

**From:** [Arsenault, Dan](#)  
**To:** [Latimer, Jim](#); [Sheppard, Tracy](#); [Munns, Wayne](#); [Cobb, Michael](#); [Weitzler, Ellen](#); [Bukhari, Samir](#)  
**Cc:** [Kreakie, Betty](#); [Gilliland, Alice](#); [Moraff, Kenneth](#)  
**Subject:** RE: Great Bay Region 1 nitrogen management  
**Date:** Friday, February 07, 2020 9:03:57 AM  
**Attachments:** [image001.gif](#)

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Hi Jim/All:

The Region 1 attorney who has been working with us on this project is Samir Bukhari. He can be reached at (617) 918-1095. He is also receiving this email.

Thanks,

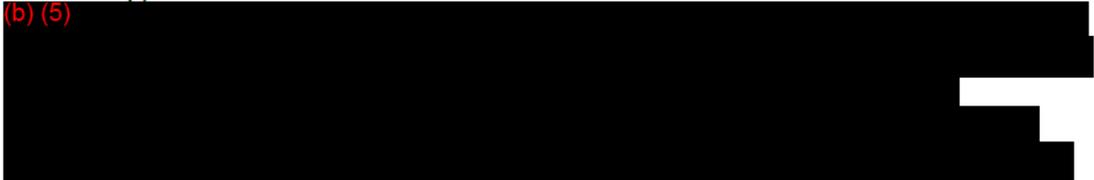
Dan

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**From:** Latimer, Jim <[Latimer.Jim@epa.gov](mailto:Latimer.Jim@epa.gov)>  
**Sent:** Thursday, February 06, 2020 5:14 PM  
**To:** Sheppard, Tracy <[Sheppard.Tracy@epa.gov](mailto:Sheppard.Tracy@epa.gov)>; Munns, Wayne <[Munns.Wayne@epa.gov](mailto:Munns.Wayne@epa.gov)>; Arsenault, Dan <[Arsenault.Dan@epa.gov](mailto:Arsenault.Dan@epa.gov)>; Cobb, Michael <[Cobb.Michael@epa.gov](mailto:Cobb.Michael@epa.gov)>  
**Cc:** Kreakie, Betty <[Kreakie.Betty@epa.gov](mailto:Kreakie.Betty@epa.gov)>; Gilliland, Alice <[Gilliland.Alice@epa.gov](mailto:Gilliland.Alice@epa.gov)>  
**Subject:** RE: Great Bay Region 1 nitrogen management

OK Tracy,

(b) (5)



See email thread below.

Regards,

Jim

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**From:** Sheppard, Tracy <[Sheppard.Tracy@epa.gov](mailto:Sheppard.Tracy@epa.gov)>  
**Sent:** Thursday, February 06, 2020 4:59 PM  
**To:** Latimer, Jim <[Latimer.Jim@epa.gov](mailto:Latimer.Jim@epa.gov)>; Munns, Wayne <[Munns.Wayne@epa.gov](mailto:Munns.Wayne@epa.gov)>  
**Cc:** Kreakie, Betty <[Kreakie.Betty@epa.gov](mailto:Kreakie.Betty@epa.gov)>; Gilliland, Alice <[Gilliland.Alice@epa.gov](mailto:Gilliland.Alice@epa.gov)>  
**Subject:** RE: Great Bay Region 1 nitrogen management

(b) (5)



Tracy L. Sheppard, Attorney-Advisor,  
US EPA, Office of General Counsel

[Sheppard.Tracy@epa.gov](mailto:Sheppard.Tracy@epa.gov)

(202) 564-1305 office

(202) 839-2038 mobile

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**From:** Latimer, Jim <[Latimer.Jim@epa.gov](mailto:Latimer.Jim@epa.gov)>  
**Sent:** Thursday, February 6, 2020 1:52 PM  
**To:** Munns, Wayne <[Munns.Wayne@epa.gov](mailto:Munns.Wayne@epa.gov)>; Sheppard, Tracy <[Sheppard.Tracy@epa.gov](mailto:Sheppard.Tracy@epa.gov)>

**Cc:** Kreakie, Betty <[Kreakie.Betty@epa.gov](mailto:Kreakie.Betty@epa.gov)>; Gilliland, Alice <[Gilliland.Alice@epa.gov](mailto:Gilliland.Alice@epa.gov)>

**Subject:** RE: Great Bay Region 1 nitrogen management

**Will do. Should we bring in the Region 1 people?**

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**From:** Munns, Wayne <[Munns.Wayne@epa.gov](mailto:Munns.Wayne@epa.gov)>

**Sent:** Thursday, February 06, 2020 1:28 PM

**To:** Sheppard, Tracy <[Sheppard.Tracy@epa.gov](mailto:Sheppard.Tracy@epa.gov)>; Latimer, Jim <[Latimer.Jim@epa.gov](mailto:Latimer.Jim@epa.gov)>

**Cc:** Kreakie, Betty <[Kreakie.Betty@epa.gov](mailto:Kreakie.Betty@epa.gov)>; Gilliland, Alice <[Gilliland.Alice@epa.gov](mailto:Gilliland.Alice@epa.gov)>

**Subject:** RE: Great Bay Region 1 nitrogen management

Thank you for your rapid responses, Tracy.

(b) (5)

Wayne

Wayne R. Munns, Jr., Ph.D.

Director

U.S. EPA

Office of Research and Development

Center for Environmental Measurement and Modeling

Atlantic Coastal Environmental Sciences Division

27 Tarzwell Drive

Narragansett, RI 02882

USA

P: 401-782-3017

E: [munns.wayne@epa.gov](mailto:munns.wayne@epa.gov)

*"Protecting human health and the environment by delivering innovative measurement and modeling solutions to EPA and our partners."*

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**From:** Sheppard, Tracy <[Sheppard.Tracy@epa.gov](mailto:Sheppard.Tracy@epa.gov)>

**Sent:** Thursday, February 6, 2020 12:51 PM

**To:** Latimer, Jim <[Latimer.Jim@epa.gov](mailto:Latimer.Jim@epa.gov)>; Munns, Wayne <[Munns.Wayne@epa.gov](mailto:Munns.Wayne@epa.gov)>

**Cc:** Kreakie, Betty <[Kreakie.Betty@epa.gov](mailto:Kreakie.Betty@epa.gov)>; Gilliland, Alice <[Gilliland.Alice@epa.gov](mailto:Gilliland.Alice@epa.gov)>

**Subject:** RE: Great Bay Region 1 nitrogen management

Jim,

(b) (5)

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US EPA, Office of General Counsel

[Sheppard.Tracy@epa.gov](mailto:Sheppard.Tracy@epa.gov)

(202) 564-1305 office

(202) 839-2038 mobile

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**From:** Latimer, Jim <[Latimer.Jim@epa.gov](mailto:Latimer.Jim@epa.gov)>

**Sent:** Thursday, February 6, 2020 12:28 PM

DOVER 003120

**To:** Sheppard, Tracy <[Sheppard.Tracy@epa.gov](mailto:Sheppard.Tracy@epa.gov)>; Munns, Wayne <[Munns.Wayne@epa.gov](mailto:Munns.Wayne@epa.gov)>

**Cc:** Kreakie, Betty <[Kreakie.Betty@epa.gov](mailto:Kreakie.Betty@epa.gov)>; Gilliland, Alice <[Gilliland.Alice@epa.gov](mailto:Gilliland.Alice@epa.gov)>

**Subject:** RE: Great Bay Region 1 nitrogen management

Hi Tracy,

Thanks all for your help.

In answer to your question, (b) (5)

[Redacted]

Regards,  
Jim

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**From:** Sheppard, Tracy <[Sheppard.Tracy@epa.gov](mailto:Sheppard.Tracy@epa.gov)>

**Sent:** Thursday, February 06, 2020 12:19 PM

**To:** Munns, Wayne <[Munns.Wayne@epa.gov](mailto:Munns.Wayne@epa.gov)>

**Cc:** Latimer, Jim <[Latimer.Jim@epa.gov](mailto:Latimer.Jim@epa.gov)>; Kreakie, Betty <[Kreakie.Betty@epa.gov](mailto:Kreakie.Betty@epa.gov)>; Gilliland, Alice <[Gilliland.Alice@epa.gov](mailto:Gilliland.Alice@epa.gov)>

**Subject:** RE: Great Bay Region 1 nitrogen management

Wayne,

(b) (5)

Tracy L. Sheppard, Attorney-Advisor,  
US EPA, Office of General Counsel  
[Sheppard.Tracy@epa.gov](mailto:Sheppard.Tracy@epa.gov)  
(202) 564-1305 office  
(202) 839-2038 mobile

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**From:** Munns, Wayne <[Munns.Wayne@epa.gov](mailto:Munns.Wayne@epa.gov)>

**Sent:** Thursday, February 6, 2020 11:57 AM

**To:** Sheppard, Tracy <[Sheppard.Tracy@epa.gov](mailto:Sheppard.Tracy@epa.gov)>

**Cc:** Latimer, Jim <[Latimer.Jim@epa.gov](mailto:Latimer.Jim@epa.gov)>; Kreakie, Betty <[Kreakie.Betty@epa.gov](mailto:Kreakie.Betty@epa.gov)>; Gilliland, Alice <[Gilliland.Alice@epa.gov](mailto:Gilliland.Alice@epa.gov)>

**Subject:** FW: Great Bay Region 1 nitrogen management

Hi Tracy,

(b) (5)



(b) (5)

Attachment 1

The email that I received from John Hall Associates on 20-02-03. Besides the body of the email there were 3 attachments (included):

- A FOIA request to Region 1
- Two letters to the a Great Bay Coalition chair containing:
  - (1) a scientific review by Brian Howe and Roland Samimy of my 2010 seagrass paper (Latimer & Rego 2010) and
  - (2) a review of the HDR model commissioned by the coalition

Attachment 2:

- Latimer, J.S., and S.A. Rego. 2010. Empirical relationship between eelgrass extent and predicted watershed-derived nitrogen loading for shallow New England estuaries. Estuarine Coastal and Shelf Science 90: 231-240.

Attachment 3& 4:

- A copy of the permit for GBE
- A copy of the fact sheet containing the scientific basis for the permit

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[James S. Latimer, Ph.D.](#)

**U.S. Environmental Protection Agency**, Office of Research and Development  
National Center for Environmental Measurement and Modeling (CEMM)  
Atlantic Coastal Environmental Sciences Division (ACESD)  
27 Tarzwell Drive, Narragansett, RI 02882  
Phone: 401-782-3167  
[latimer.jim@epa.gov](mailto:latimer.jim@epa.gov)  
*"All men by nature desire to know" Aristotle*

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