Message

From: Cox, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CDDD6A5BB3C2477183799EF56CDB464F-COX, MICHAEL]
Sent: 4/22/2016 1:51:31 PM
To: Allnutt, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e28f5bf9cbf4b8b9eda7751c2f10750-Allnutt, David]; Anderson-Carnahan, Linda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c34cc9be6ab74896b7ea15338cbe41eb-Anderson-Carnahan, Linda]; Bonifaci, Angela [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d9bd4b43bb5f4317b6f2f2294877d346-Bonifaci, Angela]; Bonifacino, Gina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2497cad4ed6046b398f2ba5d13345242-Bonifacino, Gina]; Brown, Cheryl A. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd6f8a562924439aaf97ca98ddaf1e10-Brown, Cheryl]; Cope, Ben [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=497efadd936e4d378225116b8f50fd3f-Cope, Ben]; Cora, Lori [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c8850941bf1540c796559dce75c2f5ee-Cora, Lori]; Cox, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cddd6a5bb3c2477183799ef56cdb464f-Cox, Michael]; Croxton, Dave [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ca7b9940863640d5b96f4295ea3c9641-Croxton, Dave]; Davis, Michelle V. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5887757041744158a41215a9c33fd4a3-Davis, Michelle]; Dunbar, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=133b66d6ab1b42108751e37b28176ec3-Dunbar, Bill (William) D.]; Duncan, Bruce [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ff04bb22dfc44cbb9fb60c1de6f6e130-Duncan, Bruce]; Fullagar, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7ba061353c314b40a14a8be1ee382ae3-Gable, Jill]; Labiosa, Rochelle [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ded3654216c9461d95cd5a3ceec507ef-Labiosa, Rochelle]; Littleton, Christine [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2d5631654c3840f48f71c2457d8fb2ac-Reichgott, Teena]; Lohrman, Bridgette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0165d4dc0da54f03985e6042638acdca-Lohrman, Bridgette A.]; Mlsna, Ivy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=89bcf80a57804a1eb45c444749cb4550-Mlsna, Ivy]; Nelson, Walt [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=023bd72e66a348018f63b4786c65c51b-Nelson, Walt]; Olsen, Tony [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=881db40ea5044b1daaee914f954f5573-Olsen, Tony]; Pacella, Stephen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e7bbd90fb0784c9bb124931c63a6a746-Pacella, Stephen]; Rappoli, Brian [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5d1b13e0ec164d34befd1431f7236447-Rappoli, Brian]; Szelag, Matthew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f1e48230d96943f8acb72810e32ce8d6-Szelag, Matthew]; Zachmann, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e765392b7ee94fa1bd25b00f9a9c7824-Zachmann, B]; Ziegler, Sam [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=70e177091bd1472e81022fd27426fc5b-SZIEGLER]
Subject: EPA Request for data

Follow-up from out meeting with UW/NOAA.

Michael Cox
Office of Environmental Assessment
US EPA Region 10, 1200 Sixth Avenue, Suite 900
Seattle, WA 98101
206-553-1597
cox.michael@epa.gov

From: Fullagar, Jill
Sent: Thursday, April 21, 2016 3:33 PM
To: Richard Feely; Simone Alin - NOAA Federal; JAN NEWTON; nbedna@uw.edu; andrea.fassbender@naoo.gov
Cc: Cope, Ben; Littleton, Christine; Allnutt, David; Brown, Cheryl A.; Labiosa, Rochelle; Cox, Michael; Cora, Lori
Subject: EPA Request for data

Good afternoon everyone,

I wanted to thank you on behalf of all the EPA staff for meeting with us last week. In that meeting we discussed data that NOAA has gathered over the past few years off of the Oregon and Washington coasts. We are writing to request some of the data that you mentioned. As you know, for EPA's Clean Water Act regulatory purposes, the most helpful information is data within State waters (three miles off the Washington and Oregon coasts). This would include both water quality data and biological data that indicate impairment to aquatic life.

We understand you are very busy and have tried to target our request to the information most critical to our work. We would be happy to have a follow-up call to focus our request and determine the easiest method to transmit the requested information.

2011 Cruise

- We would like to request additional pteropod data, if any, from the 2011 cruise that are within Oregon and Washington State waters that were not included in the 2014 Bednarsek et al. paper.
- We would like to request any other biological data (e.g., Dungeness crab) that may serve as indicators of impairment within Oregon and Washington State waters, together with associated marine chemistry data, if not already included in the 2014 Bednarsek et al. paper.

2013 Cruise

- We would like to request any pteropod data from the 2013 cruise that are within Oregon and Washington State waters.
- We would like to request any other biological data (e.g., Dungeness crab) that may serve as indicators of impairment within Oregon and Washington State waters.
- We would like to request any data related to the aragonite saturation state within Oregon and Washington State waters that are not currently publically available.

2016 Cruise

- We would like to request a map of the sample sites for the 2016 cruise and, if possible, a delineation of which sites will be within 3 miles of the Oregon and Washington coast lines.
- We would like to request a list of the chemical and biological parameters you will be sampling/analyzing in the cruise.

Other Data

- At the meeting, Dick presented results from a paper in preparation that showed the anthropogenic and biogenic contributions to ocean acidification at different depths in onshore and offshore waters. In order to better understand the latest analysis, we would like to ask if it is possible to obtain a copy of the manuscript to understand the latest methods and data. We would not share the manuscript until after the publication of the paper.
- We would also like to request a copy of Andrea's paper, once it is available.

- Nina showed some relationships between duration of exposure to aragonite saturation and pteropod dissolution intensity. If these are in a separate manuscript, we would also like to request that data and manuscript, when they are available.

Unpublished data

- We are very interested in any other unpublished biological data for Oregon and Washington State waters that you might be aware of. We can use unpublished data as supporting evidence when making our determinations.

Thanks again for all your help and we look forward to continuing to work together on this critical issue.

Jill

Jill Fullagar, Impaired Waters Coordinator
Watershed Unit, Office of Water and Watersheds
US EPA, Region 10
1200 Sixth Avenue, Suite 900 (OWW-192)
Seattle, WA 98101-3140
(206) 553-2582, (206) 553-1280 (fax)
fullagar.jill@epa.gov