

From: Harvey, Christopher <CHarvey@trccompanies.com>
Sent: Monday, August 21, 2023 1:55 PM
To: Webb, Carrie A - DNR
Cc: Wachholz, Benjamin; Smith, Jason; Jackson, Katelyn; Krueger, Sarah E - DNR
Subject: RE: [EXTERNAL] RE: HARP - Notice of Field Activities

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Carrie,

Thank you for having the call with us this afternoon regarding the fish tissue sampling activities. It was helpful. Below is a summary of discussion points and questions that were addressed on the call.

- The group discussed the application of the rule that the smallest and largest fish in a given species must be within 75% of each other for total length. We discussed the language in section 4.2 of the NRMP and asked for confirmation that this rule should only apply to composited species under the ecological risk objectives. WDNR agreed and the group came to the consensus that the 75% rule does not apply to samples comprised of individual fish (i.e., all human health risk species and Common Carp).
- WDNR confirmed that it is acceptable to collect Rock Bass in the 6-8" range as an alternate size class.
- WDNR confirmed that it is acceptable to collect Black bullhead in the 6-8" range as an alternative size class.
- WDNR confirmed that Golden Shiner could be used as an additional alternate ecological species.
- WDNR confirmed that, where juvenile Longnose Dace were present (within the 2-4" or 4-6" size class), the species could be used as an alternate ecological species and/or supplement composite samples for Blacknose Dace within the same size class (i.e., juvenile Longnose Dace and Blacknose Dace within the same size class could be mixed to comprise one composite, where necessary).
- We asked for clarification on completeness goals for a given location. WDNR confirmed that additional effort is probably necessary where minimum target completeness goals have not been achieved, as indicated in the NRMP Section 4.5. We will look at where we are at the end of the week.

Thank you,
Chris

Chris Harvey, PE
C 312-909-0043

From: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>
Sent: Thursday, August 17, 2023 4:04 PM
To: Harvey, Christopher <CHarvey@trccompanies.com>; Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Cc: Wachholz, Benjamin <BWachholz@trccompanies.com>; Smith, Jason <jason.smith@tecumseh.com>
Subject: RE: [EXTERNAL] RE: HARP - Notice of Field Activities

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Please consider their answer the correct one and ignore mine. I was trying to answer to the best of my ability to get you answers quickly. It looks like the person is booked tomorrow anyway. Our regular fish expert should be back in the office Monday so if any questions come up, we could schedule something then.

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Carrie Webb

Sediment Team Leader – Remediation & Redevelopment

920-843-1014

Carriea.webb@wisconsin.gov

From: Harvey, Christopher <CHarvey@trccompanies.com>
Sent: Thursday, August 17, 2023 3:54 PM
To: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>; Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Cc: Wachholz, Benjamin <BWachholz@trccompanies.com>; Smith, Jason <jason.smith@tecumseh.com>
Subject: RE: [EXTERNAL] RE: HARP - Notice of Field Activities

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Carrie,

Could we set up a call with the fisheries tomorrow to discuss? Regarding the 75% length requirement, we seem to have conflicting responses.

Thanks. Chris

Chris Harvey, PE
C 312-909-0043

From: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>
Sent: Thursday, August 17, 2023 3:04 PM
To: Harvey, Christopher <CHarvey@trccompanies.com>; Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Cc: Wachholz, Benjamin <BWachholz@trccompanies.com>; Smith, Jason <jason.smith@tecumseh.com>
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Hi Chris, I just heard back and fish comments are below:

That 6-8" for rock bass makes good sense – we would rarely see rock bass >12". Also, the bluegill target sizes seem small to me?

I doubt the public would eat a bullhead <8"?

I think it would likely be fine to substitute golden shiner.

As for the 75% length requirement, it seems clear at the end of section 4.2 that the smallest fish in the composite sample will be no less than 75% of the length of the largest individual. I believe this also applies to individual fish sampled for the optimum completeness goal (section 4.1).

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Carrie Webb

Sediment Team Leader – Remediation & Redevelopment
920-843-1014
Carriea.webb@wisconsin.gov

From: Harvey, Christopher <CHarvey@trccompanies.com>
Sent: Thursday, August 17, 2023 2:01 PM
To: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>; Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Cc: Wachholz, Benjamin <BWachholz@trccompanies.com>; Smith, Jason <jason.smith@tecumseh.com>
Subject: RE: [EXTERNAL] RE: HARP - Notice of Field Activities

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Carrie,

Thanks for the feedback.

So far, we are not finding much in the target size or alternate size. We would like additional input from the fisheries.

Thanks. Chris

Chris Harvey, PE
C 312-909-0043

From: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>
Sent: Thursday, August 17, 2023 1:44 PM
To: Harvey, Christopher <CHarvey@trccompanies.com>; Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Cc: Wachholz, Benjamin <BWachholz@trccompanies.com>; Smith, Jason <jason.smith@tecumseh.com>
Subject: [EXTERNAL] RE: HARP - Notice of Field Activities

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Hi Chris, I haven't heard from fisheries yet but wanted to provide you some feedback asap.

- The 8-10" size for rock bass is already an alternative size. If you can not find enough 10-16" target sizes after a more exhaustive effort, then we would need to get input from fisheries to consider including 6-8" sizes.
- Again, the 10-12" is already an alternative size. If you can not find enough 12-18" target sizes after a more exhaustive effort, then we would need to get input from fisheries to consider including 6-10" sizes.
- Yes, if enough common shiners can not be found, golden shiners can be included in addition to any common shiners that you find.
- As for the 75% question, the plan first states "The smallest fish in each individual or composite sample from each location will be no less than 75% of the length of the largest individual." But later in the plan it says that is for composite, and then rock bass and white sucker for human health do not have a WDNR specified minimum length. So I interpret that as the 75% does not apply to individual samples.

Thank you for checking and let me know if you have any questions.

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

Carrie Webb

Sediment Team Leader – Remediation & Redevelopment

920-843-1014

Carriea.webb@wisconsin.gov

From: Harvey, Christopher <CHarvey@trccompanies.com>

Sent: Wednesday, August 16, 2023 2:59 PM

To: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>

Cc: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>; Wachholz, Benjamin <BWachholz@trccompanies.com>; Smith, Jason <jason.smith@tecumseh.com>

Subject: RE: HARP - Notice of Field Activities

Importance: High

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Sarah,

We started the fish sampling yesterday. Based on the initial observations, we have a few questions and clarifications. We would appreciate a response asap to help complete the fish sampling.

- Would it be possible to include an alternate size category for Rock Bass for 6-8" fish? The field crew has observed a number of individuals in this size range that are of edible (filet-ready) size.
- Would it be possible to include alternate size categories for Black Bullhead for 6-8" and 8-10" fish? Again, the crew has observed a number of individuals in these size ranges.
- Can Golden Shiner be added as an Alternate Ecological Risk species (with size ranges identical to the other Alternate Ecological Risk species)? This species has been abundant in locations where Common Shiner has not been found or in very low numbers.
- Can you please confirm that the 75% length requirement does not apply to species treated as individual samples (i.e., Rock Bass, Largemouth Bass, Smallmouth Bass, Pumpkinseed, Black Bullhead, adult White Sucker, and Common Carp) – only to composited species (i.e., Creek Chub, Juvenile White Sucker, Bluegill, Blacknose Dace, and/or Common Shiner)?

Thank you,
Chris

Chris Harvey, PE
C 312-909-0043

From: Harvey, Christopher
Sent: Wednesday, August 2, 2023 9:38 AM
To: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Cc: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>; Wachholz, Benjamin <BWachholz@trccompanies.com>; Smith, Jason <jason.smith@tecumseh.com>
Subject: HARP - Notice of Field Activities

Sarah,

Good morning. I am providing notice to WDNR that on August 15, TRC will start the 2023 fish sampling activities in accordance with the Long-Term Monitoring Plan for Fish Tissue Monitoring associated with HARP. We expect this sampling effort to go through at least August 25.

If you have any questions, please contact me at 312-909-0043.

Chris

Chris Harvey, PE
C 312-909-0043

From: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Sent: Thursday, June 15, 2023 10:14 AM
To: Harvey, Christopher <CHarvey@trccompanies.com>; Smith, Jason <jason.smith@tecumseh.com>
Cc: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>
Subject: [EXTERNAL] HARP DNR Coverage while Project Manager on Leave

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Good Morning Chris and Jason –

As of close of business today June 15, 2023, I will be out of the office and on leave through September 8, 2023. I will return to work part time on September 11, 2023. **While I am out of the office please continue to copy me on report submittals.**

The Hayton Area Remediation Project sites will be covered by **Carrie Webb** please be sure to include her on submittals and communication while I am out of the office. Carrie Webb will coordinate DNR field oversight for the geomorphic evaluation and sediment sampling events this summer. Please ensure to provide timely notification of site work to Carrie similar to the notification you provided for the May surface water sampling event.

In order to finalize the sample locations following the geomorphic evaluation, please provide final figures with any updated locations. It would be helpful if the long term monitoring samples were on small scale detail maps to more easily identify the sample locations, similar to the Downstream of the Hayton Millpond Dam Site Investigation Work Plan figure.

Thank you,
Sarah

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

Sarah Krueger, P.G.

Contaminated Sediment Specialist

Wisconsin Department of Natural Resources

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