



Sent via E-mail Only

Heidelberg Materials Northeast LLC

7660 Imperial Way
Allentown, PA 18195
Phone (610) 366-4600

October 12, 2023

Richard E. Tallman, P.E.
Pennsylvania Department of Environmental Protection
Pottsville District Mining Office
5 West Laurel Boulevard
Pottsville, PA 17901

**Re: Limited Activity Based Sampling Event 4 Report
Rock Hill Quarry
SMP No. 7974SM1
East Rockhill Township
Bucks County, Pennsylvania**

Dear Mr. Tallman:

Enclosed are the results of Heidelberg Materials Northeast LLC's ("Heidelberg") limited activity based sampling event 4 (500 Ton Removal Event) at the Rock Hill Quarry ("Quarry") on August 22, 2023, performed in accordance with the Pennsylvania Department of Environmental Protection's ("PADEP") June 21, 2023 authorization. The attachments include laboratory analysis of samples collected during the sampling event, meteorological data collected from the Quarry weather station from August 19, 2023 through August 22, 2023, and GPS vehicle tracking data logs for equipment used during the event.

Heidelberg has now completed all of the approved activity-based sampling events at the Quarry. For reference, those events were as follows:

- June 1, 2022 - Light Truck Movement,
- October 11, 2022 - Equipment Delivery and Site Maintenance,
- April 12, 2023 - Stockpile Movement, and
- August 22, 2023 - 500 Ton Removal Event.

For the 500 Ton Removal Event, the laboratory data indicates that only one (1) non-asbestiform amphibole structure was identified. These results are consistent with the prior activity based sampling events. In total, across fifty-five (55) samples collected and analyzed from the four (4) separate activity based sampling events, only three (3) total amphibole structures have been identified, none of which were determined to be asbestiform structures. Even assuming that the identified structures were determined to be asbestiform, the detections would have resulted in concentrations that are significantly lower than PADEP's action limit of 0.01 fibers/cc.

Now that it has completed all of the required activity-based sampling exercises, Heidelberg respectfully requests that PADEP lift its December 5, 2018 cessation order and allow Heidelberg to fully resume permitted operations at the Quarry. The results of the air sampling over the last two (2) years demonstrate that operations at the Quarry will not result in an unacceptable risk of exposure to asbestos associated with quarrying activities.

Sincerely,



Andrew J. Gutshall, P.G.
Region Mine Permitting Manager

encl: Attachments 1-3

cc: John Stefanko, PADEP (e-mail only)
Randy Shustack, PADEP (e-mail only)
Michael P. Kutney, P.G., PADEP (e-mail only)
Ross Klock, PADEP (e-mail only)
Tiffany Folk, P.G., PADEP (e-mail only)
Amiee Bollinger, PADEP (e-mail only)
Darren Henry, PADEP (e-mail only)
James Rebarchak, PADEP (e-mail only)
Sachin Shankar, P.E., PADEP (e-mail only)
Jillian Gallagher, PADEP (e-mail only)
Ashley Davis, PADEP (e-mail only)
Robert Fogel, PADEP (e-mail only)
Neil Shader, PADEP (e-mail only)
Craig Lambeth, Esq., PADEP (e-mail only)
Marianne Morano, East Rockhill Township (e-mail only)
County of Bucks (e-mail only)
Rockhill Environmental Preservation Alliance (e-mail only)
Julie Goodman, PhD, Gradient Corp. (e-mail only)
Kelly Bailey, CIH, KBC LLC (e-mail only)
Bryan Bandli, PhD, RJ Lee Group (e-mail only)
Matthew Weikel, P.G., EARTHRES (e-mail only)
Joe Kim, P.E., EARTHRES (e-mail only)
Kristian Witt, CMI (e-mail only)
Mark E. Kendrick, Heidelberg (e-mail only)
Michael C. Lewis, CHMM, Heidelberg (e-mail only)
Timothy S. Jacobs, Heidelberg (e-mail only)
David A. Assalone, Esq., Heidelberg (e-mail only)
Robert J. Schena, Esq., Fox Rothschild LLP
Environmental File

Attachment 1
Laboratory Analysis

PRIVILEGED AND CONFIDENTIAL

October 4, 2023

Robert Schena
Fox Rothschild LLP
2700 Kelly Road, Suite 300
Warrington, PA 18976

RE: Air Sample Analyses
RJ Lee Group Project Number: LLH901997

Mr. Schena,

RJ Lee Group (RJLG) has analyzed eighteen (18) samples, including two (2) blank filter cassettes, collected by Compliance Management International on August 22, 2023. The samples were received in good condition via FedEx on August 25 and 30, 2023. The samples were analyzed using ISO method 10312 modified per OSWER Directive #9200.0-68 to include fibers $\geq 0.5 \mu\text{m}$ long and $\geq 3:1$ aspect ratio.

Figure 1 shows the location of the sampling sites on a map of the Rock Hill quarry site as well as the wind direction (as recorded by Compliance Management International) during the sampling event.

Of the eighteen samples analyzed, no countable structures ($\geq 0.5 \mu\text{m}$ long, $\geq 3:1$ aspect ratio) were detected in seventeen of the samples. A single amphibole structure (Figure 2) was observed during the analysis of sample M3H (3185000) collected at site location M3. The structure is $3.8 \mu\text{m}$ long and $0.8 \mu\text{m}$ wide (aspect ratio 4.75) and does not have characteristics of asbestiform morphology. The concentration calculated from this analysis is 0.0007 fibers/cc and is 14 times lower than the proposed action limit of 0.01 fibers/cc.

No countable structures were observed on either of the analyzed field blanks.

The laboratory analysis report is attached for reference.

Table 1 provides a listing of the total number of grid openings analyzed and grid opening areas for each analyzed sample.

If you have any questions, please do not hesitate to contact me directly.

Sincerely,



Bryan Bandli, Ph.D.
Principal Investigator
bbandli@rjleegroup.com

Table 1. Grid opening areas and grid openings analyzed.

Client Sample Number	RJLG Sample ID	Grid Opening Area (mm ²)	Grid Openings analyzed
M3L	3184994	0.00955719	40
M4L	3184995	0.00955719	40
M5L	3184996	0.00955719	40
M6L	3184997	0.00955719	40
M2L	3184998	0.00955719	40
M2H	3184999	0.00955719	40
M3H	3185000	0.00955719	40
M4H	3185001	0.00955719	80
M5H	3185002	0.00955719	40
M6H	3185003	0.00955719	40
M1L	3185004	0.00955719	40
M1H	3185005	0.00955719	40
M7L	3185006	0.00955719	40
M7H	3185007	0.00955719	40
M8L	3185008	0.00955719	40
M8H	3185009	0.00955719	40
B1	3185010	0.00955719	40
B2	3185011	0.00955719	40

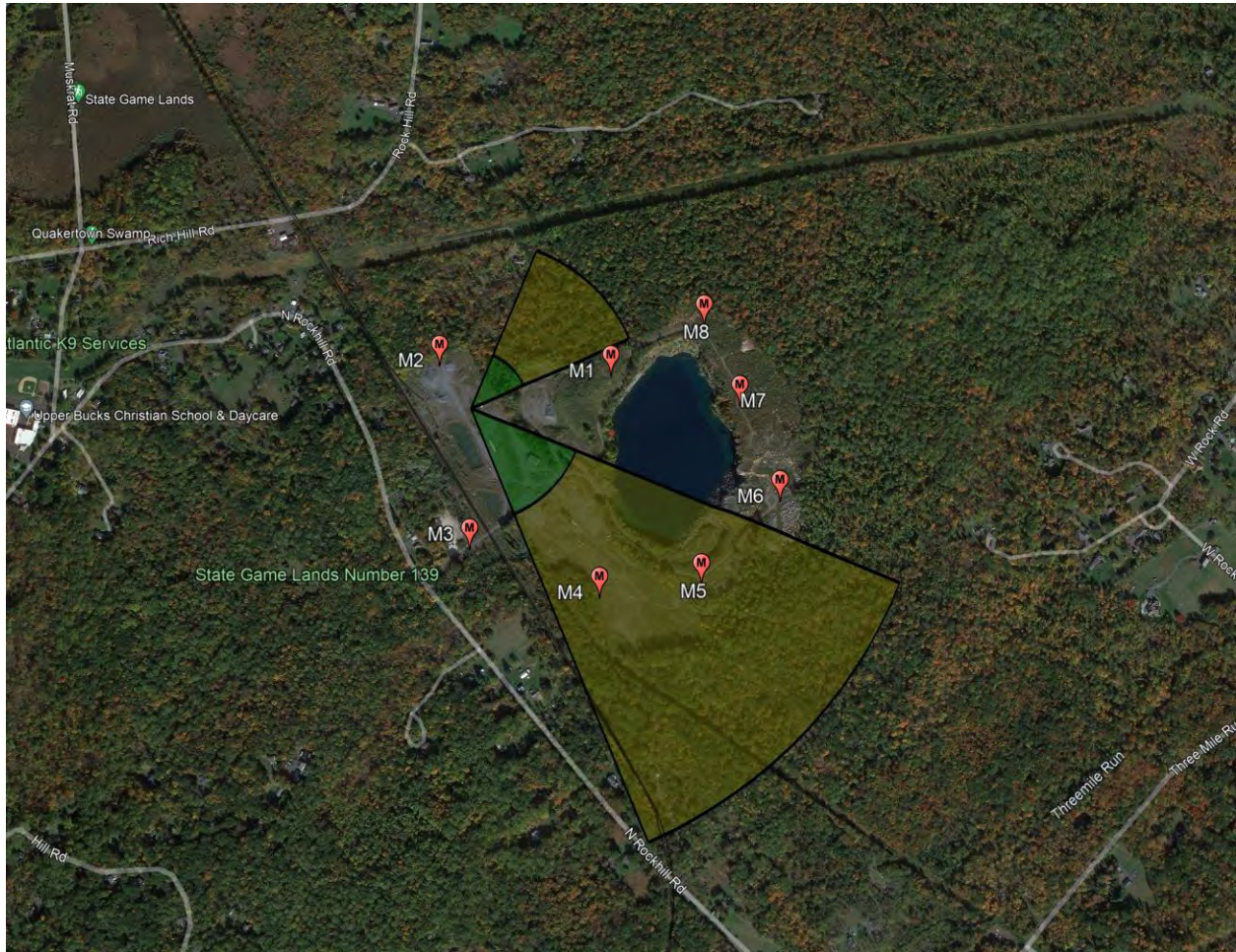


Figure 1. Rock Hill quarry site map, with August 22, 2023 Windrose diagram and sample collection locations indicated.

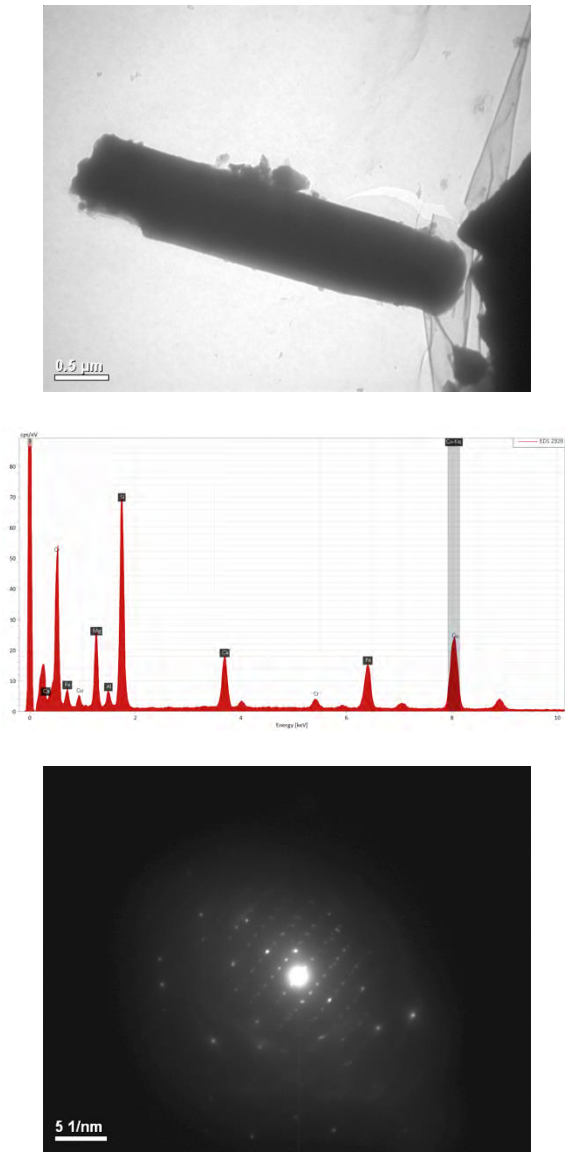


Figure 2. Electron micrograph (top), energy dispersive x-ray spectrum (middle) and selected area electron diffraction pattern (bottom) from actinolite structure observed in sample M3H (3185000) collected at site location M3. The structure measures 3.8 μm long and 0.8 μm wide (aspect ratio 8.0)

Final Laboratory Report

TEM ISO Analysis

Mr. Robert Schena
Fox Rothschild LLP
747 Constitution Drive
Suite 100
Exton, PA 19341
US

Report Date: 09/13/2023
Sample Receipt Date: 08/30/2023
RJ Lee Group Job No.: LLH901997-41
Authorization/P.O. No.:
Samples Received: 18
Client Job No.:

ISO 10312, 2nd Edition 2019

TABLE 1 – Structures Length $\geq 0.5\mu\text{m}$, Length:Width Aspect Ratio $\geq 3:1$

Client Sample Number	RJLG Sample Number	Sample Description	Filter Area (mm ²)	Volume (liter)	Area Analyzed (mm ²)	Total Structures		95% Confidence Interval		Analytical Sensitivity (S/cc)	Total Structures Concentration (S/cc)		Asbestiform Amphibole	
						Chry	Amph	Chry	Amph		Chry	Amph	No.	S/cc
M3L	3184994.HT	M3 Collected 8/22/23	385	1056	0.38229	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
M4L	3184995.HT	M4 Collected 8/22/23	385	1064	0.38229	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
M5L	3184996.HT	M5 Collected 8/22/23	385	1048	0.38229	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
M6L	3184997.HT	M6 Collected 8/22/23	385	1056	0.38229	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011

NOTES

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- Abbreviations: N/A-Not Applicable, O/L-Overloaded, Chry-Chrysotile Asbestos, Amph-Amphibole Asbestos, NAS-Non-Asbestos Structures, f-Asbestos Fibers, F-Total Fibers.
- Samples will be held for 90 days and then disposed of per Federal regulations.
- Sample(s) for this project were analyzed at our Pittsburgh, PA (AIHA LAP, LLC #292885, NVLAP #101208-0, NY ELAP #10884) facility.
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RJ Lee Group, Inc.

Final Laboratory Report (cont'd)

RJ Lee Group Job No: LLH901997-41

Client: Fox Rothschild LLP

Client Job No/Name:

Report Date: 09/13/2023

TABLE 1 – Structures Length ≥0.5µm, Length:Width Aspect Ratio ≥3:1

Client Sample Number	RJLG Sample Number	Sample Description	Filter Area (mm ²)	Volume (liter)	Area Analyzed (mm ²)	Total Structures		95% Confidence Interval		Analytical Sensitivity (S/cc)	Total Structures Concentration (S/cc)		Asbestiform Amphibole	
						Chry	Amph	Chry	Amph		Chry	Amph	No.	S/cc
M2L	3184998.HT	M2 Collected 8/22/23	385	1012	0.38229	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
M2H	3184999.HT	M2 Activity Collected 8/22/23	385	1572	0.38229	0	0	0 - 3	0 - 3	0.0006	< 0.0006	< 0.0006	0	< 0.0006
M3H	3185000.HT	M3 Activity Collected 8/22/23	385	1456	0.38229	0	1	0 - 3	0 - 5	0.0007	< 0.0007	0.0007	0	< 0.0007
M4H	3185001.HT	M4 Activity Collected 8/22/23	385	1480	0.38229	0	0	0 - 3	0 - 3	0.0007	< 0.0007	< 0.0007	0	< 0.0007
M5H	3185002.HT	M5 Activity Collected 8/22/23	385	1532	0.38229	0	0	0 - 3	0 - 3	0.0007	< 0.0007	< 0.0007	0	< 0.0007
M6H	3185003.HT	M6 Activity Collected 8/22/23	385	1596	0.38229	0	0	0 - 3	0 - 3	0.0006	< 0.0006	< 0.0006	0	< 0.0011
M1L	3185004.HT	M1 Collected 8/22/23	385	968	0.38229	0	0	0 - 3	0 - 3	0.0010	< 0.0010	< 0.0010	0	< 0.0010
M1H	3185005.HT	M1 Activity Collected 8/22/23	385	1460	0.38229	0	0	0 - 3	0 - 3	0.0007	< 0.0007	< 0.0007	0	< 0.0007
M7L	3185006.HT	M7 Collected 8/22/23	385	968	0.38229	0	0	0 - 3	0 - 3	0.0010	< 0.0010	< 0.0010	0	< 0.0010
M7H	3185007.HT	M7 Activity Collected 8/22/23	385	1556	0.38229	0	0	0 - 3	0 - 3	0.0007	< 0.0007	< 0.0007	0	< 0.0007

NOTES

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RJ Lee Group, Inc.

Final Laboratory Report (cont'd)

RJ Lee Group Job No: LLH901997-41

Client: Fox Rothschild LLP

Client Job No/Name:

Report Date: 09/13/2023

TABLE 1 – Structures Length $\geq 0.5\mu\text{m}$, Length:Width Aspect Ratio $\geq 3:1$

Client Sample Number	RJLG Sample Number	Sample Description	Filter Area (mm ²)	Volume (liter)	Area Analyzed (mm ²)	Total Structures		95% Confidence Interval		Analytical Sensitivity (S/cc)	Total Structures Concentration (S/cc)		Asbestiform Amphibole	
						Chry	Amph	Chry	Amph		Chry	Amph	No.	S/cc
M8L	3185008.HT	M8 Collected 8/22/23	385	972	0.38229	0	0	0 - 3	0 - 3	0.0010	< 0.0010	< 0.0010	0	< 0.0010
M8H	3185009.HT	M8 Activity Collected 8/22/23	385	1512	0.38229	0	0	0 - 3	0 - 3	0.0007	< 0.0007	< 0.0007	0	< 0.0007
B1	3185010.HT	Blank Collected 8/22/23	385	0	0.38229	0	0	0 - 3	0 - 3	N/A	N/A	N/A	0	N/A
B2	3185011.HT	Blank Collected 8/22/23	385	0	0.38229	0	0	0 - 3	0 - 3	N/A	N/A	N/A	0	N/A

NOTES

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RJ Lee Group, Inc.

RJ Lee Group Job No: LLH901997-41
 Client Job No/Name:

Final Laboratory Report (cont'd)

Client: Fox Rothschild LLP
 Report Date: 09/13/2023

TABLE 2 – Structures Length ≥5.0µm, Length:Width Aspect Ratio ≥3:1

Client Sample Number	RJLG Sample Number	Sample Description	Filter Area (mm²)	Volume (liter)	Area Analyzed (mm²)	Total Structures		95% Confidence Interval		Analytical Sensitivity (S/cc)	Total Structures Concentration (S/cc)		Asbestiform Amphibole	
						Chry	Amph	Chry	Amph		Chry	Amph	No.	S/cc
M3L	3184994.HT	M3 Collected 8/22/23	385	1056	0.38229	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
M4L	3184995.HT	M4 Collected 8/22/23	385	1064	0.38229	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
M5L	3184996.HT	M5 Collected 8/22/23	385	1048	0.38229	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
M6H	3184997.HT	M6 Collected 8/22/23	385	1056	0.38229	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
M2L	3184998.HT	M2 Collected 8/22/23	385	1012	0.38229	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
M2H	3184999.HT	M2 Activity Collected 8/22/23	385	1572	0.38229	0	0	0 - 3	0 - 3	0.0006	< 0.0006	< 0.0006	0	< 0.0006
M3H	3185000.HT	M3 Activity Collected 8/22/23	385	1456	0.38229	0	0	0 - 3	0 - 3	0.0007	< 0.0007	< 0.0007	0	< 0.0007
M4H	3185001.HT	M4 Activity Collected 8/22/23	385	1480	0.38229	0	0	0 - 3	0 - 3	0.0007	< 0.0007	< 0.0007	0	< 0.0007

NOTES

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RJ Lee Group, Inc.

Final Laboratory Report (cont'd)

RJ Lee Group Job No: LLH901997-41
 Client Job No/Name:

Client: Fox Rothschild LLP
 Report Date: 09/13/2023

TABLE 2 – Structures Length ≥5.0µm, Length:Width Aspect Ratio ≥3:1

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M6H	3185003.HT	M6 Activity Collected 8/22/23	385	1596	0.38229	0	0	0 - 3	0 - 3	0.0006	< 0.0006	< 0.0006	0	< 0.0006
M1L	3185004.HT	M1 Collected 8/22/23	385	968	0.38229	0	0	0 - 3	0 - 3	0.0010	< 0.0010	< 0.0010	0	< 0.0010
M1H	3185005.HT	M1 Activity Collected 8/22/23	385	1460	0.38229	0	0	0 - 3	0 - 3	0.0007	< 0.0007	< 0.0007	0	< 0.0007
M7L	3185006.HT	M7 Collected 8/22/23	385	968	0.38229	0	0	0 - 3	0 - 3	0.0010	< 0.0010	< 0.0010	0	< 0.0010
M7H	3185007.HT	M7 Activity Collected 8/22/23	385	1556	0.38229	0	0	0 - 3	0 - 3	0.0007	< 0.0007	< 0.0007	0	< 0.0007
M8L	3185008.HT	M8 Collected 8/22/23	385	972	0.38229	0	0	0 - 3	0 - 3	0.0010	< 0.0010	< 0.0010	0	< 0.0010
M8H	3185009.HT	M8 Activity Collected 8/22/23	385	1512	0.38229	0	0	0 - 3	0 - 3	0.0007	< 0.0007	< 0.0007	0	< 0.0007

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RJ Lee Group, Inc.


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Final Laboratory Report (cont'd)

Client: Fox Rothschild LLP
 Report Date: 09/13/2023

TABLE 2 – Structures Length $\geq 5.0\mu\text{m}$, Length:Width Aspect Ratio $\geq 3:1$

Client Sample Number	RJLG Sample Number	Sample Description	Filter Area (mm ²)	Volume (liter)	Area Analyzed (mm ²)	Total Structures		95% Confidence Interval		Analytical Sensitivity (S/cc)	Total Structures Concentration (S/cc)		Asbestiform Amphibole	
						Chry	Amph	Chry	Amph		Chry	Amph	No.	S/cc
B1	3185010.HT	Blank Collected 8/22/23	385	0	0.38229	0	0	0 - 3	0 - 3	N/A	N/A	N/A	0	N/A
B2	3185011.HT	Blank Collected 8/22/23	385	0	0.38229	0	0	0 - 3	0 - 3	N/A	N/A	N/A	0	N/A

Authorized Signature: 
 Bryan Bandli, Principal Investigator

NOTES

- Volumes provided by the client listed above were used to calculate analytical results and sensitivities.
- "<" indicates results less than analytical sensitivity. "----" indicates that sample was not analyzed.
- If RJ Lee Group, Inc. did not collect the samples analyzed, the verifiability of the laboratory's results are limited to the reported values.
- Abbreviations: N/A-Not Applicable, O/L-Overloaded, Chry-Chrysotile Asbestos, Amph-Amphibole Asbestos, NAS-Non-Asbestos Structures, f-Asbestos Fibers, F-Total Fibers.
- Samples will be held for 90 days and then disposed of per Federal regulations.
- Sample(s) for this project were analyzed at our Pittsburgh, PA (AIHA LAP, LLC #292885, NVLAP #101208-0, NY ELAP #10884) facility.
- These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which these results are used or interpreted.
- This report relates only to items tested. Reproduction of this document must include all pages in order to be valid.
- "Asbestiform Amphibole" section represents number and concentration of asbestiform amphibole structures included in "Total Structures" count and concentration.

DISCLAIMER

RJ Lee Group, Inc. is accredited by the American Industrial Hygiene Association (AIHA LAP, LLC #292885) and the New York Department of Health Environmental Laboratory Program (NY ELAP) for airborne asbestos analysis. This report may not be used to claim product endorsement by AIHA LAP, LLC, NY ELAP, or any other regulatory or laboratory accrediting agency. Any reproduction of this document must be in full in order for the report to be valid. This report is not valid unless it bears the name of a AIHA LAP, LLC approved signatory.

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limiting provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of ninety (90) days before discarding. A shipping and handling fee will be assessed for the return of any sample.

Request for Environmental and IH Laboratory Analytical Services

ATTENTION TO:						Purchase Order No.:				Client Job No.:																															
Lab Use Only		Project No.:		Client No.:		Date Results Needed				Rush Charges Authorized? <input type="checkbox"/> YES <input type="checkbox"/> NO (check one)																															
Report Results To		Date Logged In:		Logged In By:		Drinking Water Sample Only				Accreditation (please list below):																															
		Name: Kristian Witt				Sample Purpose: Information <input type="checkbox"/> Regulatory <input checked="" type="checkbox"/>																																			
		Company: Compliance Management International				System ID #:																																			
		Address: 1350 Welsh Rd, Suite 200				DOH Source #:																																			
		City, State, Zip: North Wales, PA 19454				Multiple Sources #s:																																			
		Phone: 267-303-9319 Fax:				Sample Purpose: A <input type="checkbox"/> B <input type="checkbox"/> Other <input type="checkbox"/>																																			
		Email Results To: kwitt@complianceplace.com				Chemistry Analysis Key				<table style="font-size: small; border: none;"> <tr> <td>Preservation:</td> <td>Matrix:</td> <td>SW=Surface Water</td> <td>Container:</td> </tr> <tr> <td>Unpres 4°C</td> <td>WW=Wastewater</td> <td>GW=Groundwater</td> <td>P=Plastic</td> </tr> <tr> <td>HNO₃</td> <td>HCl</td> <td>Water</td> <td>G=Glass</td> </tr> <tr> <td>Other NaOH</td> <td>S=Soil/Sludge</td> <td>O=Oil</td> <td>W=Wipe</td> </tr> <tr> <td>Na₂SO₄</td> <td>E=Extract</td> <td>X=Other</td> <td>A=Air (filter or tube)</td> </tr> </table>				Preservation:	Matrix:	SW=Surface Water	Container:	Unpres 4°C	WW=Wastewater	GW=Groundwater	P=Plastic	HNO ₃	HCl	Water	G=Glass	Other NaOH	S=Soil/Sludge	O=Oil	W=Wipe	Na ₂ SO ₄	E=Extract	X=Other	A=Air (filter or tube)								
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Na ₂ SO ₄	E=Extract	X=Other	A=Air (filter or tube)																																						
Invoice To		Name: SAME		If a hard copy of invoice is needed, check here <input type="checkbox"/>		Analysis Requested								Pres. Upon Receipt (Y/N)	Preservation	Matrix	Container Type	pH	No. Containers																						
		Company:		Email:		<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th colspan="8">Analysis Requested</th> <th rowspan="2">Pres. Upon Receipt (Y/N)</th> <th rowspan="2">Preservation</th> <th rowspan="2">Matrix</th> <th rowspan="2">Container Type</th> <th rowspan="2">pH</th> <th rowspan="2">No. Containers</th> </tr> <tr> <td style="width: 12.5%; height: 20px;"></td> <td style="width: 12.5%; height: 20px;"></td> <td style="width: 12.5%; height: 20px;"></td> <td style="width: 12.5%; height: 20px;"></td> <td style="width: 12.5%; height: 20px;"></td> <td style="width: 12.5%; height: 20px;"></td> <td style="width: 12.5%; height: 20px;"></td> <td style="width: 12.5%; height: 20px;"></td> </tr> </table>														Analysis Requested								Pres. Upon Receipt (Y/N)	Preservation	Matrix	Container Type	pH	No. Containers								
Analysis Requested								Pres. Upon Receipt (Y/N)	Preservation	Matrix	Container Type	pH	No. Containers																												
		Address:																																							
		City, State, Zip:																																							
		Phone: Fax:																																							
ATTENTION TO:		Analyze by ISO 1312-2019-10																																							
Client Sample ID		Sample Description		Sample Collection Date (required)	Sample Collection Time	Total Collection Time - min	Wipe Area or Air Volume (specify units)																																		
M3L		M3		08/22/23		528	1056L	X																																	
M4L		M4		08/22/23		532	1064L	X																																	
M5L		M5		08/22/23		524	1048L	X																																	
M6L		M6		08/22/23		538	1056L	X																																	
M2L		M2		08/22/23		506	1012L	X																																	
M2H		M2 - Activity		08/22/23		393	1572L	X																																	
M3H		M3-Activity		08/22/23		364	1456L	X																																	
M4H		M4-Activity		08/22/23		370	1480L	X																																	
M5H		M5-Activity		08/22/23		383	1532L	X																																	
M6H		M6-Activity		08/22/23		399	1596L	X																																	
M1L		M1		08/22/23		484	968L	X																																	
Chain of Custody		Relinquished By (Signature): <i>[Signature]</i>		Date: 8/24/23		Time: 10:00		Chain of Custody				Received By (Signature): <i>[Signature]</i>				Date: 8/29/23		Time: 9:54 AM																							
		Relinquished By (Print Name): Greg Matty		Relinquished To:								Received By (Print Name): <i>[Signature]</i>				Relinquished To:																									
		Company Name: CMI		Method of Shipment: FedEx								Company Name: <i>[Signature]</i>				Method of Shipment:																									
Chain of Custody		Relinquished By (Signature):		Date:		Time:		Chain of Custody				Received By (Signature):				Date:		Time:																							
		Relinquished By (Print Name):		Relinquished To:								Received By (Print Name):				Relinquished To:																									
		Company Name:		Method of Shipment:								Company Name:				Method of Shipment:																									

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Request for Environmental and IH Laboratory Analytical Services

ATTENTION TO:					Purchase Order No.:			Client Job No.:										
Lab Use Only	Project No.:	Client No.:			Date Results Needed	Rush Charges Authorized? (check one) <input type="checkbox"/> YES <input type="checkbox"/> NO												
	Date Logged In:	Logged In By:			Drinking Water Sample Only	Sample Purpose: Information <input type="checkbox"/> Regulatory <input checked="" type="checkbox"/> Accreditation (please list below):												
Report Results To	Name: Kristian Witt				Chemistry Analysis Key	System ID #:												
	Company: Compliance Management International					DOH Source #:												
	Address: 1350 Welsh Rd, Suite 200				Multiple Sources #s:													
	City, State, Zip: North Wales, PA 19454				Sample Purpose: A <input type="checkbox"/> Other <input type="checkbox"/>													
	Phone: 267-303-9319 Fax:				Preservation: Unpres H ₂ SO ₄ 4°C HNO ₃ NaOH Other Na ₂ SO ₄			Matrix: WW=Wastewater GW=Groundwater Water S=Soil/Sludge E=Extract			Container: P=Plastic G=Glass W=Wipe A=Air (filter or tube)							
Invoice To	Name: SAME If a hard copy of invoice is needed, check here				Analysis Requested													
	Company: Email:				Asbestos - TEM								Pres. Upon Receipt (Y/N)	Preservation	Matrix	Container Type	pH	No. Containers
	Address:																	
City, State, Zip:																		
Phone: Fax:																		
ATTENTION TO:	Analyze by ISO 1312-2019-10																	
Client Sample ID	Sample Description	Sample Collection Date (required)	Sample Collection Time	Total Collection Time - min	Wipe Area or Air Volume (specify units)													
M1H	M1-Activity	08/22/23		365	1460L	X												
M7L	M7	08/22/23		484	968L	X												
M7H	M7-Activity	08/22/23		389	1556L	X												
M8L	M8	08/22/23		486	972L	X												
M8H	M8-Activity	08/22/23		378	1512L	X												
B1	Blank	08/22/23		0	0L	X												
B2	Blank	08/22/23		0	0L	X												
Chain of Custody	Relinquished By (Signature): <i>Greg Matty</i> Date: <i>8/24/23</i> Time: <i>1000</i>				Chain of Custody	Received By (Signature): <i>M. Stephens</i> Date: <i>08/30/23</i> Time: <i>9:54 am</i>												
	Relinquished By (Print Name): Greg Matty Relinquished To:					Received By (Print Name): M. Stephens Relinquished To:												
	Company Name: CMI Method of Shipment: FedEx					Company Name: KSLG Method of Shipment:												
Chain of Custody	Relinquished By (Signature):				Chain of Custody	Received By (Signature):												
	Relinquished By (Print Name):					Received By (Print Name):												
	Company Name:					Company Name:												
Date: Time:				Date: Time:														
Relinquished To:				Relinquished To:														
Method of Shipment:				Method of Shipment:														

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 Columbia Basin Analytical Laboratories
 2710 North 20th Avenue
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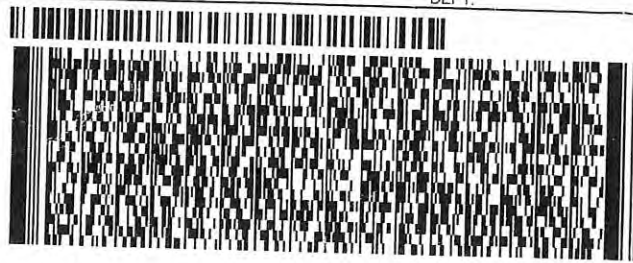
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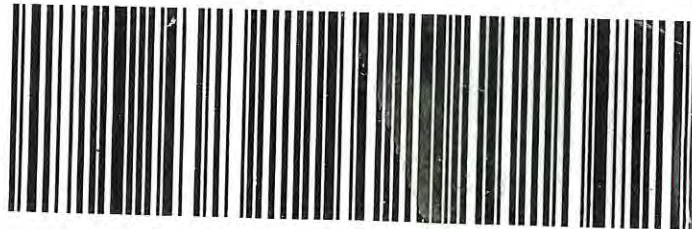
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15146
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Attachment 2
Wind and Precipitation Data
August 19 – August 22, 2023

Heidelberg Materials Northeast LLC - Activity Based Sampling
Data from August 19, 2023 to August 22, 2023 at the Rock Hill Quarry

Date	Outdoor Temperature (°F)	Wind Speed (mph)	Wind Gust (mph)	Wind Direction (°)	Hourly Rain (in/hr)	Daily Rain (in)	Humidity (%)
8/22/2023 23:58	57.4	2.7	4	292	0	0	89
8/22/2023 23:43	57.7	2.5	3.1	292	0	0	89
8/22/2023 23:28	58.1	2.2	3.6	292	0	0	88
8/22/2023 23:13	58.5	2.2	3.1	292	0	0	87
8/22/2023 22:58	58.5	2	3.1	292	0	0	87
8/22/2023 22:43	58.8	2.2	3.1	292	0	0	87
8/22/2023 22:28	59.4	2.7	3.6	292	0	0	86
8/22/2023 22:13	60.1	2.5	3.6	292	0	0	84
8/22/2023 21:58	60.6	2.5	3.4	292	0	0	84
8/22/2023 21:43	61.2	2.2	3.8	292	0	0	84
8/22/2023 21:28	61.9	2.2	3.8	292	0	0	79
8/22/2023 21:13	62.8	2.2	3.4	292	0	0	76
8/22/2023 20:58	64.8	1.8	2.9	292	0	0	69
8/22/2023 20:43	67.3	0	1.3	292	0	0	59
8/22/2023 20:28	68.5	0	0	292	0	0	54
8/22/2023 20:13	69.3	0	0	292	0	0	50
8/22/2023 19:58	70.3	0	0	292	0	0	50
8/22/2023 19:43	72.1	0	0	292	0	0	49
8/22/2023 19:28	74.1	0	0	292	0	0	52
8/22/2023 19:13	75.2	0	1.3	292	0	0	57
8/22/2023 18:58	76.5	0	0	292	0	0	51
8/22/2023 18:43	78.1	0	2	292	0	0	49
8/22/2023 18:28	78.4	0	1.6	292	0	0	47
8/22/2023 18:13	79	0.4	2.9	298	0	0	46
8/22/2023 17:58	79.5	0.4	3.6	339	0	0	46
8/22/2023 17:43	80.1	0.7	2.9	347	0	0	45
8/22/2023 17:28	80.2	0.2	2.7	354	0	0	44
8/22/2023 17:13	80.6	0.9	6.7	324	0	0	43
8/22/2023 16:58	80.4	1.8	7.4	316	0	0	44
8/22/2023 16:43	80.6	1.1	5.6	317	0	0	43
8/22/2023 16:28	80.2	1.8	7.8	347	0	0	43
8/22/2023 16:13	80.2	2.9	10.1	325	0	0	44
8/22/2023 15:58	80.6	1.3	7.6	2	0	0	44
8/22/2023 15:43	79.7	2.9	13	315	0	0	45
8/22/2023 15:28	81.5	2.9	12.8	300	0	0	43
8/22/2023 15:13	79.7	1.6	8.7	283	0	0	44
8/22/2023 14:58	79	2.9	12.5	345	0	0	45

*The green shaded cells represent the approximate time period (6:00am-3:00pm) during which Heidelberg collected low-flow sampling data on August 22, 2023, from eight (8) air monitors located around the Quarry perimeter.

**The blue shaded cells represent the approximate time period (8:45am-3:00pm) during which Heidelberg collected high-flow sampling data during the ABS activity at the Quarry.

Heidelberg Materials Northeast LLC - Activity Based Sampling
Data from August 19, 2023 to August 22, 2023 at the Rock Hill Quarry

8/22/2023 14:43	78.8	4.3	13.2	329	0	0	45
8/22/2023 14:28	79.3	1.6	7.6	337	0	0	45
8/22/2023 14:13	79	2.9	13.4	307	0	0	45
8/22/2023 13:58	79.7	1.8	10.3	322	0	0	45
8/22/2023 13:43	78.3	2	8.5	299	0	0	47
8/22/2023 13:28	76.6	5.1	15.4	309	0	0	49
8/22/2023 13:13	77	1.8	10.3	314	0	0	51
8/22/2023 12:58	76.6	4.3	15.9	317	0	0	52
8/22/2023 12:43	76.1	0.9	5.4	34	0	0	52
8/22/2023 12:28	75	4	11.9	302	0	0	53
8/22/2023 12:13	74.5	3.8	12.8	322	0	0	55
8/22/2023 11:58	73.8	4.3	17.4	316	0	0	56
8/22/2023 11:43	74.3	4.7	12.5	311	0	0	55
8/22/2023 11:28	74.1	2.9	10.7	316	0	0	55
8/22/2023 11:13	73.8	1.8	8.3	345	0	0	58
8/22/2023 10:58	73.6	1.3	9.8	326	0	0	57
8/22/2023 10:43	73	1.8	12.8	332	0	0	58
8/22/2023 10:28	72.3	1.1	7.4	1	0	0	60
8/22/2023 10:13	70.2	2.7	8.1	311	0	0	64
8/22/2023 9:58	70	4.9	11.9	305	0	0	66
8/22/2023 9:43	70.5	1.8	7.4	298	0	0	65
8/22/2023 9:28	69.1	1.8	7.6	296	0	0	69
8/22/2023 9:13	68.2	1.6	5.8	327	0	0	71
8/22/2023 8:58	66.7	2.5	7.6	301	0	0	73
8/22/2023 8:43	67.1	2.2	6.3	292	0	0	73
8/22/2023 8:28	66.4	1.6	6.3	319	0	0	73
8/22/2023 8:13	66.4	2	5.6	317	0	0	72
8/22/2023 7:58	66	1.3	4.5	327	0	0	72
8/22/2023 7:43	65.8	2	6.5	307	0	0	71
8/22/2023 7:28	65.8	1.3	6	299	0	0	70
8/22/2023 7:13	65.8	2.7	6.7	305	0	0	68
8/22/2023 6:58	66.2	3.8	8.3	302	0	0	67
8/22/2023 6:43	66.4	4.3	9.4	304	0	0	67
8/22/2023 6:28	66.4	3.4	6.9	305	0	0	69
8/22/2023 6:13	66.6	2.2	7.8	305	0	0	70
8/22/2023 5:58	66.9	1.1	10.7	309	0	0	71
8/22/2023 5:43	67.3	5.4	11.9	311	0	0	70
8/22/2023 5:28	67.5	6.7	12.8	310	0	0	70
8/22/2023 5:13	67.6	6.7	16.1	309	0	0	73
8/22/2023 4:58	68	4.9	10.1	303	0	0	76

Heidelberg Materials Northeast LLC - Activity Based Sampling
Data from August 19, 2023 to August 22, 2023 at the Rock Hill Quarry

8/22/2023 4:43	68.4	5.1	10.3	305	0	0	76
8/22/2023 4:28	68.7	5.6	12.8	306	0	0	76
8/22/2023 4:13	69.1	5.1	10.3	306	0	0	78
8/22/2023 3:58	69.4	4.9	13	305	0	0	79
8/22/2023 3:43	69.4	1.3	4	318	0	0	78
8/22/2023 3:28	69.8	1.1	6.5	296	0	0	77
8/22/2023 3:13	70.2	2	7.6	306	0	0	77
8/22/2023 2:58	70.7	3.1	6.7	304	0	0	75
8/22/2023 2:43	71.4	4.3	9.2	309	0	0	74
8/22/2023 2:28	71.4	3.8	11.4	303	0	0	78
8/22/2023 2:13	71.1	3.4	6.9	303	0	0	82
8/22/2023 1:58	71.6	1.3	3.6	300	0	0	81
8/22/2023 1:43	72.3	0.9	2.7	300	0	0	80
8/22/2023 1:28	72.7	1.6	4.9	300	0	0	79
8/22/2023 1:13	73	2.2	5.1	300	0	0	79
8/22/2023 0:58	73.4	1.8	4.3	300	0	0	78
8/22/2023 0:43	73.4	2.7	7.4	303	0	0	78
8/22/2023 0:28	73.4	1.6	5.8	302	0	0	81
8/22/2023 0:13	73.6	1.1	2.9	295	0	0	80
8/21/2023 23:58	73.9	1.1	2.9	295	0	0	80
8/21/2023 23:43	74.3	0.4	3.8	295	0	0	79
8/21/2023 23:28	74.7	0.4	3.6	295	0	0	80
8/21/2023 23:13	73.9	0.7	2.5	295	0	0	84
8/21/2023 22:58	73.2	0.7	2.9	295	0	0	88
8/21/2023 22:43	73	2.7	6	294	0	0	89
8/21/2023 22:28	73	0.2	1.8	294	0	0	89
8/21/2023 22:13	73	0.7	2.2	294	0	0	90
8/21/2023 21:58	73.4	0.2	1.6	294	0	0	89
8/21/2023 21:43	73	0	1.8	294	0	0	89
8/21/2023 21:28	72.9	0.7	2.9	294	0	0	90
8/21/2023 21:13	72.9	0	0	294	0	0	89
8/21/2023 20:58	73	0.4	2	294	0	0	88
8/21/2023 20:43	73.4	0	0	294	0	0	88
8/21/2023 20:28	73.9	0	0	294	0	0	87
8/21/2023 20:13	75	0	0	294	0	0	85
8/21/2023 19:58	76.1	0	0	294	0	0	84
8/21/2023 19:43	77.7	0	0	294	0	0	82
8/21/2023 19:28	79.3	0	0	294	0	0	79
8/21/2023 19:13	81.1	0	0	294	0	0	76
8/21/2023 18:58	82.6	0	1.1	294	0	0	72

Heidelberg Materials Northeast LLC - Activity Based Sampling
Data from August 19, 2023 to August 22, 2023 at the Rock Hill Quarry

8/21/2023 18:43	83.7	0	1.6	294	0	0	70
8/21/2023 18:28	84.7	1.1	4	294	0	0	66
8/21/2023 18:13	86.2	2.2	4.7	294	0	0	61
8/21/2023 17:58	86.9	1.3	4.7	294	0	0	59
8/21/2023 17:43	86.5	2.9	8.5	293	0	0	58
8/21/2023 17:28	86	2.5	7.2	309	0	0	60
8/21/2023 17:13	86.4	3.8	9.6	301	0	0	60
8/21/2023 16:58	85.8	4	11.2	306	0	0	61
8/21/2023 16:43	85.1	4	11.6	305	0	0	64
8/21/2023 16:28	86	5.1	11.6	301	0	0	64
8/21/2023 16:13	86.9	4.9	13	301	0	0	63
8/21/2023 15:58	85.8	4.5	9.4	299	0	0	64
8/21/2023 15:43	86.7	3.1	9.2	286	0	0	63
8/21/2023 15:28	85.5	3.4	8.5	296	0	0	65
8/21/2023 15:13	83.7	3.4	7.6	307	0	0	68
8/21/2023 14:58	82.6	5.4	10.7	307	0	0	68
8/21/2023 14:43	83.3	6.7	12.5	309	0	0	66
8/21/2023 14:28	84.6	6.5	12.8	306	0	0	64
8/21/2023 14:13	84.9	4.3	8.7	302	0	0	63
8/21/2023 13:58	84.6	3.8	10.5	315	0	0	62
8/21/2023 13:43	84.4	3.6	9.6	284	0	0	61
8/21/2023 13:28	86.7	2.7	8.3	305	0	0	57
8/21/2023 13:13	85.3	1.1	5.1	307	0	0	59
8/21/2023 12:58	82.6	3.4	7.4	305	0	0	63
8/21/2023 12:43	81.1	1.8	7.8	312	0	0	66
8/21/2023 12:28	79.2	5.8	11.2	303	0	0	69
8/21/2023 12:13	79.2	5.8	9.6	307	0	0	68
8/21/2023 11:58	79.5	5.1	8.7	311	0	0	69
8/21/2023 11:43	80.8	0.2	3.1	310	0	0	66
8/21/2023 11:28	80.8	0.4	2.5	310	0	0	67
8/21/2023 11:13	79.3	4.9	11	307	0	0	67
8/21/2023 10:58	79.9	6	10.3	310	0	0	65
8/21/2023 10:43	79.9	6.7	11	305	0	0	65
8/21/2023 10:28	79.3	6.9	14.1	303	0	0	67
8/21/2023 10:13	78.3	6.9	12.3	311	0	0	69
8/21/2023 9:58	77	5.6	10.5	310	0	0	72
8/21/2023 9:43	75.2	4.7	8.9	315	0	0	76
8/21/2023 9:28	73.6	3.1	6	321	0	0	80
8/21/2023 9:13	73	3.6	6	321	0	0	81
8/21/2023 8:58	72.9	4.7	8.3	322	0	0	81

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8/21/2023 8:43	72	3.6	5.8	323	0	0	82
8/21/2023 8:28	70.5	3.4	6	323	0	0	84
8/21/2023 8:13	69.1	2.9	5.1	320	0	0	88
8/21/2023 7:58	67.5	0	2.5	169	0	0	91
8/21/2023 7:43	66.6	0	0	169	0	0	93
8/21/2023 7:28	65.8	0	0	169	0	0	94
8/21/2023 7:13	65.3	0	0	169	0	0	95
8/21/2023 6:58	64.8	0	0	169	0	0	96
8/21/2023 6:43	64.6	0	0	169	0	0	96
8/21/2023 6:28	64.8	0	0	169	0	0	95
8/21/2023 6:13	64.8	0	0	169	0	0	95
8/21/2023 5:58	64.8	0	0	169	0	0	95
8/21/2023 5:43	64.4	0	0	169	0	0	95
8/21/2023 5:28	64.4	0	0	169	0	0	95
8/21/2023 5:13	64.6	0	0	169	0	0	95
8/21/2023 4:58	64.6	0	0	169	0	0	94
8/21/2023 4:43	64.8	0	0	169	0	0	94
8/21/2023 4:28	65.1	0	0	169	0	0	93
8/21/2023 4:13	66	0	0	169	0	0	92
8/21/2023 3:58	66.2	0	1.6	169	0	0	92
8/21/2023 3:43	66	0	1.6	169	0	0	93
8/21/2023 3:28	66	0	0	169	0	0	93
8/21/2023 3:13	66.6	0	0	169	0	0	92
8/21/2023 2:58	67.3	0	0	169	0	0	90
8/21/2023 2:43	67.1	0	2.2	169	0	0	90
8/21/2023 2:28	66	0.4	2.7	169	0	0	93
8/21/2023 2:13	65.7	0.2	2.2	169	0	0	93
8/21/2023 1:58	65.7	0	0	169	0	0	92
8/21/2023 1:43	66.2	0	0	169	0	0	92
8/21/2023 1:28	66.7	0	0	169	0	0	90
8/21/2023 1:13	68.9	0	0	169	0	0	87
8/21/2023 0:58	68.2	0	1.6	169	0	0	88
8/21/2023 0:43	67.8	0	0	169	0	0	89
8/21/2023 0:28	69.1	0	0	169	0	0	86
8/21/2023 0:13	68.2	0	0	169	0	0	87
8/20/2023 23:58	67.3	0	1.3	169	0	0	90
8/20/2023 23:43	67.6	0	0	169	0	0	89
8/20/2023 23:28	68.5	0	0	169	0	0	87
8/20/2023 23:13	69.3	0	0	169	0	0	85
8/20/2023 22:58	70.2	0	1.6	169	0	0	82

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8/20/2023 22:43	69.3	0	2	235	0	0	84
8/20/2023 22:28	68.4	0	1.3	237	0	0	87
8/20/2023 22:13	69.3	0	1.1	237	0	0	86
8/20/2023 21:58	71.4	0	0	237	0	0	78
8/20/2023 21:43	70.5	0	0.9	237	0	0	81
8/20/2023 21:28	71.1	0	0	237	0	0	79
8/20/2023 21:13	71.4	0	2	237	0	0	77
8/20/2023 20:58	70	0	0	237	0	0	82
8/20/2023 20:43	71.1	0	1.3	237	0	0	82
8/20/2023 20:28	74.3	0	1.8	237	0	0	71
8/20/2023 20:13	74.3	0	0	237	0	0	71
8/20/2023 19:58	75	0	0	237	0	0	70
8/20/2023 19:43	75	0	0	237	0	0	75
8/20/2023 19:28	76.8	0	2	237	0	0	71
8/20/2023 19:13	78.4	0	1.1	237	0	0	69
8/20/2023 18:58	80.2	0	1.8	237	0	0	66
8/20/2023 18:43	81.5	0.4	2.7	237	0	0	59
8/20/2023 18:28	82	1.1	4.3	237	0	0	56
8/20/2023 18:13	82.4	1.8	4.5	292	0	0	54
8/20/2023 17:58	82.8	1.8	5.4	283	0	0	53
8/20/2023 17:43	82.2	1.3	4.3	291	0	0	54
8/20/2023 17:28	80.6	2	5.1	291	0	0	55
8/20/2023 17:13	81.9	3.4	8.5	284	0	0	52
8/20/2023 16:58	83.1	4.7	10.1	292	0	0	50
8/20/2023 16:43	82.8	4.5	11.4	284	0	0	51
8/20/2023 16:28	82.8	5.1	11.2	286	0	0	51
8/20/2023 16:13	82.6	4.5	9.2	277	0	0	51
8/20/2023 15:58	83.3	4.5	9.8	282	0	0	51
8/20/2023 15:43	83.3	3.8	9.8	280	0	0	49
8/20/2023 15:28	82.9	4.9	12.3	290	0	0	49
8/20/2023 15:13	83.1	4.5	11	274	0	0	47
8/20/2023 14:58	83.1	4.9	14.3	286	0	0	47
8/20/2023 14:43	84	3.8	11	243	0	0	45
8/20/2023 14:28	82.6	3.8	11.4	263	0	0	48
8/20/2023 14:13	81.7	5.8	11.4	282	0	0	51
8/20/2023 13:58	82	4.5	13.2	306	0	0	49
8/20/2023 13:43	82.6	4.7	11.2	268	0	0	49
8/20/2023 13:28	81.7	3.1	8.7	235	0	0	51
8/20/2023 13:13	81	4.5	12.3	207	0	0	52
8/20/2023 12:58	80.4	3.6	9.8	262	0	0	51

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8/20/2023 12:43	80.4	5.1	10.5	284	0	0	51
8/20/2023 12:28	81	2.9	9.4	313	0	0	51
8/20/2023 12:13	81.1	2.9	10.5	293	0	0	52
8/20/2023 11:58	79.3	2.9	8.3	290	0	0	53
8/20/2023 11:43	79.9	2.7	11	2	0	0	52
8/20/2023 11:28	77.9	4	8.3	287	0	0	55
8/20/2023 11:13	78.1	3.4	9.6	262	0	0	56
8/20/2023 10:58	76.6	4.9	9.8	295	0	0	58
8/20/2023 10:43	77	3.4	7.8	315	0	0	60
8/20/2023 10:28	75.4	2.7	8.1	312	0	0	64
8/20/2023 10:13	73.8	4.3	7.8	303	0	0	66
8/20/2023 9:58	73.6	4	8.7	301	0	0	67
8/20/2023 9:43	73	0.7	3.6	325	0	0	67
8/20/2023 9:28	70.7	1.8	5.1	325	0	0	71
8/20/2023 9:13	69.1	2.9	5.6	325	0	0	74
8/20/2023 8:58	68	2	5.6	10	0	0	75
8/20/2023 8:43	66.6	2	4	14	0	0	78
8/20/2023 8:28	64.9	2	4.3	14	0	0	81
8/20/2023 8:13	63.7	1.6	4	14	0	0	83
8/20/2023 7:58	60.3	1.3	3.4	14	0	0	91
8/20/2023 7:43	58.6	0	0	14	0	0	92
8/20/2023 7:28	57.7	0	0	14	0	0	93
8/20/2023 7:13	56.7	0	0	14	0	0	94
8/20/2023 6:58	56.3	0	1.6	14	0	0	95
8/20/2023 6:43	55.9	0.4	1.8	14	0	0	95
8/20/2023 6:28	56.3	0	1.8	14	0	0	94
8/20/2023 6:13	56.1	0.4	2.2	14	0	0	94
8/20/2023 5:58	55.9	1.6	2.5	14	0	0	94
8/20/2023 5:43	56.5	1.8	2.9	14	0	0	93
8/20/2023 5:28	57	1.6	2.9	14	0	0	93
8/20/2023 5:13	57.4	0.7	2.9	14	0	0	92
8/20/2023 4:58	57.4	1.6	2.7	14	0	0	91
8/20/2023 4:43	58.3	1.6	3.6	14	0	0	91
8/20/2023 4:28	58.5	1.1	2.2	14	0	0	90
8/20/2023 4:13	59.2	1.3	4	14	0	0	89
8/20/2023 3:58	58.6	1.1	2.5	14	0	0	90
8/20/2023 3:43	59.2	0.9	3.1	14	0	0	89
8/20/2023 3:28	58.8	0.7	2.5	14	0	0	90
8/20/2023 3:13	58.3	0.4	2.2	14	0	0	92
8/20/2023 2:58	58.8	0.2	2	14	0	0	92

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8/20/2023 2:43	59.2	0	0	14	0	0	91
8/20/2023 2:28	60.1	0	2	14	0	0	89
8/20/2023 2:13	59.9	0.4	3.4	14	0	0	90
8/20/2023 1:58	59.4	0	1.3	14	0	0	91
8/20/2023 1:43	59.7	0	1.8	14	0	0	90
8/20/2023 1:28	60.3	0	1.6	14	0	0	88
8/20/2023 1:13	59.9	0	1.6	14	0	0	89
8/20/2023 0:58	60.1	0	0	14	0	0	89
8/20/2023 0:43	60.3	0	0	14	0	0	89
8/20/2023 0:28	60.6	0	1.3	14	0	0	89
8/20/2023 0:13	60.6	0	1.6	14	0	0	89
8/19/2023 23:58	61	0	1.6	14	0	0	88
8/19/2023 23:43	61.2	0	0	14	0	0	86
8/19/2023 23:28	61.9	0.2	2.7	14	0	0	85
8/19/2023 23:13	62.1	0	1.3	14	0	0	84
8/19/2023 22:58	62.8	0.2	2	14	0	0	83
8/19/2023 22:43	63.3	0.2	2.2	14	0	0	81
8/19/2023 22:28	65.1	0.7	3.6	14	0	0	74
8/19/2023 22:13	66	1.1	3.1	14	0	0	70
8/19/2023 21:58	67.1	1.8	4.5	14	0	0	66
8/19/2023 21:43	68.5	3.1	6.7	327	0	0	63
8/19/2023 21:28	67.6	1.6	6.7	317	0	0	66
8/19/2023 21:13	67.6	0.9	3.8	317	0	0	67
8/19/2023 20:58	67.6	0.4	4.3	317	0	0	66
8/19/2023 20:43	67.1	0	2.2	317	0	0	70
8/19/2023 20:28	66.6	0.2	3.1	317	0	0	70
8/19/2023 20:13	66	0	0	317	0	0	75
8/19/2023 19:58	66.7	0	0	317	0	0	76
8/19/2023 19:43	69.4	0	0	317	0	0	70
8/19/2023 19:28	71.8	0	2.7	317	0	0	64
8/19/2023 19:13	74.1	1.8	5.4	293	0	0	55
8/19/2023 18:58	75	1.8	4.3	310	0	0	53
8/19/2023 18:43	75.2	4.5	9.6	299	0	0	50
8/19/2023 18:28	75.7	4	11.2	304	0	0	50
8/19/2023 18:13	75.7	6.7	14.3	304	0	0	49
8/19/2023 17:58	75.7	5.6	11.6	291	0	0	49
8/19/2023 17:43	75.9	7.4	14.8	298	0	0	48
8/19/2023 17:28	76.5	7.6	17.9	302	0	0	48
8/19/2023 17:13	76.1	7.2	15.9	300	0	0	47
8/19/2023 16:58	76.1	7.8	17.7	289	0	0	47

Heidelberg Materials Northeast LLC - Activity Based Sampling
Data from August 19, 2023 to August 22, 2023 at the Rock Hill Quarry

8/19/2023 16:43	76.6	8.5	17.4	300	0	0	46
8/19/2023 16:28	75.9	8.9	18.3	303	0	0	47
8/19/2023 16:13	76.8	7.6	16.8	293	0	0	46
8/19/2023 15:58	76.5	7.4	13.9	301	0	0	46
8/19/2023 15:43	75.7	9.2	18.6	300	0	0	47
8/19/2023 15:28	75.2	9.6	20.1	303	0	0	47
8/19/2023 15:13	75.6	9.8	22.4	301	0	0	48
8/19/2023 14:58	75.4	8.1	17.2	303	0	0	48
8/19/2023 14:43	75	9.6	19.9	302	0	0	48
8/19/2023 14:28	74.7	10.1	18.3	301	0	0	48
8/19/2023 14:13	74.7	9.2	19.5	301	0	0	48
8/19/2023 13:58	73.8	8.7	20.1	307	0	0	49
8/19/2023 13:43	73.4	10.3	21.5	304	0	0	49
8/19/2023 13:28	73.2	9.2	20.6	304	0	0	49
8/19/2023 13:13	72.9	10.5	21.7	305	0	0	50
8/19/2023 12:58	72.7	10.1	23.9	303	0	0	51
8/19/2023 12:43	72.9	8.7	16.8	299	0	0	51
8/19/2023 12:28	72.5	9.6	21.3	305	0	0	51
8/19/2023 12:13	70.9	10.3	17.7	308	0	0	54
8/19/2023 11:58	71.2	7.6	15.9	302	0	0	55
8/19/2023 11:43	70.5	7.4	13.9	290	0	0	56
8/19/2023 11:28	70	8.7	17	298	0	0	58
8/19/2023 11:13	69.4	8.1	15.4	300	0	0	59
8/19/2023 10:58	68.5	9.6	20.4	305	0	0	60
8/19/2023 10:43	68.2	9.2	17.2	301	0	0	62
8/19/2023 10:28	67.3	9.8	19.7	309	0	0	63
8/19/2023 10:13	66.7	10.5	20.1	304	0	0	64
8/19/2023 9:58	66.4	7.8	15.4	293	0	0	66
8/19/2023 9:43	65.5	8.5	18.6	301	0	0	67
8/19/2023 9:28	64.6	11.4	21.9	305	0	0	68
8/19/2023 9:13	64.2	11.2	21.3	304	0	0	68
8/19/2023 8:58	63.7	11	20.1	305	0	0	70
8/19/2023 8:43	62.8	9.6	20.8	301	0	0	72
8/19/2023 8:28	61.7	8.3	15.4	303	0	0	75
8/19/2023 8:13	60.6	6.5	11.9	304	0	0	76
8/19/2023 7:58	60.1	6.9	13.4	304	0	0	76
8/19/2023 7:43	59.7	8.1	13.6	309	0	0	77
8/19/2023 7:28	58.6	7.2	14.8	311	0	0	79
8/19/2023 7:13	57.6	4	8.9	320	0	0	81
8/19/2023 6:58	57.7	3.6	7.2	313	0	0	80

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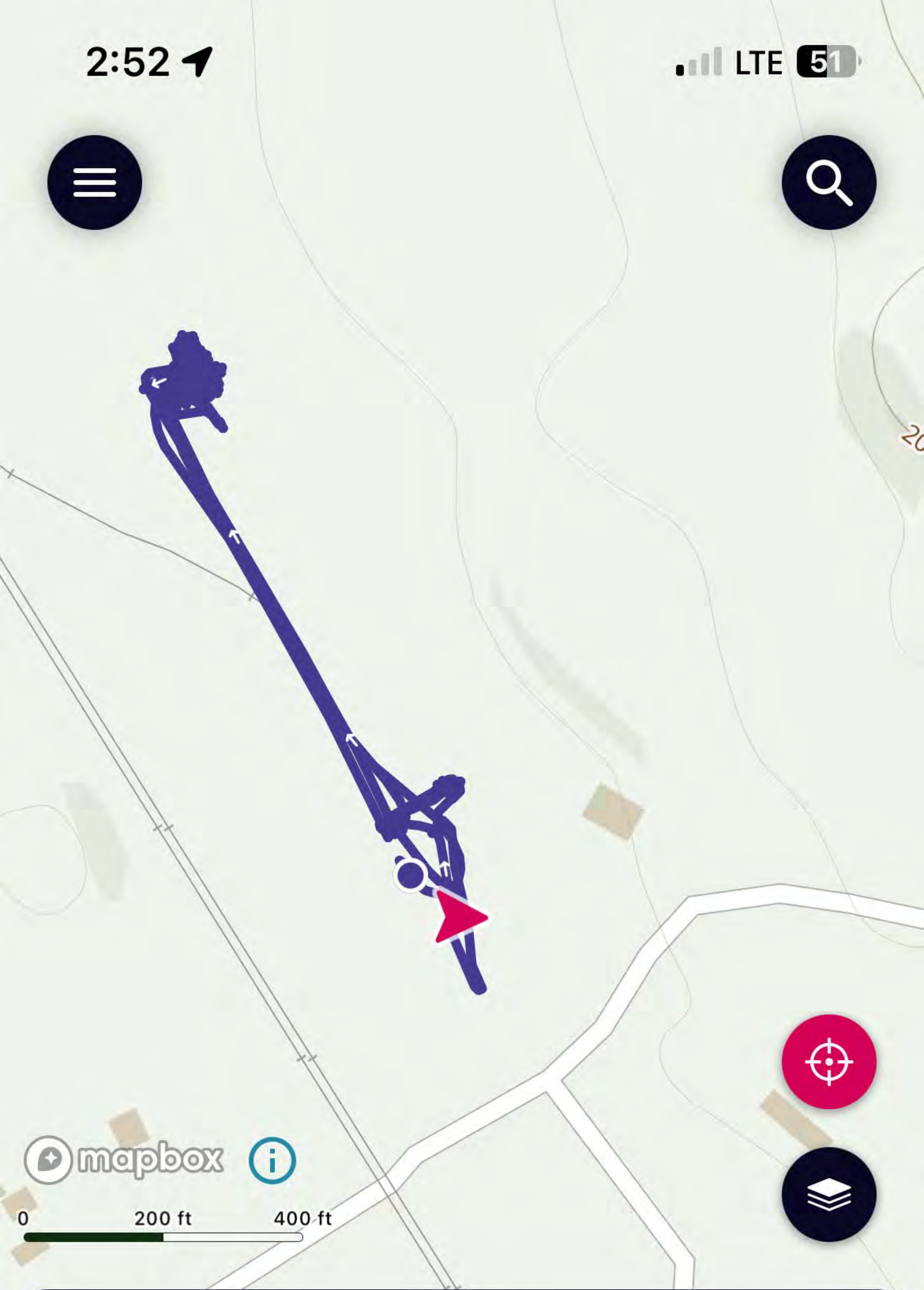
8/19/2023 6:43	57.9	4	7.8	312	0	0	79
8/19/2023 6:28	57.7	2.5	6.3	321	0	0	79
8/19/2023 6:13	58.1	3.4	8.9	312	0	0	78
8/19/2023 5:58	58.5	4	10.7	325	0	0	77
8/19/2023 5:43	58.8	5.1	8.9	314	0	0	76
8/19/2023 5:28	59.2	4.7	9.4	316	0	0	76
8/19/2023 5:13	58.8	4	8.9	316	0	0	76
8/19/2023 4:58	58.6	2.9	7.6	308	0	0	77
8/19/2023 4:43	58.6	1.3	5.4	301	0	0	77
8/19/2023 4:28	58.1	1.6	4.5	344	0	0	79
8/19/2023 4:13	57.6	2.7	5.1	310	0	0	81
8/19/2023 3:58	57.6	2.7	4.7	310	0	0	82
8/19/2023 3:43	58.5	3.6	7.2	310	0	0	78
8/19/2023 3:28	57.7	2.2	6.9	338	0	0	82
8/19/2023 3:13	59.5	3.1	6.5	326	0	0	75
8/19/2023 2:58	59.9	3.6	6.7	313	0	0	73
8/19/2023 2:43	60.1	3.8	6.5	316	0	0	73
8/19/2023 2:28	60.3	3.8	8.5	303	0	0	73
8/19/2023 2:13	60.8	6	9.8	309	0	0	71
8/19/2023 1:58	61	5.8	9.4	314	0	0	71
8/19/2023 1:43	59	2.5	8.5	319	0	0	79
8/19/2023 1:28	58.3	2.5	6.7	316	0	0	82
8/19/2023 1:13	57.7	1.8	3.6	312	0	0	87
8/19/2023 0:58	58.1	0.4	2.5	312	0	0	85
8/19/2023 0:43	59.2	0.9	2.5	312	0	0	84
8/19/2023 0:28	60.8	1.1	6.3	312	0	0	77
8/19/2023 0:13	60.6	2	5.8	324	0	0	79

Attachment 3
Vehicle Geotracking



2:52

LTE 51



Distance

5.13 mi

Time

06:06:04

Current Elevation

542 ft

Average Speed

0.9 mph

▶ Resume

🚩 Finish

2:53

5G 50



mapbox

0 400 ft 800 ft

Distance

Time

5.13 mi

06:06:04



Save Activity

Aug 22, 2023, 8:45 AM–2:51 PM

Tuesday Morning Walk / Hike



Walk / Hike



Distance

5.13 mi

Total Duration

06:06:04

Moving Time

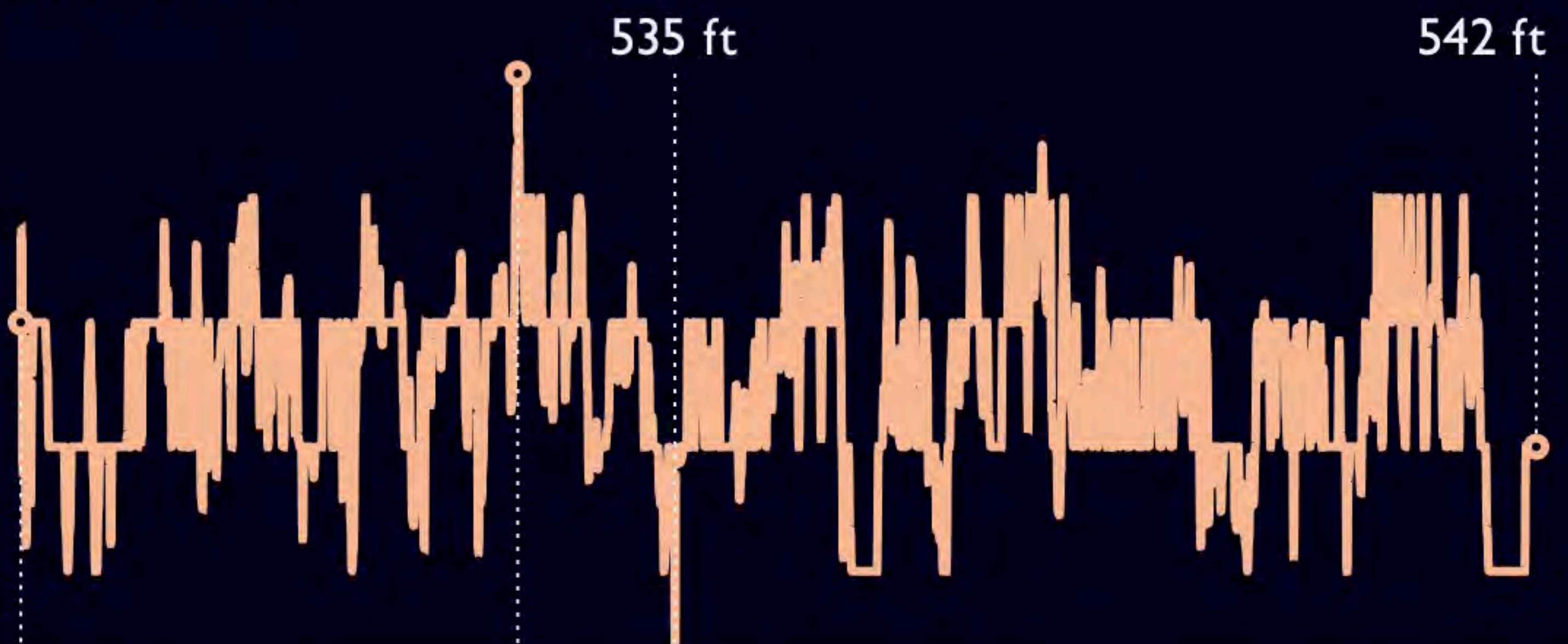
06:06:04

Avg. Speed

0.9 mph

 Add Notes

Elevation



Save



United Rentals
800-UR-RENTS

11471373

New Jersey
XMA • G86
COMMERCIAL

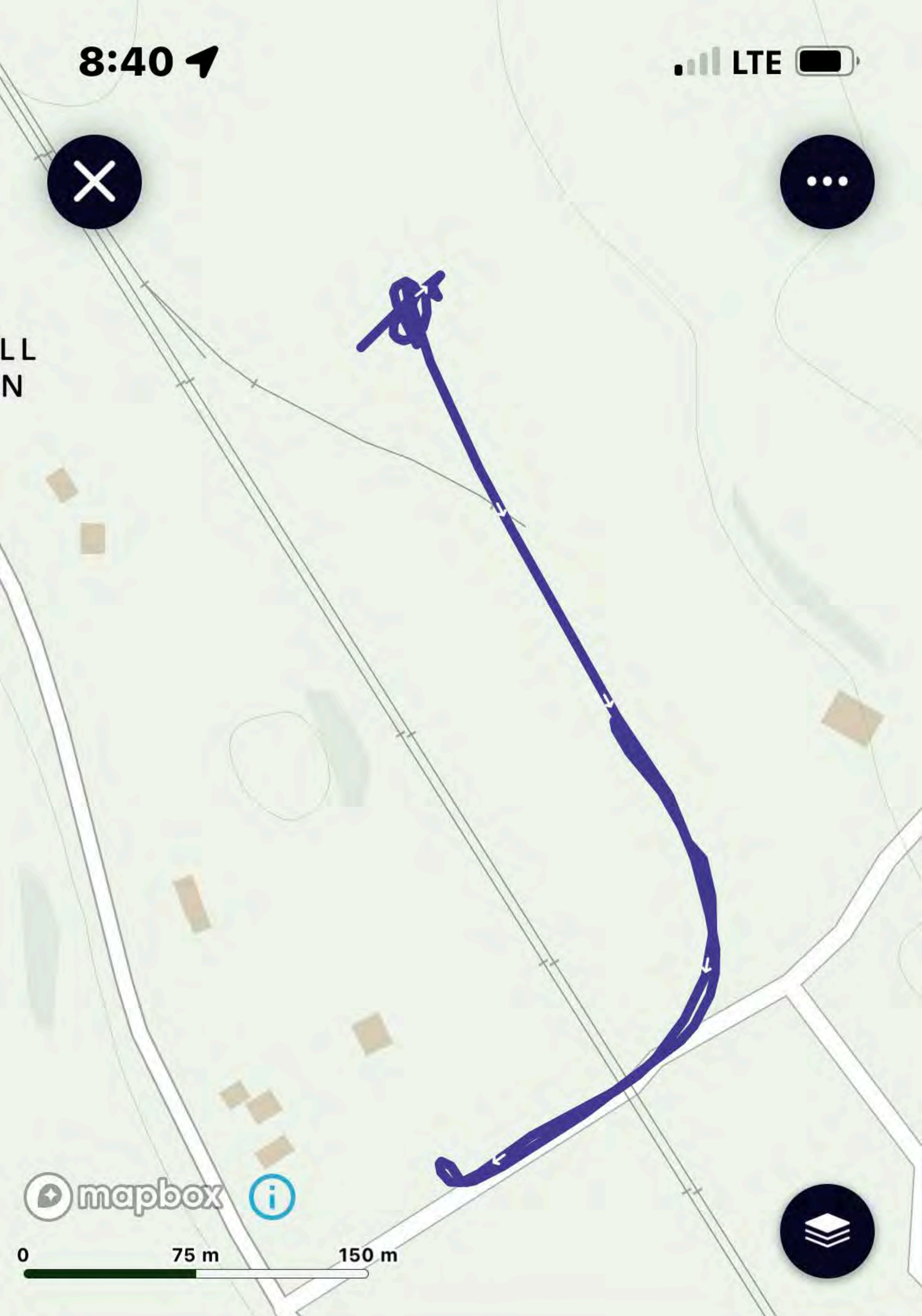
UnitedRentals.com

8:40 ↗

LTE



LL
N



mapbox

0 75 m 150 m



Aug 22, 2023, 8:33–8:39 AM

2023-08-22 Water Truck - Run 1



Distance

1047 yd

Total Duration

05:38

Moving Time

05:38

Avg. Speed

6.4 mph

Total Ascent >

42 ft



Aug 22, 2023, 8:33–8:39 AM

2023-08-22 Water Truck - Run 1



Distance

1047 yd

Total Duration

05:38

Moving Time

05:38

Avg. Speed

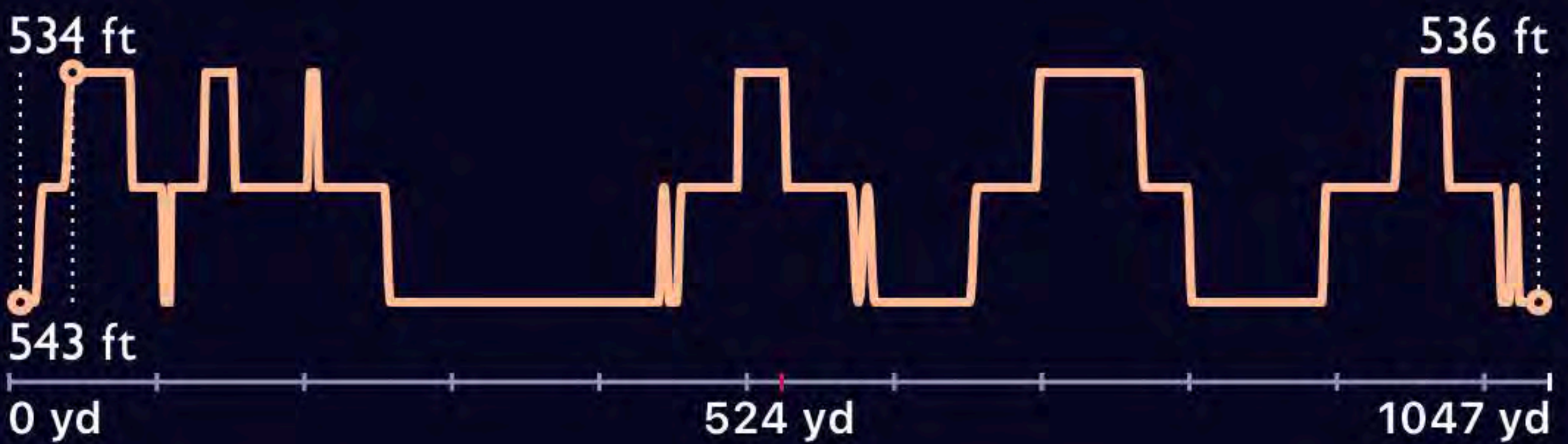
6.4 mph

Total Ascent >

42 ft

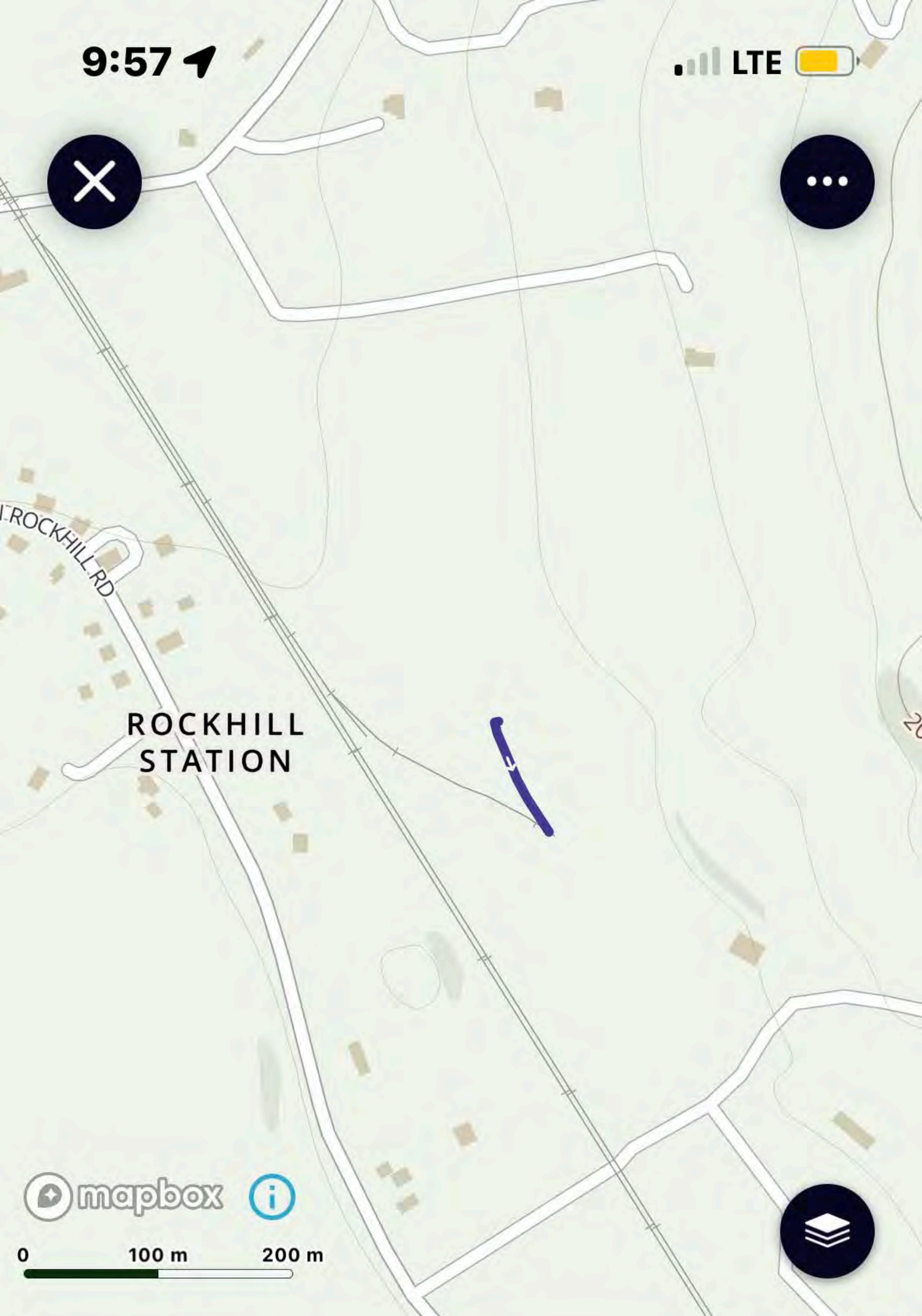
Add Notes

Elevation



9:57

LTE



ROCKHILL STATION

ROCKHILL RD

mapbox



0 100 m 200 m



Aug 22, 2023, 9:55–9:56 AM

Water Truck pass 2 (now empty)



Distance

103 yd

Total Duration

00:43

Moving Time

00:43

Avg. Speed

4.9 mph

Total Ascent >



Aug 22, 2023, 9:55–9:56 AM

Water Truck pass 2 (now empty)



Distance

103 yd

Total Duration

00:43

Moving Time

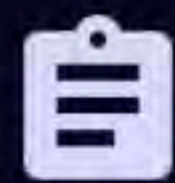
00:43

Avg. Speed

4.9 mph

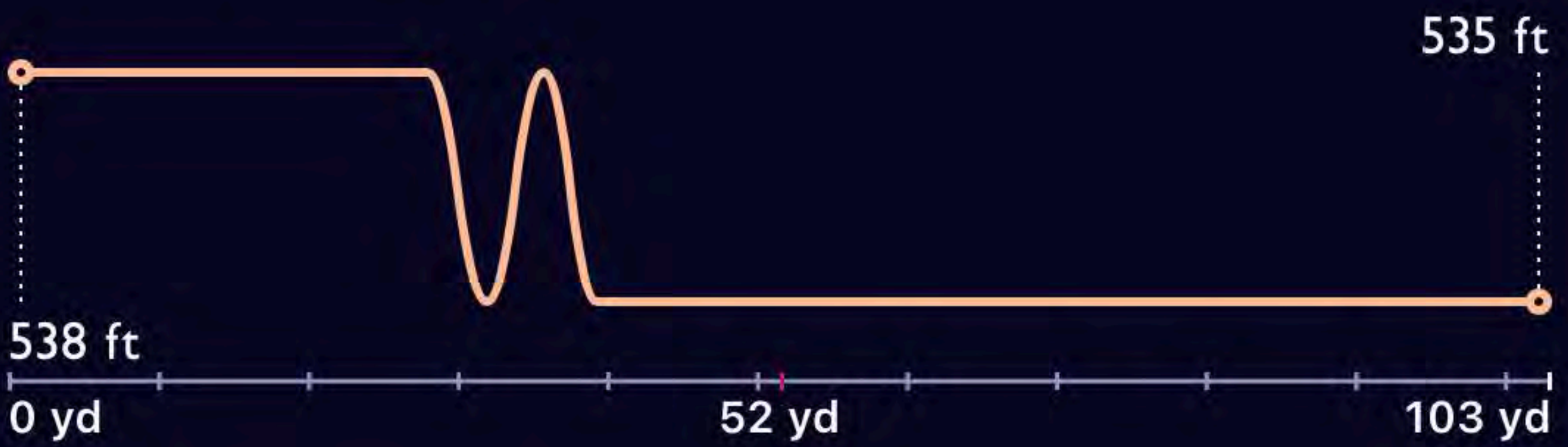
Total Ascent >

0 ft



Add Notes

Elevation





ROCKHILL STATION

N. ROCKHILL RD



0 100 m 200 m



Aug 22, 2023, 10:16–10:18 AM

Water truck pass 3



Distance

525 yd

Total Duration

02:24

Moving Time

02:24

Avg. Speed

7.5 mph

Total Ascent >

18 ft



Aug 22, 2023, 10:16–10:18 AM

Water truck pass 3



Distance

525 yd

Total Duration

02:24

Moving Time

02:24

Avg. Speed

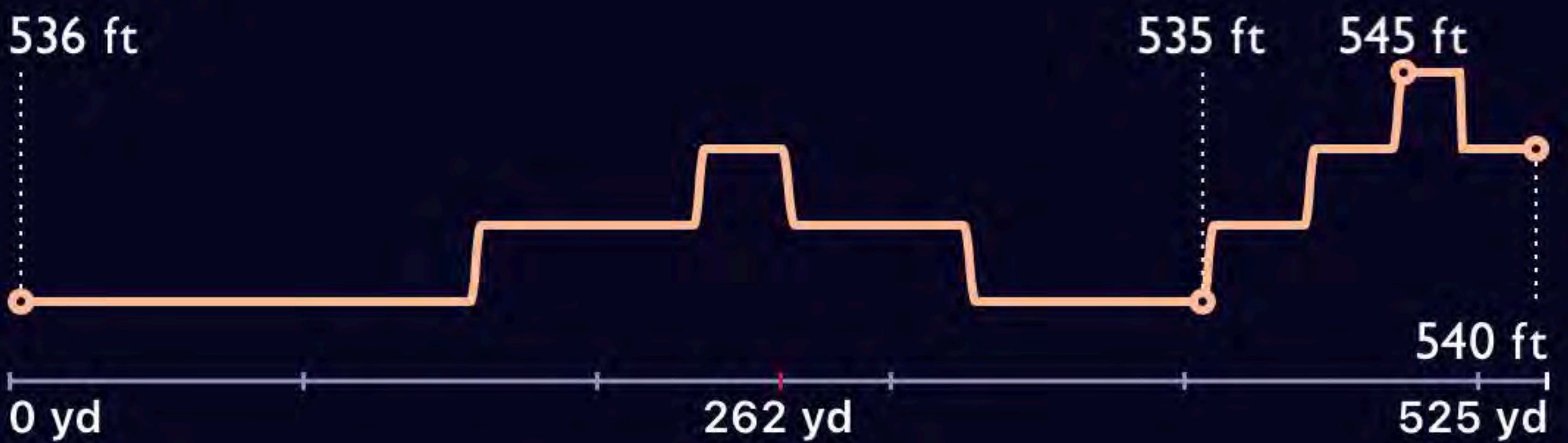
7.5 mph

Total Ascent >

18 ft

Add Notes

Elevation

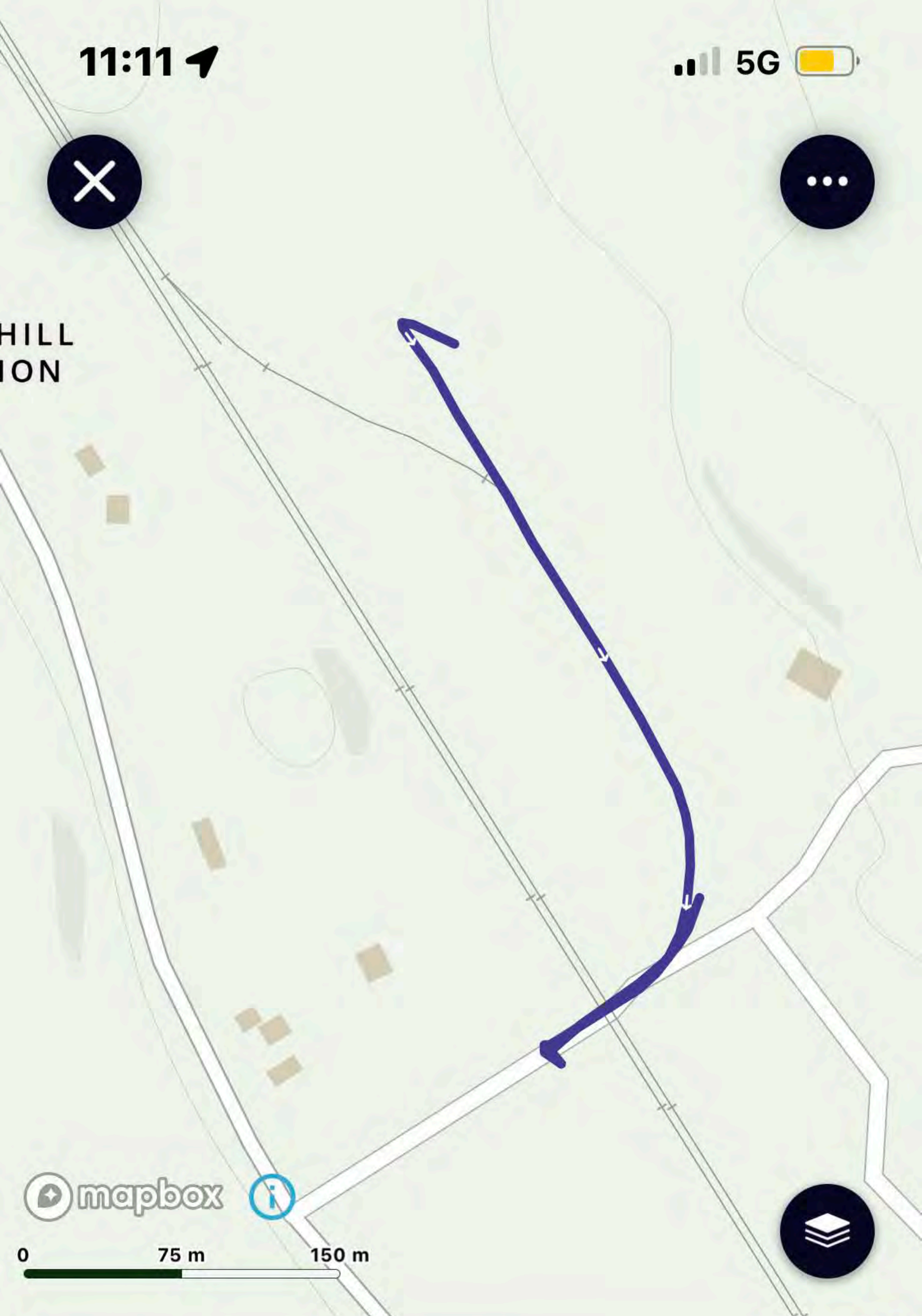


11:11

5G



HILL
ION



mapbox



0 75 m 150 m

Aug 22, 2023, 11:08–11:11 AM

Water truck pass 4



Distance

617 yd

Total Duration

02:58

Moving Time

02:58

Avg. Speed

7.1 mph

Total Ascent >

15 ft



Aug 22, 2023, 11:08–11:11 AM

Water truck pass 4



Distance

617 yd

Total Duration

02:58

Moving Time

02:58

Avg. Speed

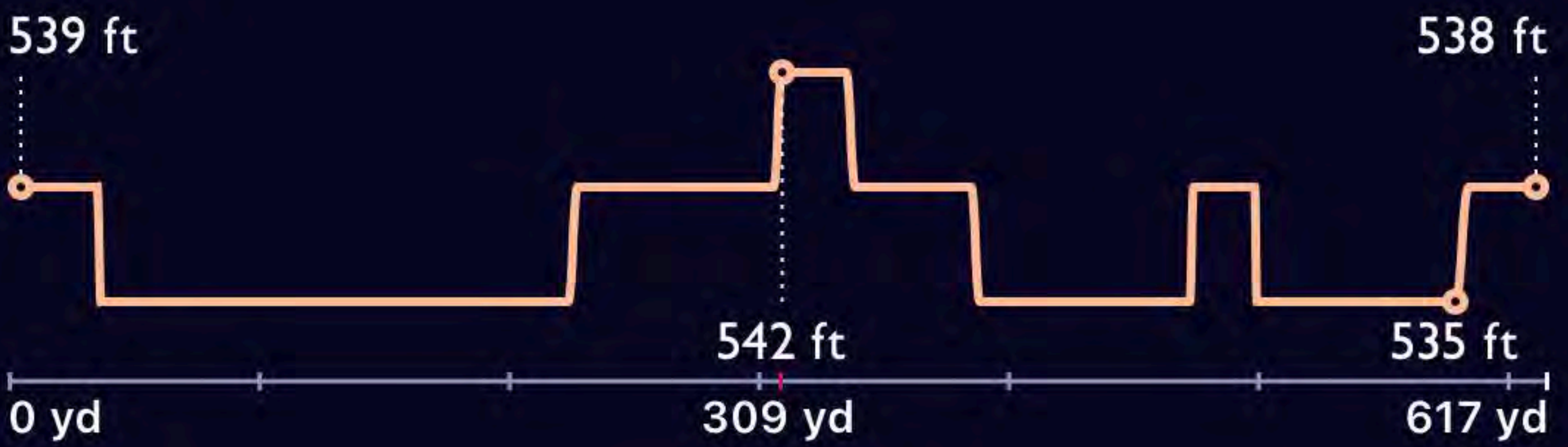
7.1 mph

Total Ascent >

15 ft

Add Notes

Elevation

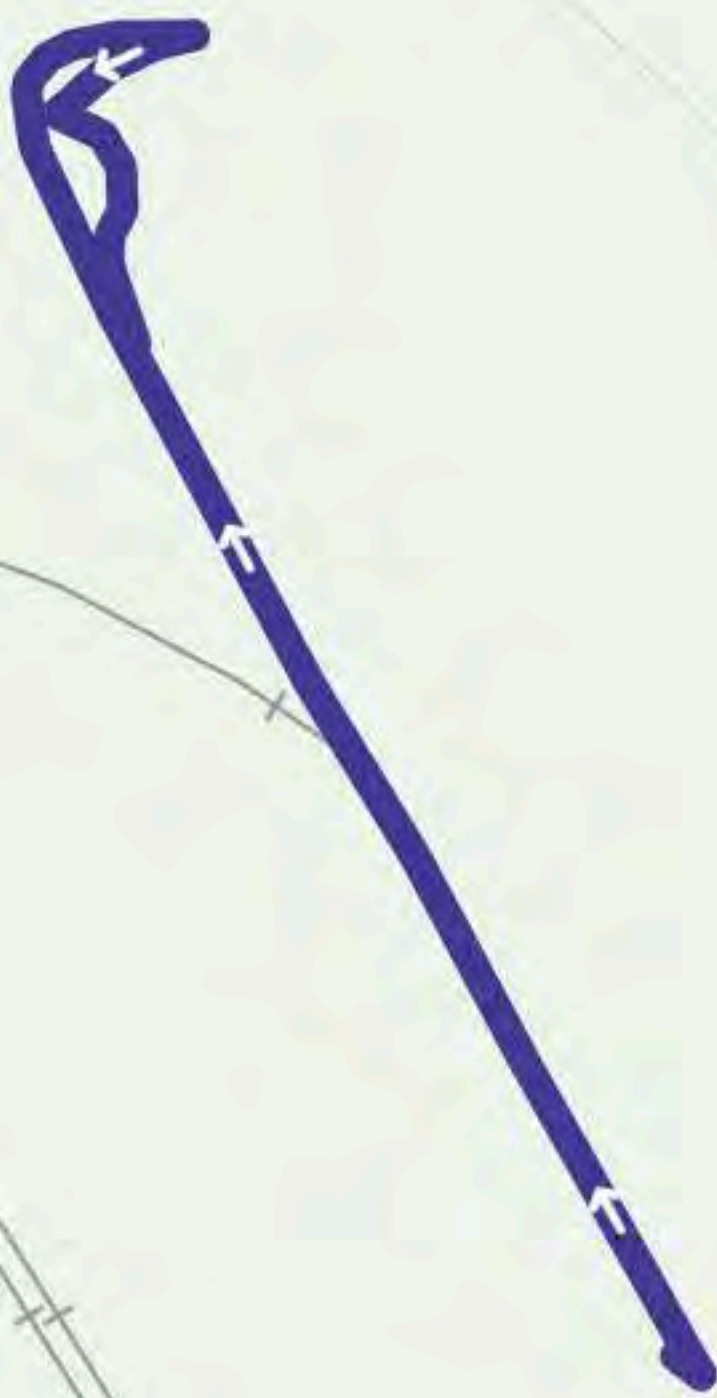


1:10

5G



ROCKHILL STATION



mapbox



0 75 m 150 m



Aug 22, 2023, 1:07–1:09 PM

Water truck pass 5



Distance

378 yd

Total Duration

02:29

Moving Time

02:29

Avg. Speed

5.2 mph

Total Ascent >

12 ft



Aug 22, 2023, 1:07–1:09 PM

Water truck pass 5



Distance

378 yd

Total Duration

02:29

Moving Time

02:29

Avg. Speed

5.2 mph

Total Ascent >

12 ft

 Add Notes

Elevation

