Message

**From**: Nelson, Walt [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=023BD72E66A348018F63B4786C65C51B-NELSON, WALT]
**Sent**: 7/20/2016 4:40:34 PM
**To**: Clinton, Pat [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2a8a2ee700f6435ea20155942a045963-Clinton, Pat]
**Subject**: RE: EPA Request for data

Thanks Pat, much appreciated.

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Walt Nelson
Asst. to Division Director
Western Ecology Division, US EPA
2111 S.E. Marine Science Dr.
Newport OR 97365
541-867-4041

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**From:** Clinton, Pat
**Sent:** Wednesday, July 20, 2016 9:40 AM
**To:** Nelson, Walt <Nelson.Walt@epa.gov>
**Subject:** RE: EPA Request for data

This should do it, I put in coordinate tics for reference.
I'm not sure about station 999 on page 1...

Patrick J. Clinton
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Phone: (541) 867-5003
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*"Yer off the edge of the map, mate. Here there be monsters!"*
Captain Barbossa, The Black Pearl

*"It is not down in any map; true places never are."*
Herman Melville

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**From:** Nelson, Walt
**Sent:** Wednesday, July 20, 2016 8:31 AM
**To:** Clinton, Pat <Clinton.Pat@epa.gov>
**Subject:** RE: EPA Request for data

Pat, thanks. This is a good overview map. Could you also do a set of zoom in maps so they can see each station in an area and where it is in relation to the coastline? I think that's what they are after.

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**From:** Clinton, Pat
**Sent:** Wednesday, July 20, 2016 8:22 AM
**To:** Nelson, Walt <Nelson.Walt@epa.gov>
**Subject:** RE: EPA Request for data

Forgot to label sites

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**From:** Nelson, Walt
**Sent:** Tuesday, July 19, 2016 4:21 PM
**To:** Clinton, Pat <Clinton.Pat@epa.gov>
**Subject:** RE: EPA Request for data

Yes, thanks, this is a cruise currently happening now. Puget Sound was collected in 2014.

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**From:** Clinton, Pat
**Sent:** Tuesday, July 19, 2016 4:19 PM

**To:** Nelson, Walt <Nelson.Walt@epa.gov>
**Subject:** RE: EPA Request for data

You realize this doesn't include Puget Sound?

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Herman Melville

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**From:** Nelson, Walt
**Sent:** Tuesday, July 19, 2016 2:42 PM
**To:** Clinton, Pat <Clinton.Pat@epa.gov>
**Subject:** FW: EPA Request for data

Pat:
Could you please prepare a map of the stations contained in the attached spreadsheet with station labels on the map. Showing the 3 NM limit again would be good.

I guess my effort won't good enough, snuck.

Thanks

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Walt Nelson
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**From:** Nelson, Walt
**Sent:** Monday, July 18, 2016 3:42 PM
**To:** Fullagar, Jill <Fullagar.Jill@epa.gov>
**Subject:** RE: EPA Request for data

Jill:
Here is a map plot of the stations in your spreadsheet. I figured I could try the ESRI maps app in Excel. You can zoom in on a location to see the relative positions of the stations, and if you click on the station, it will give the data associated

with the map position (station #, depth, lat long, distance to shore). From the table, all the stations except one are within 3 NM. The first one in the table is at about 3.5 NM, and is the southernmost station (San Diego).

If you need something glossier or more formal, let me know and I can get our GIS guy to make a labeled map.

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Walt Nelson
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**From:** Fullagar, Jill
**Sent:** Monday, July 18, 2016 2:52 PM
**To:** Nelson, Walt <Nelson.Walt@epa.gov>
**Subject:** FW: EPA Request for data

Hi Walt,

Do you think you would be able to (or ask someone to) plot the station locations on the Excel spreadsheet attached above? It has the lat/longs, but we wanted to see visually on a map exactly where they were. If it's possible to indicate which ones are within 3 miles, that would be perfect. I think you had this done with the data we discussed on our OA call last week, but if it is a problem, let me know and I'll hunt down an intern ; )

Thanks.

jill

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fullagar.jill@epa.gov

**From:** Simone Alin - NOAA Federal [mailto:simone.r.alin@noaa.gov]
**Sent:** Sunday, May 08, 2016 11:08 PM
**To:** Fullagar, Jill <Fullagar.Jill@epa.gov>
**Cc:** Richard Feely <richard.a.feely@noaa.gov>; JAN NEWTON <janewton@uw.edu>; nbedna@uw.edu; andrea.fassbender@naoo.gov; Cope, Ben <Cope.Ben@epa.gov>; Littleton, Christine <Littleton.Christine@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Brown, Cheryl A. <Brown.Cheryl@epa.gov>; Labiosa, Rochelle <labiosa.rochelle@epa.gov>; Cox, Michael <Cox.Michael@epa.gov>; Cora, Lori <Cora.Lori@epa.gov>
**Subject:** Re: EPA Request for data

Hi Jill,

Greetings to all from 25N, 113 W (somewhere off the coast of Baja). I am attaching a copy of the full cruise station map, as well as the zoomed-in views of all lines. Also attached is a list of all stations in US waters within about 3 miles of shore. We plan to occupy these as ship traffic and other safety concerns allow.

Best,
Simone

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Simone Alin, Ph.D.
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Tel (206) 526-6819

On Thu, Apr 21, 2016 at 3:33 PM, Fullagar, Jill <Fullagar.Jill@epa.gov> wrote:

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

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Jill Fullagar, Impaired Waters Coordinator

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