To: Vaughn, Stephanie[Vaughn.Stephanie@epa.gov]
From: Marcia Greenblatt
Sent: Mon 6/3/2013 12:30:45 PM
Subject: RE: Field Modification Form - SSP2 Sediment Probing

What is your cell number?

Mine is 781.864.5055

From: Vaughn, Stephanie [mailto:Vaughn.Stephanie@epa.gov]
Sent: Monday, June 03, 2013 8:29 AM
To: Marcia Greenblatt
Subject: RE: Field Modification Form - SSP2 Sediment Probing

Sounds good, thanks.

From: Marcia Greenblatt [mailto:mgreenblatt@integral-corp.com]
Sent: Friday, May 31, 2013 5:07 PM
To: Vaughn, Stephanie
Subject: RE: Field Modification Form - SSP2 Sediment Probing

Stephanie,

I am taking the train down early Tuesday morning, renting a car, and planning on getting picked up by the boat around 10:30 at a place yet to be determined. We could plan to meet then, does that work?

Have a great weekend,

Marcia

From: Vaughn, Stephanie [mailto:Vaughn.Stephanie@epa.gov]
Sent: Friday, May 31, 2013 3:44 PM
To: Robert Law
Cc: Doug Simmons; Sharon Budney; kirchnersf@cdm.com; Willard Potter; Marcia Greenblatt
Subject: RE: Field Modification Form - SSP2 Sediment Probing

Hi Rob,

In response to your comments:

1. East bank across from 12A-0475 -- I reviewed my notes more thoroughly and see that the east bank in this area was included in your original probing plan. Our request was actually to use limited probing on the west bank, in the vicinity of location 12A-0475, to see if the proposed coring location to the south of this can be moved further south -- to the edge of the silt area.

2. East bank, Unnamed Creek -- there are several samples in this area, but not many cores to depth. We would like to collect at least one or two cores in this area to delineate the sediment to depth, and would like limited probing to be conducted in this area to determine whether this is possible. The existing probes do not appear to have been taken close to shore.

3. RM 11 to 12.5 -- the focus of this comment was meant to be on the area north of where your planned probing stops, from about RM 11.8 to 12.5, on both sides of the river. We understand that probing has already been conducted in this area, but the data is very limited here. It would be good to determine if there are any additional locations we can collect a core from, rather than just a grab.

4. We would like to collect 2 cores betwen RM 13 and 13.5, ideally placed at or about RM 13.125 and RM 13.375. The request for probing here is to see if this is possible.

I hope this helps clarify our requests -- please let me know if you would like to discuss further.

Thank you for uploading Revision 3 of the QAPP to SharePoint.

And as Rob and I discussed, the collection of push cores is not required. As I understand, the people conducting the probing have significant experience with this process and at least one person has previously conducted probing on the LPR.

Marcia -- see you Tuesday!

Thanks,

Stephanie

From: Robert Law
Sent: Thursday, May 30, 2013 1:54 PM
To: Vaughn, Stephanie
Cc: Doug Simmons; Sharon Budney; kirchnersf@cdm.com; Willard Potter; Marcia Greenblatt
Subject: RE: Field Modification Form - SSP2 Sediment Probing

Stephanie:

Please see the CPG responses below each of the EPA's comments.

Please contact me with any questions or comments

Thank you.

R/

Rob

Robert Law, Ph.D.
de maximis, inc.
rlaw@demaximis.com
Voice: 908-735-9315
Fax: 908-735-2132>>> "Vaughn, Stephanie" <Vaughn.Stephanie@epa.gov> 5/29/2013 8:52 AM >>>

Hi Rob,

We reviewed this field modification and have the following comments:

1. Please update to incorporate the additional areas listed in EPA's May 23rd email, as clarified on May 28th.

Response - Attached are a set of rough maps showing each area. I have included the 2012 bathy to show the approximate location of the 6' depth. The benthic locations have a dot in the triangle to distinguish them from the probing data.

1. East bank across from 12A-0475 - Included in original probing areas (see 12A-0475.pdf)

2. East bank, Unnamed creek - Included in original probing areas, several cores in this area (see Unnamed.pdf). Please clarify.

3. West bank, north of RM 9.5 marker - added a new probing area to fill in existing probing (see Unnamed.pdf).

4. Both banks, RM 11-12.5 - Some areas already included where previous probing was not performed. (See RM11-12-5.pdf). Please clarify.

5. West bank, RM 13-13.5 - Area already probed and two utilities in reach. (see RM13_13_5.pdf). Stephanie - Please clarify.

2. This is a field modification to the Quality Assurance Project Plan. Low Resolution Coring Supplemental Sampling Program. Lower Passaic River Restoration Project. June 2012, Revision 3. This

version of the QAPP does not appear to be posted on SharePoint. Please post.

Response - CPG had loaded the Revision 3 of the QAPP to the SharePoint Site. Revision 3 change pages had previously been provided to EPA by email. The revision loaded to the SharePoint site incorporates the change pages into the QAPP.

3. Consider performing some confirmation probing by collecting a push core of the sediment using a polycarbonate tube. We believe this could be easily done in some of the near shore (more shallow) locations. Such confirmation of sediment conditions identified from probing will help the individual performing the probing refine his/her technique and understanding of the sediment textures (feel and resistance).

Response - CPG does not recommend attempting to advance push cores into the sediment. The CPG will be following SOP-8: Sediment Probing, which was prepared by EPA's contractor Malcolm Pirnie and followed during past probing efforts. This SOP includes guidance for estimating sediment type, including examining the probing rod for finer materials that may adhere to the rod. The procedures outlined in this SOP have been used successfully in the past by both EPA's contractors and by AECOM. Also, we are using the CPG's 17 ft. Jon boat for this work. CPG believes this boat will provide an adequate platform for the probing with a small rod, but it may not provide an adequate platform to perform meaningful advancement of even a small diameter core tube. Additionally, this is a small boat and having on board probe rods, a captain, two AECOM staff, and one to two oversight personnel we will be approaching the safe working capacity of the boat. Also, if CPG follows past procedures, sediment collected in the push core will have to be retained as IDW, which will require having buckets on board to contain any retrieved sediments, further reducing the capacity of the boat. In summary, the CPG believes that using the procedures established by EPA and its contractors that have been successfully used in the past is the safest way to rapidly implement the probing program.

Thanks,

Stephanie

From: Robert Law [mailto:rlaw@demaximis.com]
Sent: Thursday, May 23, 2013 11:45 AM
To: Vaughn, Stephanie
Cc: Doug Simmons; Sharon Budney; kirchnersf@cdm.com; Willard Potter; Marcia Greenblatt
Subject: Field Modification Form - SSP2 Sediment Probing

Stephanie:

Attached is the field modification for conducting sediment probing in advance of finalizing SSP2 locations. Please review - as discussed we are planning to begin this work the week of June 3

Thank you.

R/

Rob

Robert Law, Ph.D.
de maximis, inc.
rlaw@demaximis.com
Voice: 908-735-9315
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