

From: [Garbaciak, Steve](#)
To: [Sager, John E - DNR](#)
Cc: [Gregory Prom \(MP\) \(gprom@mnpower.com\)](#); [Jamie Mehle \(SWLP\)](#); [Hughes, Erin](#); [Hanks, Brian C](#); [Laszewski, Steve](#); [Joscelyn Skandel \(SWLP\)](#)
Subject: Superior Former Manufactured Gas Plant Site preliminary results
Date: Tuesday, July 14, 2020 3:12:04 PM
Attachments: [image003.png](#)
[Figure 1 Sediment Investigation with Bathymetry and Preliminary Results.pdf](#)

John:

SWL&P has asked us to pass along some early results from the sediment sample collection portion of the Pre-Design Investigation (PDI) being conducted at the Superior Former Manufactured Gas Plant Site. As you will recall from SWL&P's clarification letter of March 17, 2020, we promised to prioritize the collection of samples C-11, C-12, and C-13 to confirm the outer extent of PAH impacts in sediment associated with the Site. We are pleased to report that those samples have been collected and analyzed, and as you will see on the attached figure, the total PAH results are below DNR's screening criteria and thus confirm that those locations are beyond the extent of the anticipated dredge area.

In accordance with the PDI Work Plan and our subsequent discussions, Foth will continue to focus on collecting the remaining sediment core samples from locations C-1 through C-10. We anticipate that process to run through next week.

Please let us know if you have any further questions.



Steve Garbaciak

Senior Technology Manager

Technical Competency Leader- Waterfront Services

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Subject: RE: Superior Former Manufactured Gas Plant Site preliminary results
Date: Wednesday, July 15, 2020 7:58:00 AM
Attachments: [image010.png](#)

Steve,

Good news. Thank you for the update. Please keep in mind our discussion of the SW15-SB06 area that falls outside of the anticipated dredge area depicted in your figure. As stated in the DNR's letter of March 3, 2020, contamination in this area will need to be addressed during the PDI investigation and subsequent ROAR and RAP development.

Thanks.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

John Sager

Hydrogeologist – Remediation and Redevelopment Program

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From: Garbaciak, Steve <Steve.Garbaciak@foth.com>

Sent: Tuesday, July 14, 2020 3:12 PM

To: Sager, John E - DNR <John.Sager@wisconsin.gov>

Cc: Gregory Prom (MP) (gprom@mnpower.com) <gprom@mnpower.com>; Jamie Mehle (SWLP) <JMehle@swlp.com>; Hughes, Erin <Erin.Hughes@foth.com>; Hanks, Brian C <Brian.Hanks@Foth.com>; Laszewski, Steve <Steve.Laszewski@Foth.com>; Joscelyn Skandel (SWLP) <jskandel@swlp.com>

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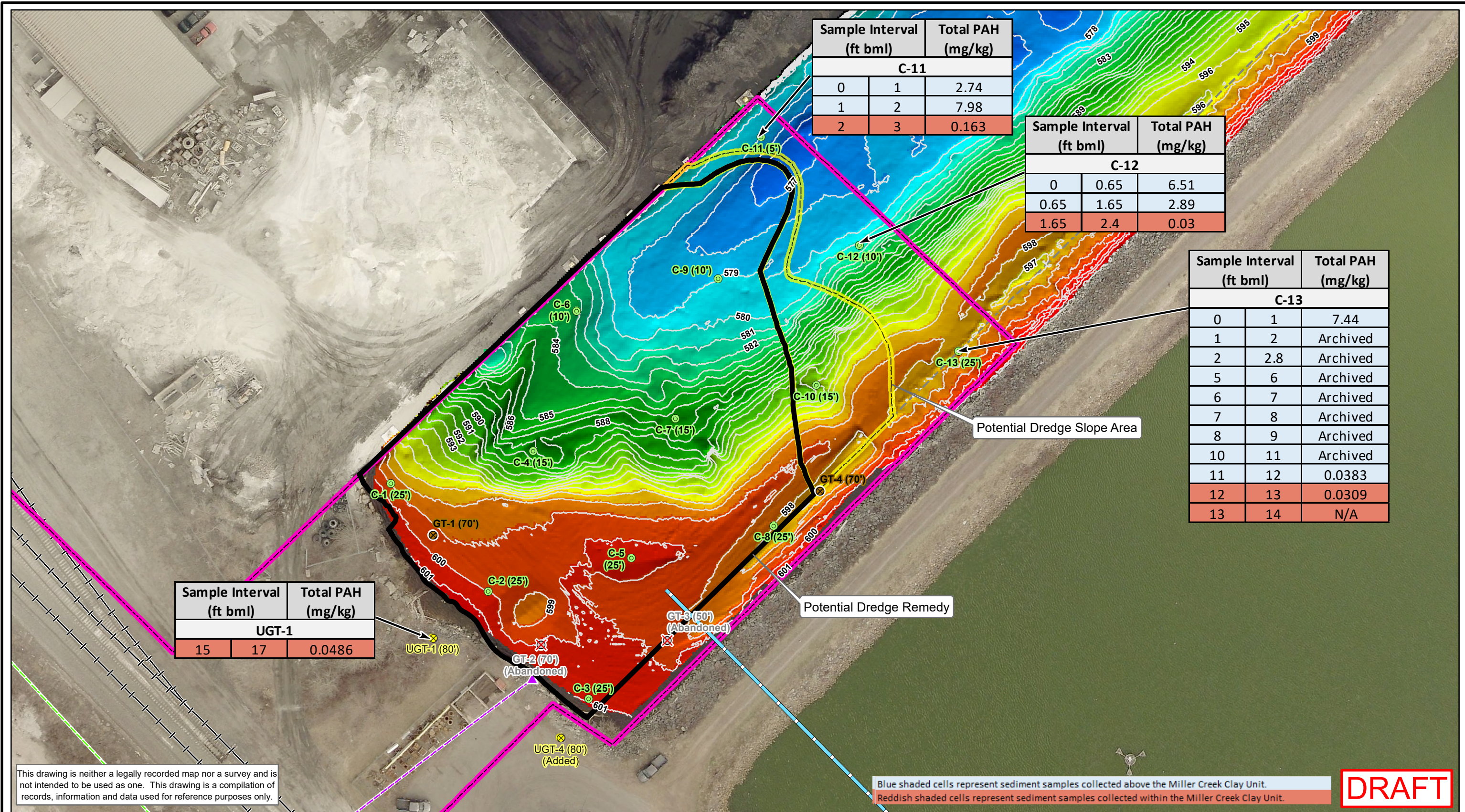
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Sample Interval (ft bml)		Total PAH (mg/kg)
C-11		
0	1	2.74
1	2	7.98
2	3	0.163

Sample Interval (ft bml)		Total PAH (mg/kg)
C-12		
0	0.65	6.51
0.65	1.65	2.89
1.65	2.4	0.03

Sample Interval (ft bml)		Total PAH (mg/kg)
C-13		
0	1	7.44
1	2	Archived
2	2.8	Archived
5	6	Archived
6	7	Archived
7	8	Archived
8	9	Archived
10	11	Archived
11	12	0.0383
12	13	0.0309
13	14	N/A

Sample Interval (ft bml)		Total PAH (mg/kg)
UGT-1		
15	17	0.0486

This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.

Blue shaded cells represent sediment samples collected above the Miller Creek Clay Unit.
 Reddish shaded cells represent sediment samples collected within the Miller Creek Clay Unit.

DRAFT

- NOTES:**
- 2016 - 3" resolution air photo from Douglas County.
 - Horizontal coordinate system: NAD 1983 Douglas County, units in feet.
 - Each Environmental Sediment Cores will be advanced approximately 2-feet into the Miller Creek Clay. Maximum anticipated core depths are labeled.
 - Bathymetric survey supplied by J.F. Brennan Co., Inc. Survey completed June 8 and 9, 2020. Vertical Datum is IGLD 1985.

- LEGEND**
- Proposed Environmental Sediment Cores (Maximum Boring Depth, feet)³
 - Proposed Geotechnical Sediment Cores
 - Abandoned Geotechnical Sediment Cores
 - CSTP#2 Outfall
 - Proposed Upland Geotechnical Borings
 - 1 Foot Elevation Contours
 - Potential Dredge Slope Area
 - Potential Dredge Remedy
 - Railroad
 - Toe of WWTP Berm
 - Approximate Site Boundary

- UTILITIES**
- Outfall
 - Storm Sewer
 - Sanitary Sewer

SWL&P
Foth

0 25 50 Feet

SUPERIOR WATER, LIGHT & POWER

FIGURE 1
 SEDIMENT INVESTIGATION LOCATIONS
 PRE-DESIGN INVESTIGATION WORK PLAN
 SUPERIOR, WISCONSIN

Date: JULY 2020 Revision Date:
 Drawn By: DAT Checked By: ECH1 Project: 18S024