

Re: Mass balance review 📎

Victor F Labson o Marcia K McNutt  
:

05/24/2010 02:56 PM

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History: This message has been replied to.

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Marcia,

I will talk to Bill tomorrow about how he and other NOAA assets can be used. I think he may have several of the pieces of the puzzles in hand. I talked to Jim Witkop at MMS. He is just finishing his detail to the NIC and has knowledge of several teams that I had been unaware of. One of interest is a dispersant team that may be able to answer a number of questions relating to dispersed oil. I am going to need to find the right people in NOAA and USCG as the resources in DOI are limited. There is some help to be had from Coastal and Marine.

I am headed back to Denver, but think that I will return to Reston Monday. By then I will have someone handling the day-to-day for Mass Balance and have my day job under control so that I can be in Reston.

Vic

Marcia K McNutt

----- Original Message -----

**From:** Marcia K McNutt  
**Sent:** 05/24/2010 02:41 PM EDT  
**To:** Bill.Lehr@noaa.gov  
**Cc:** Victor Labson  
**Subject:** Re: Mass balance review

Bill -

thanks for the offer. I will forward this to Vic Labson to see where this stands in the peer review. Here is what I understand. The AVIRIS paper that simply does a calculation of oil volume seen at the surface of the ocean on a certain date is already in peer review, but doesn't go any further than that.

There is then a lot more that needs to happen to turn that into a flow rate, and at that point it is where I think the extra expertise you are offering may be most valuable. Corrections need to happen for the 5.3 days that subsea dispersants were applied. Need to add back in the oil skimmed and burned. Need to account for evaporation. Need to say something about surface dispersion. None of that is in Roger's paper, but is necessary to get a flow rate.

Do you have the video YET??? I'm in Houston and gave a contact to someone here of the contact at Houston airport about 45 minutes ago.

Marcia

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Dr. Marcia McNutt  
Director  
US Geological Survey  
12201 Sunrise Valley Drive, MS 100  
Reston, VA 20192  
(703) 648-7411  
(703) 648-4454 (fax)  
(571) 296-6730 (cell)  
mcnutt@usgs.gov  
www.usgs.gov

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Bill Lehr

Dear Dr. McNutt, I notice from your FTRG updat...

05/24/2010 02:17:06 PM

From: Bill Lehr <Bill.Lehr@noaa.gov>  
To: Marcia K McNutt <mcnutt@usgs.gov>  
Date: 05/24/2010 02:17 PM  
Subject: Mass balance review

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Dear Dr. McNutt,

I notice from your FTRG update of May 24, 1400 hrs, that USGS will be providing a mass balance based upon the AVIRIS flights, presumably from the May 17 mission. If you would like we (NOAA/ORR) could review the calculations. I have been involved in the AVIRIS mission since its beginnings and our group developed the standard model used by USCG to estimate oil fate and behavior. Depending upon time constraints, I can also call on members of the subgroup that I co-chair of international experts on oil fate and behavior and leading oil spill remote sensing experts.

Regards,

Bill Lehr  
206 719 1813