

**From:** [Machemer, Steve](#)  
**To:** [Richardson, Todd](#)  
**Subject:** RE: Reading Lead - additional data collected  
**Date:** Thursday, July 27, 2017 5:01:38 PM

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Todd,

Thanks for the additional information for the XRF readings.

I think one could draw the following general conclusions: 1) Pb near and in exceedance of the 400 ppm residential soil threshold over a widespread area (a roughly ½ mile spread for the southern data grouping) in a parkland environment with sampling avoiding possible paint sources, suggests industrial sources for the observed elevated lead, 2) a relationship between ex-situ Pb and Zn in the Heritage Park area soil (a relationship which may include South St Park and/or Riverfront park soils), is consistent with a brass foundry source (though hardly conclusive), and 3) elevated Pb relative to Zn in the Canal St field suggests multiple sources of Pb may exist.

We can discuss further after Aug. 17<sup>th</sup>.  
Steve

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**From:** Richardson, Todd  
**Sent:** Thursday, July 27, 2017 11:37 AM  
**To:** Machemer, Steve <Machemer.Steve@epa.gov>  
**Cc:** Maser, Dean <Dean.Maser@WestonSolutions.com>  
**Subject:** FW: Reading Lead - additional data collected  
**Importance:** High

Hi Steve,  
Hopefully this helps. Please let me know of any conclusions you are able to reach, or if you have in questions.  
Thanks,  
Todd

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**From:** Eden, Kenneth [<mailto:Ken.Eden@WestonSolutions.com>]  
**Sent:** Thursday, July 27, 2017 12:37 PM  
**To:** Richardson, Todd <[Richardson.Todd@epa.gov](mailto:Richardson.Todd@epa.gov)>  
**Subject:** RE: Reading Lead - additional data collected  
**Importance:** High

Todd,

Please see attached figure with the Ex-situ results and the data table with the Run #s.

Let me know if this is what you need.

Thanks, Ken

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**From:** Richardson, Todd [<mailto:Richardson.Todd@epa.gov>]  
**Sent:** Wednesday, July 26, 2017 3:11 PM  
**To:** Eden, Kenneth <[Ken.Eden@WestonSolutions.com](mailto:Ken.Eden@WestonSolutions.com)>  
**Subject:** Re: Reading Lead - additional data collected

Thanks Ken

Sent from my iPhone

On Jul 26, 2017, at 1:46 PM, Eden, Kenneth <[Ken.Eden@WestonSolutions.com](mailto:Ken.Eden@WestonSolutions.com)> wrote:

Abe is working on a cleaner version of my figure to show the ex-situ results. Hope to have to you later today or tomorrow morning.

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**From:** Richardson, Todd [<mailto:Richardson.Todd@epa.gov>]  
**Sent:** Wednesday, July 26, 2017 12:45 PM  
**To:** Eden, Kenneth <[Ken.Eden@WestonSolutions.com](mailto:Ken.Eden@WestonSolutions.com)>  
**Subject:** FW: Reading Lead - additional data collected

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**From:** Richardson, Todd  
**Sent:** Wednesday, July 12, 2017 5:47 PM  
**To:** Machemer, Steve <[Machemer.Steve@epa.gov](mailto:Machemer.Steve@epa.gov)>  
**Subject:** Reading Lead - additional data collected

Steve,  
At your convenience, please review the attached data/short report. Ex-situ XRF data logs obviously contains all detected metals at each screening location. The maps give a general idea of the special distribution of samples collected. Please let me know if I can help to clarify anything.  
Much appreciated!  
Todd

Todd Richardson  
On-Scene Coordinator  
EPA Region III  
(215)779-4592

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