

Delivered-To: rick.lumpkin@noaa.gov
Received: by 10.182.237.137 with SMTP id vc9csp51114obc;
Tue, 16 Oct 2012 12:06:20 -0700 (PDT)
Received: by 10.68.238.34 with SMTP id vh2mr50113382pbc.6.1350414380533;
Tue, 16 Oct 2012 12:06:20 -0700 (PDT)
Return-Path: <richard.mannix@noaa.gov>
Received: from psmtplib.com (na3sys009amx231.postini.com [74.125.149.115])
by mx.google.com with SMTP id
oe3si27970838pbb.174.2012.10.16.12.06.19
(version=TLSv1/SSLv3 cipher=OTHER);
Tue, 16 Oct 2012 12:06:20 -0700 (PDT)
Received-SPF: neutral (google.com: 74.125.149.140 is neither permitted nor
denied by best guess record for domain of richard.mannix@noaa.gov)
client-ip=74.125.149.140;
Authentication-Results: mx.google.com; spf=neutral (google.com:
74.125.149.140 is neither permitted nor denied by best guess record for
domain of richard.mannix@noaa.gov) smtp.mail=richard.mannix@noaa.gov
Received: from na3sys009aog120.obsmtplib.com ([74.125.149.140]) (using
TLSv1) by na3sys009amx231.postini.com ([74.125.148.10]) with SMTP;
Tue, 16 Oct 2012 12:06:19 PDT
Received: from mail-ie0-f175.google.com ([209.85.223.175]) (using TLSv1)
by na3sys009aob120.postini.com ([74.125.148.12]) with SMTP
ID DSNKUH2wK0jwSkp8iXm+l0wIeBhYvQQD7tYn@postini.com; Tue, 16 Oct
2012 12:06:19 PDT
Received: by mail-ie0-f175.google.com with SMTP id c13so11736920ieb.20
for <rick.lumpkin@noaa.gov>; Tue, 16 Oct 2012 12:06:18 -0700 (PDT)
X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=google.com; s=20120113;

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:content-type:x-gm-message-state;
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yyjkPyPsjia/qcUbSVDwTzKQ3iEsKP7ExG5ApWkbeiI4G6hyccN/B2jRgLsLnKafdeIQ
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an8w==

MIME-Version: 1.0
Received: by 10.50.5.239 with SMTP id v15mr13186504igv.41.1350414378793;
Tue,
16 Oct 2012 12:06:18 -0700 (PDT)
Received: by 10.231.216.74 with HTTP; Tue, 16 Oct 2012 12:06:18 -0700 (PDT)
In-Reply-To: <507DACE0.8030208@noaa.gov>
References: <507DACE0.8030208@noaa.gov>
Date: Tue, 16 Oct 2012 15:06:18 -0400
Message-ID:

<CAMbX9taB2cvfgYPW0Pfd+z-yUVQA=UvS-F9m4DWvAc022_9rtQ@mail.gmail.com>
Subject: Re: Information regarding the North Pacific drifter deployments
From: Richard Mannix <richard.mannix@noaa.gov>
To: "Rick.Lumpkin@noaa.gov" <rick.lumpkin@noaa.gov>
Content-Type: multipart/alternative;
boundary=e89a8f502cd658fc5d04cc31d981
X-Gm-Message-State:
ALoCoQk8wAEHkiYChdrq12wu+Er9Pu20ripjOLQd4gVZ0/h96QoafuukJOJO44jddwUC+c
2tOgFz
X-pstn-levels: (S:99.90000/99.90000 CV:99.9000 FC:95.5390 LC:95.5390
R:95.9108 P:95.9108 M:97.0282 C:98.6951)
X-pstn-dkim: 0 skipped:not-enabled
X-pstn-settings: 1 (0.1500:0.0015) cv GT3 gt2 gt1 r p m c
X-pstn-addresses: from <richard.mannix@noaa.gov> [db-null]
X-pstn-nxpr: disp=neutral, envrcpt=rick.lumpkin@noaa.gov
X-pstn-nxp: bodyHash=0aeddddf1cd916c8f47584e26f105228628c25a,
headerHash=6e9f4149983168db3df8aa7dae42f9dbb3248f14, keyName=4,
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sourceip=74.125.149.140, version=1

--e89a8f502cd658fc5d04cc31d981
Content-Type: text/plain; charset=ISO-8859-1

Hi Rick -- Looks good. I also liked the point that you made that the drifters would have been of only limited utility in "monitoring" an ocean fertilization effort. To the extent that anything was on the surface, they could track that, but it seems that these were not the ideal instruments to measure the success of such a project. I think it's clear that they looking to loop NOAA in to gain some respectability. We also need to have many of these drifters out there to be effective -- many more than can be carried by Navy ships, or NOAA or NSF or other government vessels. I saw one of your powerpoint presentation (I think from 2010) that said there were an average of 1,200 deployed.

On Tue, Oct 16, 2012 at 2:52 PM, Rick.Lumpkin@noaa.gov <rick.lumpkin@noaa.gov> wrote:

> Dear Richard,
>
> The attached letter summarized the information that I shared with you on
> our phone call, but will hopefully be valuable to compile that, plus some
> additional supporting information, together. I've copied a number of OAR
> folk who are aware of and concerned about this event.
>
> As I noted on our conversation, I'm happy to provide any additional
> information you may need.
>
> Best regards,
> Rick
>

>

--e89a8f502cd658fc5d04cc31d981
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

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