

Delivered-To: rick.lumpkin@noaa.gov  
Received: by 10.182.237.137 with SMTP id vc9csp51120obc;  
Tue, 16 Oct 2012 12:07:02 -0700 (PDT)  
Received: by 10.68.203.227 with SMTP id kt3mr5378604pbc.13.1350414422283;  
Tue, 16 Oct 2012 12:07:02 -0700 (PDT)  
Return-Path: <jana.goldman@noaa.gov>  
Received: from psmtplib.com (na3sys009amx169.postini.com [74.125.149.95])  
by mx.google.com with SMTP id  
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(version=TLSv1/SSLv3 cipher=OTHER);  
Tue, 16 Oct 2012 12:07:02 -0700 (PDT)  
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denied by best guess record for domain of jana.goldman@noaa.gov)  
client-ip=74.125.149.205;  
Authentication-Results: mx.google.com; spf=neutral (google.com:  
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domain of jana.goldman@noaa.gov) smtp.mail=jana.goldman@noaa.gov  
Received: from na3sys009aog111.obsmtplib.com ([74.125.149.205]) (using  
TLSv1) by na3sys009amx169.postini.com ([74.125.148.10]) with SMTP;  
Tue, 16 Oct 2012 19:07:01 GMT  
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for <rick.lumpkin@noaa.gov>; Tue, 16 Oct 2012 12:07:00 -0700 (PDT)  
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MIME-Version: 1.0

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Tue,

16 Oct 2012 12:07:00 -0700 (PDT)

Received: by 10.224.133.75 with HTTP; Tue, 16 Oct 2012 12:06:59 -0700 (PDT)

In-Reply-To: <507DAF60.3010105@noaa.gov>

References:

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<507DAF60.3010105@noaa.gov>  
Date: Tue, 16 Oct 2012 15:06:59 -0400  
Message-ID:  
<CAHw8FPuU2AZiVs5Qs65f-xdFTB6P1+jauzz680Vma31aWRWYhA@mail.gmail.com>  
Subject: Re: Fwd: Drifter issue heads up  
From: Jana Goldman <jana.goldman@noaa.gov>  
To: "Rick.Lumpkin@noaa.gov" <rick.lumpkin@noaa.gov>, Erica Rule  
<Erica.Rule@noaa.gov>  
Content-Type: multipart/alternative;  
boundary=047d7b6da4ccccddd4604cc31db25  
X-Gm-Message-State:  
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Thanks for this, Rick.  
I was asked if we have a protocol when offered opportunities to deploy  
drifters.  
cheers  
jana

On Tue, Oct 16, 2012 at 3:02 PM, Rick.Lumpkin@noaa.gov <  
rick.lumpkin@noaa.gov> wrote:

> Dear all,  
>  
> Please find attached a copy of the letter I just sent to Richard Mannix  
> (General Council Office) summarizing our involvement with the  
interaction.  
> Richard contacted me earlier today to get these details.  
>  
> Best regards,  
> Rick Lumpkin  
>  
> On 10/16/2012 02:52 PM, Erica Rule wrote:  
>

>> Hi Rick - Here's what I sent to Jana et al, can you please forward them  
>> the details in your summary of the interaction? thanks, Erica  
>>  
>> ----- Forwarded message -----  
>> From: \*Erica Rule\* <erica.rule@noaa.gov <mailto:erica.rule@noaa.gov>>  
>> Date: Tue, Oct 16, 2012 at 2:49 PM  
>> Subject: Re: Drifter issue heads up  
>> To: Jana Goldman <jana.goldman@noaa.gov  
<mailto:jana.goldman@noaa.gov>\*\*>  
>> Cc: Craig McLean <craig.mclean@noaa.gov  
<mailto:craig.mclean@noaa.gov>\*\*>,  
>> Alexander MacDonald  
<alexander.e.macdonald@noaa.gov><mailto:alexander.e.macdonald@noaa.gov>><mail  
to:  
>> alexander.e.macdonald@noaa.gov <alexander.e.macdonald@noaa.gov>>>,  
>> Alan Leonardi <alan.leonardi@noaa.gov  
<mailto:alan.leonardi@noaa.gov>\*\*>>,  
>> John Ewald <john.ewald@noaa.gov <mailto:john.ewald@noaa.gov>>>, Brady  
>> Phillips <Brady.Phillips@noaa.gov  
<mailto:Brady.Phillips@noaa.gov>>>,  
>> Barry Reichenbaugh <barry.reichenbaugh@noaa.gov <mailto:  
>> barry.reichenbaugh@noaa.gov <barry.reichenbaugh@noaa.gov>>>  
>>  
>>  
>> Hi Jana,  
>>  
>> I just spoke with John Ewald and I gave him a brief overview of  
>> everything I am aware of from Rick Lumpkin, the program manager. I am  
>> copying Rick Lumpkin here to ask him to directly verify the information  
he  
>> has. I know Rick was preparing a document describing the facts of AOML's  
>> interaction with the Haida Salmon Restoration Corporation. I hope he  
can  
>> send this forward to help clarify the facts.  
>>  
>> I have not received any calls from the media at this point and will  
>> direct any that might come in to your office. I have asked Rick to do  
the  
>> same. Please let me know if another POC is assigned for media response.  
>>  
>> - Erica  
>>  
>> On Tue, Oct 16, 2012 at 2:06 PM, Jana Goldman  
<jana.goldman@noaa.gov<mailto:  
>> jana.goldman@noaa.gov>\*\*> wrote:  
>>  
>> You may have seen this recent Guardian newspaper piece about NOAA  
>> and drifters.  
>> [http://www.guardian.co.uk/  
\\*\\*environment/2012/oct/15/\\*\\*  
>>  
pacific-iron-fertilisation-geoengineering<\[http://www.guardian.co.uk/  
environment/2012/oct/15/pacific-iron-fertilisation-geoengineering\]\(http://www.guardian.co.uk/environment/2012/oct/15/pacific-iron-fertilisation-geoengineering\)>](http://www.guardian.co.uk/environment/2012/oct/15/)

>>  
>> We have received some media calls and are handling them at NOAA  
>> Communications HQ.  
>> Here's what I've been able to find out so far after talking to  
>> Steve Piotrowicz in the climate program office, but I expect AOML  
>> can help fill in gaps - like when we were approached, was there  
>> more than just using a ship of opportunity to deploy, do we have  
>> the name of the ship, and anything else I neglected to ask.  
>> You may recall that Planktos wanted to do this in the Galapagos  
>> but was refused.  
>>

>> \* The Haida Salmon Restoration Corporation, a Native American  
>> Indian group in Canada (I have since learned this is the new  
>> name of Planktos, Inc. run by Russ George)- approached NOAA's  
>> Atlantic Oceanographic and Meteorological Laboratory (AOML) in  
>> Miami, Fla. for drifter buoys (I don;t have date, but can get)  
>> \* These are the buoys we deploy in partnership with schools --  
>> they float on top of the water, collect and transmith data to  
>> help us understand about currents and other aspects of the  
ocean.

>> \* AOML seeing this as an opportunity to get valuable ocean data  
>> supplied 20 buoys - we often use ships of opportunity to  
>> deploy drifters and buoys  
>> \* Haida did NOT tell AOML that this was to be used in  
>> conjunction with the release of iron sulfafate into the ocean  
>> \* Not sure if the drifters were deployed from the ship that  
>> discharged the iron sulfafate into the ocean  
>> \* This is NOT the Argo autonomous float program, which has more  
>> than 3,000 floats in the ocean and do not transit data hourly.  
>> \* The drifters in this case do use the ARGOS satellite system  
>> (NESDIS) to relay information collected, such as temperature  
>> and surface pressure.  
>> \* Velocity is derived from positioning information that the  
>> ARGOS satellite system provides  
>> \* The drifters would have measured where the iron sulfafate was  
>> going - the dispersion, via the ocean currents  
>>

>> cheers  
>> jana  
>>

>> -- Jana Goldman  
>> Director  
>> NOAA Communications @ NOAA Research  
>> 1315 East West Highway  
>> SSMC3 #11229  
>> Silver Spring, MD 20910  
>> 301-734-1123 <tel:301-734-1123>  
>> jana.goldman@noaa.gov <mailto:jana.goldman@noaa.gov>

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>>  
>> --  
>> Erica Rule  
>> Communications and Outreach  
>> NOAA's Atlantic Oceanographic and Meteorological Laboratory  
>> 4301 Rickenbacker Cswy., Miami, FL 33149  
>> www.aoml.noaa.gov <http://www.aoml.noaa.gov>  
>> 305-361-4541 <tel:305-361-4541>  
>>  
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>> --  
>> Erica Rule  
>> Communications and Outreach  
>> NOAA's Atlantic Oceanographic and Meteorological Laboratory  
>> 4301 Rickenbacker Cswy., Miami, FL 33149  
>> www.aoml.noaa.gov <http://www.aoml.noaa.gov>  
>> 305-361-4541  
>>  
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>

--  
Jana Goldman  
Director  
NOAA Communications @ NOAA Research  
1315 East West Highway  
SSMC3 #11229  
Silver Spring, MD 20910  
301-734-1123  
jana.goldman@noaa.gov

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Content-Transfer-Encoding: quoted-printable

Thanks for this, Rick.<br>I was asked if we have a protocol when offered  
opportunities to deploy drifters. <br>cheers<br>jana<br><br><div  
class=3D"gmail-  
il\_quote">On Tue, Oct 16, 2012 at 3:02 PM, <a  
href=3D"mailto:Rick.Lumpkin@n=  
oaa.gov">Rick.Lumpkin@noaa.gov</a> <span dir=3D"ltr">&lt;<a  
href=3D"mailto:=  
rick.lumpkin@noaa.gov"  
target=3D"\_blank">rick.lumpkin@noaa.gov</a>&gt;</spa=

n> wrote:<br>

<blockquote class=3D"gmail\_quote" style=3D"margin:0 0 0 .8ex;border-left:1px solid black; padding-left:1ex">Dear all,<br>

<br>

Please find attached a copy of the letter I just sent to Richard Mannix (General Council Office) summarizing our involvement with the interaction.

Richard contacted me earlier today to get these details.<br>

Best regards,<br>

Rick Lumpkin<br>

<br>

On 10/16/2012 02:52 PM, Erica Rule wrote:<br>

<blockquote class=3D"gmail\_quote" style=3D"margin:0 0 0 .8ex;border-left:1px solid black; padding-left:1ex">

Hi Rick - Here's what I sent to Jana et al, can you please forward them the details in your summary of the interaction? thanks, Erica<br>

<br>

----- Forwarded message -----<br>

From: \*Erica Rule\* <<mailto:erica.rule@noaa.gov>>

<<mailto:erica.rule@noaa.gov>>

<<mailto:erica.rule@noaa.gov>>&gt;<br>

Date: Tue, Oct 16, 2012 at 2:49 PM<br>

Subject: Re: Drifter issue heads up<br>

To: Jana Goldman <<mailto:jana.goldman@noaa.gov>>

<<mailto:jana.goldman@noaa.gov>>

<<mailto:jana.goldman@noaa.gov>></u></u>&gt;<br>

Cc: Craig McLean <<mailto:craig.mclean@noaa.gov>>

<<mailto:craig.mclean@noaa.gov>>

<<mailto:craig.mclean@noaa.gov>></u></u>&gt;;, Alexand=

er MacDonald <<mailto:alexander.e.macdonald@noaa.gov>>

<<mailto:alexander.e.macdonald@noaa.gov>>

<<mailto:alexander.e.macdonald@noaa.gov>>

<<mailto:alan.leonardi@noaa.gov>>&gt;;, Alan Leonardi <<mailto:alan.leonardi@noaa.gov>>

<<mailto:alan.leonardi@noaa.gov>>

<<mailto:alan.leonardi@noaa.gov>>

oaa.gov</a><u></u>&gt;&gt;;, John Ewald &lt;<a href=3D"mailto:john.ewald@noaa.gov" target=3D"\_blank">john.ewald@noaa.gov</a> &lt;mailto:<a href=3D"mailto:john.ewald@noaa.gov" target=3D"\_blank">john.ewald@noaa.gov</a>&gt;&gt;;, = Brady Phillips &lt;<a href=3D"mailto:Brady.Phillips@noaa.gov" target=3D"\_blank">Brady.Phillips@noaa.gov</a> &lt;mailto:<a href=3D"mailto:Brady.Phillips@noaa.gov" target=3D"\_blank">Brady.Phillips@noaa.gov</a>&gt;&gt;;, = Barry Reichenbaugh &lt;<a href=3D"mailto:barry.reichenbaugh@noaa.gov" target=3D"\_blank">barry.reichenbaugh@noaa.gov</a> &lt;mailto:<a href=3D"mailto:barry.reichenbaugh@noaa.gov" target=3D"\_blank">barry.reichenbaugh@noaa.gov</a>&gt;&gt;;<br>

<br>

<br>

Hi Jana,<br>

<br>

I just spoke with John Ewald and I gave him a brief overview of everything

=

I am aware of from Rick Lumpkin, the program manager. I am copying Rick Lumpkin

here to ask him to directly verify the information he has. I know Rick was preparing a document describing the facts of AOML's interaction with

the Haida Salmon Restoration Corporation. I hope he can send this forward to help clarify the facts.<br>

<br>

I have not received any calls from the media at this point and will direct any that might come in to your office. I have asked Rick to do the same.

Please

let me know if another POC is assigned for media response.<br>

<br>

- Erica<br>

<br>

On Tue, Oct 16, 2012 at 2:06 PM, Jana Goldman &lt;<a href=3D"mailto:jana.goldman@noaa.gov" target=3D"\_blank">jana.goldman@noaa.gov</a>

&lt;mailto:<a href=3D"mailto:jana.goldman@noaa.gov" target=3D"\_blank">jana.goldman@noaa.gov</a>&gt;&gt;; wrote:<br>

&lt;mailto:jana.goldman@noaa.gov" target=3D"\_blank">jana.goldman@noaa.gov</a>&gt;&gt;; wrote:<br>

&lt;mailto:jana.goldman@noaa.gov" target=3D"\_blank">jana.goldman@noaa.gov</a>&gt;&gt;; wrote:<br>

&lt;mailto:jana.goldman@noaa.gov" target=3D"\_blank">jana.goldman@noaa.gov</a>&gt;&gt;; wrote:<br>

<br>

You may have seen this recent Guardian newspaper piece about NOAA

r>  
=A0 =A0 and drifters.<br>  
=A0 =A0 <a  
href=3D"http://www.guardian.co.uk/environment/2012/oct/15/pacifi=  
c-iron-fertilisation-geoengineering"  
target=3D"\_blank">http://www.guardian.=  
co.uk/<u></u>environment/2012/oct/15/<u></u>pacific-iron-fertilisation  
-<u><=  
/u>geoengineering</a><br>

<br>  
=A0 =A0 We have received some media calls and are handling them at NOAA<br>  
=A0 =A0 Communications HQ.<br>  
=A0 =A0 Here&#39;s what I&#39;ve been able to find out so far after talking=  
to<br>  
=A0 =A0 Steve Piotrowicz in the climate program office, but I expect AOML<b=  
r>  
=A0 =A0 can help fill in gaps - like when we were approached, was there<br>  
=A0 =A0 more than just using a ship of opportunity to deploy, do we have<br=  
>  
=A0 =A0 the name of the ship, and anything else I neglected to ask.<br>  
=A0 =A0 You may recall that Planktos wanted to do this in the Galapagos<br>  
=A0 =A0 but was refused.<br>  
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=A0 =A0 =A0 \* The Haida Salmon Restoration Corporation, a Native American<b=  
r>  
=A0 =A0 =A0 =A0 Indian group in Canada (I have since learned this is the  
ne=  
w<br>  
=A0 =A0 =A0 =A0 name of Planktos, Inc. run by Russ George)- approached NOAA=  
&#39;s<br>  
=A0 =A0 =A0 =A0 Atlantic Oceanographic and Meteorological Laboratory  
(AOML)=  
in<br>  
=A0 =A0 =A0 =A0 Miami, Fla. for drifter buoys (I don;t have date, but can  
g=  
et)<br>  
=A0 =A0 =A0 \* These are the buoys we deploy in partnership with schools  
--<=  
br>  
=A0 =A0 =A0 =A0 they float on top of the water, collect and transmith data  
=  
to<br>  
=A0 =A0 =A0 =A0 help us understand about currents and other aspects of the  
=  
ocean.<br>  
=A0 =A0 =A0 \* AOML seeing this as an opportunity to get valuable ocean data=  
<br>  
=A0 =A0 =A0 =A0 supplied 20 buoys - we often use ships of opportunity to<br=  
>  
=A0 =A0 =A0 =A0 deploy drifters and buoys<br>



=A0 =A0 =A0 \* Haida did NOT tell AOML that this was to be used in  
=A0 =A0 =A0 =A0 conjunction with the release of iron sulfate into the ocean  
<br>  
=A0 =A0 =A0 \* Not sure if the drifters were deployed from the ship that  
=A0 =A0 =A0 =A0 discharged the iron sulfate into the ocean<br>  
=A0 =A0 =A0 \* This is NOT the Argo autonomous float program, which has more  
<br>  
=A0 =A0 =A0 =A0 than 3,000 floats in the ocean and do not transmit data hour=  
ly.<br>  
=A0 =A0 =A0 \* The drifters in this case do use the ARGOS satellite system<br>  
<br>  
=A0 =A0 =A0 =A0 (NESDIS) to relay information collected, such as temperatur=  
e<br>  
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=A0 =A0 =A0 \* Velocity is derived from positioning information that the<br>  
=A0 =A0 =A0 =A0 ARGOS satellite system provides<br>  
=A0 =A0 =A0 \* The drifters would have measured where the iron sulfate was<br>  
<br>  
=A0 =A0 =A0 =A0 going - the dispersion, via the ocean currents<br>  
<br>  
<br>  
=A0 =A0 cheers<br>  
=A0 =A0 jana<br>  
<br>  
<br>  
<br>  
=A0 =A0 -- =A0 =A0 Jana Goldman<br>  
=A0 =A0 Director<br>  
=A0 =A0 NOAA Communications @ NOAA Research<br>  
=A0 =A0 1315 East West Highway<br>  
=A0 =A0 SSMC3 #11229<br>  
=A0 =A0 Silver Spring, MD 20910<br>  
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dman@noaa.gov</a> &lt;mailto:<a href=3D"mailto:jana.goldman@noaa.gov"  
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t=3D"\_blank">jana.goldman@noaa.gov</a>&gt;<br>  
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<br>  
<br><span class=3D"HOEnZb"><font color=3D"#888888">  
<br>  
-- <br>  
Erica Rule<br>  
Communications and Outreach<br>  
NOAA&#39;s Atlantic Oceanographic and Meteorological Laboratory<br>  
4301 Rickenbacker Cswy., Miami, FL 33149<br>

<a href=3D"http://www.aoml.noaa.gov" target=3D"\_blank">www.aoml.noaa.gov</a>  
> &lt;<a href=3D"http://www.aoml.noaa.gov" target=3D"\_blank">http://www.aoml.noaa.gov</a>&gt;<br>  
<a href=3D"tel:305-361-4541" value=3D"+13053614541" target=3D"\_blank">305-361-4541</a>&lt;&gt;tel:<a href=3D"tel:305-361-4541" value=3D"+13053614541" target=3D"\_blank">305-361-4541</a>&gt;<br>  
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-- <br>  
Erica Rule<br>  
Communications and Outreach<br>  
NOAA's Atlantic Oceanographic and Meteorological Laboratory<br>  
4301 Rickenbacker Cswy., Miami, FL 33149<br>  
<a href=3D"http://www.aoml.noaa.gov" target=3D"\_blank">www.aoml.noaa.gov</a>  
> &lt;<a href=3D"http://www.aoml.noaa.gov" target=3D"\_blank">http://www.aoml.noaa.gov</a>&gt;<br>  
<a href=3D"tel:305-361-4541" value=3D"+13053614541" target=3D"\_blank">305-361-4541</a><br>  
<br>  
</font></span></blockquote>  
<br>  
</blockquote></div><br><br clear=3D"all"><br>-- <br>Jana Goldman<br>Director<br>NOAA Communications @ NOAA Research<br>1315 East West Highway<br>SSMC3<br>#11229<br>Silver Spring, MD 20910<br>301-734-1123<br><a href=3D"mailto:jana.goldman@noaa.gov">jana.goldman@noaa.gov</a><br><br><br>

--047d7b6da4cccddd4604cc31db25--