

Subject: RE: IMLCZO address
Date: Monday, July 20, 2015 at 4:38:22 PM Central Daylight Time
From: Yu, Mingjing
To: Rhoads, Bruce L, 'Praveen Kumar', Angelo, J Brock
CC: Kumar, Praveen, 'Qina Yan'
Category: IMLCZO

Hi Bruce,

No problem. We plan to download HOB0 data this week, and we can resurvey all of the hobo housing.

Mingjing

From: Rhoads, Bruce L
Sent: Monday, July 20, 2015 4:35 PM
To: 'Praveen Kumar'; Angelo, J Brock; Yu, Mingjing
Cc: Kumar, Praveen; 'Qina Yan'
Subject: RE: IMLCZO address

After thinking it over we should probably report stage (raw value) and the estimate of the elevation of the water surface relative to the pressure transducer. The latter could be based on an estimate of the elevation of our datum from lidar and the surveyed elevation of the pressure transducer. We will need to rework all of the data already collected into this form, but Mingjing should be able to do this. Also Mingjing, we should probably resurvey all of the hobo housings to get make sure the elevation of the transducers have not changed.

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From: Praveen Kumar [mailto:pkumar3691@gmail.com]
Sent: Monday, July 20, 2015 4:28 PM
To: Rhoads, Bruce L; Angelo, J Brock; Yu, Mingjing
Cc: Kumar, Praveen; 'Qina Yan'
Subject: Re: IMLCZO address

I wonder if we should publish "stage" and "stage below reference" as two streams to address this concern.

On 7/20/15 4:25 PM, Rhoads, Bruce L wrote:

An idea that may be a compromise – can we leave it at 100 m with a note that this is an arbitrary datum, but that based on analysis of lidar data it the absolute elevation is approximately xxx m (based on lidar) so people can convert it if they want to. That would be helpful to us in the short term.

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From: Praveen Kumar [<mailto:pkumar3691@gmail.com>]
Sent: Monday, July 20, 2015 4:17 PM
To: Rhoads, Bruce L; Angelo, J Brock; Yu, Mingjing
Cc: Kumar, Praveen; 'Qina Yan'
Subject: Re: IMLCZO address

Hi Bruce:

We are not using that data. But since we are making that data visible on the web I think having as close to the actual values will be best. This will be labelled as provisional and final data corrections can be made after a survey. So I would suggest that extracting the reference elevation from lidar can be done easily.

Qina, Mingjing: can you please take care.

Thanks.

On 7/20/15 4:09 PM, Rhoads, Bruce L wrote:

Hi Praveen

If you need absolute elevation of the water at that site for some work you are doing, then determining it with lidar is fine, but I would prefer for now to have the official data reported in relation to 100 m until we can get an accurate elevation surveyed on the bridge monument. Otherwise the data may be misleading in terms of accuracy.

Bruce

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From: Praveen Kumar [<mailto:pkumar3691@gmail.com>]
Sent: Monday, July 20, 2015 4:05 PM
To: Angelo, J Brock; Yu, Mingjing
Cc: Rhoads, Bruce L; Kumar, Praveen; Qina Yan
Subject: Re: IMLCZO address

Mingjing:

Can you work with Qina to extract the elevation of the specific point on the bridge from the Illinois lidar. We need to have true elevations and stage. Lidar data may not be the optimal and we may need a survey to establish the elevation of the reference point, but for now the lidar may provide information withing a small error. Bruce: what do you think?

Thanks.

On 7/20/15 3:52 PM, Angelo, J Brock wrote:

Mingjing,

That definitely would affect the outcome of the river stage calculations. Instead of -2.605428571 meters in the example I shared with you, the result becomes 96.99957143 meters. I would imagine we would need the exact height of the bridge, but I'm not familiar enough to say. Do you know who can confirm this for us? I'll copy Bruce and Praveen in case they can help us sort it out.

Thanks

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Email: jba@illinois.edu

From: Mingjing Yu <myu18@illinois.edu>
Date: Monday, July 20, 2015 at 3:32 PM
To: Brock Angelo <jba@illinois.edu>
Subject: RE: IMLCZO address

Hi Brock,

I checked the Word Document, and everything is correct. The "N-bridge" is the elevation of the bridge which I don't have. In my calculation, I just use 100m for the elevation of bridge at Saybrook.

Can you find the elevations of bridges in CZO dataset? Maybe survey record or Lidar data? I am not sure the purpose of your calculation, but if you don't think the elevations of bridges really matter, you can use 100m for the elevations.

Mingjing

From: Angelo, J Brock
Sent: Tuesday, July 14, 2015 4:29 PM
To: Yu, Mingjing
Subject: Re: IMLCZO address

Mingjing,

Would you have time to look at the calculations I'm doing to the river stage? I've been using this Word Document (attached) but I want to make sure that my formula is correct. The part that I think is missing is that in the formula, it references "N-bridge" but I only see "L-bridge" listed on the sheet.

It might help if you could see what I have and could compare. But using Goose Creek Bucks Pond, I grabbed data from a specific point and put it in. Would you mind confirming that my calculations are correct?

If my water pressure was 114.08 and my air pressure was 99.492, I came up with a water elevation of -2.605428571 .

I'm going to attach the spreadsheet I was using as well.

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From: <Yu>, Mingjing Yu <myu18@illinois.edu>
Date: Monday, July 13, 2015 at 5:30 PM
To: Brock Angelo <jba@illinois.edu>
Subject: RE: IMLCZO address

Hi Brock,

I could not find the zip file you uploaded today. But I have both "BigDitch_h2o_20150428.csv" and "BigDitch_h2o_20140508.csv" on my computer. I will upload my version of data. Please have a lot at them, and let me know if you have any question.

Thanks,
Mingjing

From: Angelo, J Brock
Sent: Monday, July 13, 2015 2:03 PM
To: Yu, Mingjing
Subject: Re: IMLCZO address

Mingjing,

There is one typo that I introduced when I uploaded the zipped version of these files. In BigDitch, the file named **BigDitch_h2o_20150428.csv** should have been **BigDitch_h2o_20140508.csv**. I'm sorry about the mixup. I don't have a RAR compression tool I can use, so I'll re-upload this as a zip file, but would you mind making sure that the file in your folder on your computer gets updated too?

Please let me know if you have any questions!

Thanks

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From: <Yu>, Mingjing Yu <myu18@illinois.edu>
Date: Wednesday, July 8, 2015 at 2:11 PM
To: Brock Angelo <jba@illinois.edu>
Subject: RE: IMLCZO address

Hi Brock,

I upload HOBO data named "HOBO_data_20150708". Please have a look at it, and let me know if anything needs to be changed.

<http://data.imlcz.org/clowder/files/559d756ce4b0486190b96dc3>

Thanks,
Mingjing

From: Angelo, J Brock
Sent: Thursday, June 25, 2015 5:51 PM
To: Yu, Mingjing
Subject: IMLCZO address

Mingjing,

It was nice meeting you today. I've uploaded a new zip file with the files renamed to our standard format. Feel free to take a look and see if it makes sense to you, and feel free to comment on the form, or suggest any changes.

<http://data.imlcz.org/medici/files/558c8576e4b02c42977abe>

[ad](#)

The geodashboard can be see here:
<http://data.imlcz.org/geodashboard/>

Thanks!

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