns expressed by the Council in the last couple of years, and may help the Council to implement its strategic plan. We believe that with the new research initiatives of his staff on the effects of wind-energy development on living marine resources in the Mid-Atlantic, he may strengthen the ability of the MAFMC to address this particular concern. Also, as the national representative on the ICES Science Committee, he will bring to the Committee knowledge and lessons learned from our European fisheries researchers and managers.

Please contact me if you have any questions regarding this nomination. A copy of Tom's CV is attached. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to be 'JB', with a large loop on the left and a horizontal line extending to the right.

John K. Bullard
Regional Administrator

Short Curriculum vitae - T.T. Noji
July 2013

Thomas Toru Noji, Jr.

Education

- B.S. at Earlham College, Richmond, Indiana, USA; 1976. Major – biology.
- M.S. at the Institute of Marine Research, University of Kiel, Germany; 1985. Major - biological oceanography; minor - zoology and organic chemistry. Thesis - *Interactions between the pelagial and benthal during the fall bloom in Kiel Bight: phytoplankton - zooplankton interactions.*
- Ph.D. at the Institute of Marine Research, University of Kiel, Germany; 1989. Major - biological oceanography; minor - marine zoology and marine chemistry. Thesis - *The influence of zooplankton on sedimentation in the Norwegian Sea.* Advisor.

Employment

- Research scientist, University of Kiel, Germany, 1985-1989.
- Post-doctoral research scientist, University of Tromsø, Norway, and Institute of Marine Research, Bergen, Norway. 1989-1990.
- Senior Researcher, Institute of Marine Research, Bergen, Norway. 1990-2001.
- Director, Howard Marine Sciences Laboratory in Sandy Hook, NJ; Chief, Ecosystems Processes Division at the Northeast Fisheries Science Center (NEFSC), NMFS, 2001- present.

Some Relevant Scientific Projects and Activities

1981-1991: Benthic-pelagic coupling in ecosystems of the Baltic and European Shelf seas

- Research scientist in the interdisciplinary project, *Sedimentation in the European Nordic Seas: The Documentation and History of Oceanic Circulation*, at the University of Kiel, Germany.
- Postdoctoral research scientist investigating benthic-pelagic coupling in fjords at the University of Tromsø, Norway and The Institute of Marine Research, Bergen, Norway.

1991- 1997: Marine biogeochemical cycles, deep-water formation, trophic food webs and production in oceanic ecosystems

- Chief scientist for the project, *Norwegian Image-Analysis Centre for Fisheries and Aquatic Research.*
- Senior scientist in the project, *Spring-bloom dynamics, new production, sedimentation and the biological carbon pump*, European Union Research project, *European Subpolar Ocean Programme*

1998 - 2001: Marine biogeochemical cycles, carbon air-sea exchange, remote sensing, benthos ecology, marine contaminants, coastal habitat management

- Responsible scientist for the project, *Sediment transport in relation to contaminants in the Skagerrak.*
- Responsible scientist for the project, *Ocean sequestration of CO₂ 1997-2001*, off Hawaii.
- Project coordinator of the multidisciplinary project, *Transport and Cycling of Contaminants in the Skagerrak (TRACCS).*
- Co-founder of Norwegian national initiative on *Marine Habitat Mapping (MAREANO)* in cooperation with Norwegian Geological Survey, Oil and Energy Department and State Pollution control Authority.
- Responsible scientist for European Space Agency project *Near Real-Time Use of Ocean Colour Data in Management of Toxic Algae Bloom*, which predicted harmful algae blooms to minimize damage to coastal living marine resources.

2001- present: Some relevant activities as Director of the NOAA Fisheries lab in Sandy Hook, NJ

Short Curriculum vitae - T.T. Noji

July 2013

- Research director for NEFSC Ecosystems Processes Division with four major programs – Climate, Ocean Acidification, Ecosystem Research in Support of Stock Assessment, and Habitat
- Member of various NOAA committees advising on ecosystems, coral habitats, marine habitat assessments, and wind-energy development.
- Board of Trustees, NJ Sea Grant.
- Advisor to School of Science, Monmouth University
- Chair of the Marine Habitat Committee of the International Council for the Exploration of the Seas (ICES); past position.
- Chair of ICES Scientific Steering Group on Human Interactions with the Environment; past position.
- U.S. representative on the ICES Science Committee.
- Co-founder of US-Canadian Gulf of Maine Marine Mapping Initiative.
- Member of Scientific Advisory Committee to the NY State Ocean and Great Lakes Ecosystem Conservation Council, to implement ecosystem-based management; past position.
- Board of Directors (and ex-chair) for the Canadian Healthy Ocean Network (www.chone.ca).

Some Relevant Publications

- Cogan C.B., Noji T.T. (2006). Marine Classification, Mapping, and Biodiversity Analysis. *In*: Brian Todd and Gary Greene, eds. *Marine Benthic Habitat Mapping*. Geological Association of Canada, St. John's, NL, Canada.
- Lanters R., Skjoldal H.R., Noji T.T. (eds.) (1999). Ecological Quality Objectives (EcoQOs) for the North Sea. *Fisken og Havet* 10-1999, 57 pp.
- MacIntyre F., T.T. Noji (1996). Pattern recognition. *In*: Megrey B.A., Moksness E. (eds). *Computers in fisheries research*, pp. 143-175. Chapman & Hall, London.
- National Fish Habitat Board (2010). *Through a Fish's Eye: The status of fish habitats in the United States 2010*. Association of Fish and Wildlife Agencies, Washington. D.C., 68pp..
- Noji T.T., Passow U., Smetacek V. (1986). Interaction between pelagial and benthic during autumn in Kiel Bight. I. Development and sedimentation of phytoplankton blooms. *Ophelia* 26:333-349.
- Noji T., Pederson J., Adams C. (2007). Geographic information systems and ocean mapping in support of fisheries management. MITSG 06-8. Massachusetts Institute of Technology Sea Grant Program.
- Noji T.T., Noji C.I.-M., Klungsøyr J. (2001). The role of sedimentation and resuspension for the transport of sediments and contaminants in the Skagerrak. *Hydrobiologia*.
- Noji T.T., Rey F., Miller L.A., Børsheim K.Y., Urban-Rich J. (1999). Fate of biogenic carbon in the upper 200 m of the central Greenland Sea. *Deep-Sea. Res. II* 46: 1497-1510.
- Noji T.T., Snow-Cotter S.A., Todd B.J., Tyrrell M.C., Valentine P.C. (2004). Gulf of Maine Mapping Initiative. A framework for ocean management. Gulf of Maine Council on the Marine Environment. 22p + vi
- Noji T.T., Todd B., Valentine P., Snow-Cotter S. (2002). Mapping the Gulf of Maine: building the link between marine geology and benthic habitats to improve ocean management. *ICES CM* 2002/K:12, 9pp..
- Pettersson L.H., Durand D., Noji T.T., Søiland H., Svendsen E., Groom S., Lavender S., Regner P., Johannessen O.M. (2000). Satellite observations and forecasting can mitigate effects of toxic algae blooms. *ICES CM* 2000/O:7, 2pp..
- Robins R., Moore C., Noji T. (submitted). Wind Energy and Fisheries - A Mid-Atlantic Perspective. Abstract submitted for presentation at Symposium on "Environmental impact of offshore wind farms". October 2013. Brussels, Belgium.
- Yoklavich M., Blackhart K., Brown S.K., Greene C., Minello T., Noji T.T., Parke M., Parrish F., Smith K., Stone R., Wakefield W.W. (2010). Marine Fisheries Habitat Assessment Improvement Plan. NOAA Tech. Memo NMFS-F/SPO-108, 115pp..