Message

From: Whittier, Robert [Robert.Whittier@doh.hawaii.gov]
Sent: 11/9/2016 5:46:14 PM
To: Pallarino, Bob [Pallarino.Bob@epa.gov]
Subject: Re: TOC survey

Sorry,

Bob was checking my schedule for the next couple of weeks.

Right now, here is what I have scheduled:

11/10 8:00-9:00 EPA Webinar
11/15 10:00-11:30 Climate change meeting
11/16 9:00-11:30 Red Hill geology meeting

All other times appear to be free.

On the TOC elevation survey, I would strongly encourage the Mr. Carlson of the Nat'l Geodetic Survey be brought into the active discussion. I don't have the expertise to know what degree of accuracy is reasonable.

In the revised WP/SOW if appears that not a lot of thought has been put into the survey. Kenney (2010) is still listed as a methodology reference even though we have pointed out this methodology is not valid for the Red Hill groundwater study. It would be good if NAVFAC submitted a basic plan that could be reviewed by us, USGS, and NGS at a minimum. There are many technical considerations that make going into a conference call cold unproductive.

The TOC survey will not hold up other work, as the data can easily be updated when the revised TOC elevations come in.

Also, I feel it is important to point out that there are sufficient data to start developing groundwater gradient conceptual model. Water levels are measured each quarter for the outside and inside wells as part of the groundwater sampling, and monthly for the inside wells for the oil/water interface measurements. I realize there some issues with this data (interference between the pump tubing and Water Level Indicator cable and TOC elevations). However, these are good preliminary data that go back years. Compiling this data (which I have) and doing a round of synoptic water levels within the next week or so would greatly inform the remainder of the Sections 6&7 WP.

Thanks,
Bob W.

From: Pallarino, Bob <Pallarino.Bob@epa.gov>
Sent: Wednesday, November 9, 2016 6:57:38 AM
To: Whittier, Robert
Subject: TOC survey

Hi Bob,

I think you really need to be part of this call. What does your schedule look like for the next couple of weeks?

Bob

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