From: Nancy Rumrill
To: Meghan L Dailer
Subject: Respond ASAP - Fw: Question on the location of the seeps at Kahekili Beach Park and are there any other seeps?
Date: 01/21/2010 11:40 AM

Hi Meghan,

Wondering if this is possible for you to get the coordinates of the seeps (ie, over the seeps) that you sampled for Chip. If you aren't in the area, I was thinking of calling DLNR. What do you think. Would Darla White be able to help us get the GPS coordinates?

Thank you, Nancy

Nancy Rumrill
U.S. Environmental Protection Agency, Region 9
Ground Water Office, WTR-9
75 Hawthorne Street
San Francisco, CA 94105
415-972-3293
415-947-3545 (FAX)

----- Forwarded by Nancy Rumrill/R9/USEPA/US on 01/21/2010 11:34 AM -----

From: Nancy Rumrill/R9/USEPA/US
To: Meghan L Dailer <dailer@hawaii.edu>
Date: 01/15/2010 02:30 PM
Subject: Re: Fw: Question on the location of the seeps at Kahekili Beach Park and are there any other seeps?

Meghan,

Thank you for your information on the seeps and the reference to your study. We are trying to get exact coordinates of the seeps (ie, over the seeps) that you sampled for Chip. Are you already working in the area so that it would be convenient for you to get the waypoints over the seeps? If possible for you to do, let me know.

Thanks Nancy

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U.S. Environmental Protection Agency, Region 9
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▼ Meghan L Dailer ---12/11/2009 11:45:14 AM---Hi Nancy,

From: Meghan L Dailer <dailer@hawaii.edu>
To: Nancy Rumrill/R9/USEPA/US@EPA
Date: 12/11/2009 11:45 AM
Subject: Re: Fw: Question on the location of the seeps at Kahekili Beach Park and are there any other seeps?

Hi Nancy,

Attached are the waypoints for the two seep sites that we deploy algae over. Algae grown over both of these seeps for a week significantly increase in delta-N15 values from initial values of approximately 4 to final values ranging from 33 to 54. These seeps are continuosly flowing, oval shaped about 3 inches long and 2 inches wide. They are about 50 ft from shore in 4 to 5 feet of water. We did not take a waypoint over the seeps we sampled for Chip, but the seeps were not very far (only about 10-15 feet) from shore. The entire nearshore area infront of the Westin condo is covered in freshwater seeps- we hope to map them in the coming months. We plan to sumbit the final version of our Marine Pollution Bulletin manuscript today, although the data has not changed would you like an updated version? Let me know if you need anything else.

Thank you,
Meghan

----- Original Message -----
From: Rumrill.Nancy@epamail.epa.gov
Date: Thursday, December 10, 2009 3:46 pm
Subject: Fw: Question on the location of the seeps at Kahekili Beach Park and are there any other seeps?
To: Meghan L Dailer <dailer@hawaii.edu>

> Meghan,
>
> Another question. Chip says that his lat/longs were taken from the shore. May I get the coordinates that you have for these two seeps that were part of the USGS study and your study? Did you take them from above the seeps?
>
> Thank you, Nancy
> _____
> ---
> Nancy Rumrill
> U.S. Environmental Protection Agency, Region 9
> Ground Water Office, WTR-9
> 75 Hawthorne Street
> San Francisco, CA 94105
> 415-972-3293

> 415-947-3545 (FAX)

> ----- Forwarded by Nancy Rumrill/R9/USEPA/US on 12/10/2009 05:41 PM -----

> From: Nancy Rumrill/R9/USEPA/US

> To: Meghan L Dailer <dailer@hawaii.edu>

> Date: 12/10/2009 04:44 PM

> Subject: Question on the location of the seeps at Kahekili Beach Park and are there any other seeps?

>
>
> Hello Meghan,
>
> How are you?
>
> I have been talking with Chip Hunt at the USGS, and he has provided me with the lat and long info for the two seeps that he sampled as part of his tracer study related to the Lahaina Wastewater Reclamation Facility effluent. I understand that you provided the coordinates to him. He said that if there are any other seeps, you may know of them. Are there any other seeps that you are aware of that were part of your N isotope study that showed signs of the Lahaina effluent? Please provide a description and the locational coordinates if you have this information.
>
> Thank you for your help.
>
> Sincerely, Nancy
>
> _____
> ----------
> Nancy Rumrill
> U.S. Environmental Protection Agency, Region 9
> Ground Water Office, WTR-9
> 75 Hawthorne Street
> San Francisco, CA 94105
> 415-972-3293
> 415-947-3545 (FAX)[attachment "Seep Waypoints.xls" deleted by Nancy Rumrill/R9/USEPA/US]