



Sent via e-mail only

Hanson Aggregates Pennsylvania LLC
7660 Imperial Way
Allentown, PA 18195-1040
Tel 610-366-4600
Fax 610-871-5994

June 24, 2022

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

**RE: Rock Hill Quarry – Activity Based Sampling Data from June 1, 2022
Sampling Event**
Hanson Aggregates Pennsylvania LLC
East Rockhill Township, Bucks County, PA

Dear Mr. Tallman:

Enclosed are the results of Hanson's first activity based sampling event at the Rock Hill Quarry on June 1, 2022, performed in accordance with the Department's February 28, 2022 approval letter. The attachments include laboratory analysis of samples collected on June 1, 2022, wind and precipitation data collected from the Quarry weather station from May 29, 2022 through June 1, 2022, and GPS vehicle tracking data logs for the three vehicles during the sampling event.

Hanson remains committed to working with the Department to allow the removal of the Cessation Order so that quarrying activities can resume at the Rock Hill Quarry.

Regards,

A handwritten signature in blue ink, appearing to read "Michael C. Lewis".

Michael C. Lewis, CHMM, CSP
NE Region Director, Environment & Sustainability

encl: as stated

cc: John Stefanko, PADEP (e-mail only)

Daniel Sammarco, P.E., PADEP (e-mail only)
Randy Shustack, PADEP (e-mail only)
Michael P. Kutney, P.G., PADEP (e-mail only)
Amiee Bollinger, PADEP (e-mail only)
Thomas Boretski, 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)
Virginia Nurk, 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, Hanson (e-mail only)
Andrew J. Gutshall, P.G., Hanson (e-mail only)
Timothy J. Poppenberg, Hanson (e-mail only)
David Assalone, Esq., Hanson (email only)
Robert, J. Schena, Esq., Fox Rothschild LLP (e-mail only)
Environmental File

Attachment 1
Laboratory Analysis

Final Laboratory Report

TEM ISO Analysis

Attention: Clair Wischusen
Fox Rothschild LLP
2700 Kelly Road
Warrington, PA 18976
US

Report Date: 06/21/2022
Sample Receipt Date: 06/03/2022
RJ Lee Group Job No.: LLH901997-38
Authorization/P.O. No.:
Samples Received: 10
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
20220601-01	3180387.HT	0.45m TEM	385	946	0.38150	<u>0</u>	<u>0</u>	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
20220601-02	3180388.HT	0.45m TEM	385	987	0.38150	<u>0</u>	<u>0</u>	0 - 3	0 - 3	0.0010	< 0.0010	< 0.0010	0	< 0.0010
20220601-03	3180389.HT	0.45m TEM	385	956	0.38150	<u>0</u>	<u>0</u>	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
20220601-04	3180390.HT	0.45m TEM	385	948	0.38150	<u>0</u>	<u>0</u>	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011

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 Monroeville, PA (AIHA LAP, LLC #100364, 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.
- "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 #100364) 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.

RJ Lee Group, Inc.

RJ Lee Group Job No: LLH901997-38
 Client Job No/Name:

Final Laboratory Report (cont'd)

Client: Fox Rothschild LLP
 Report Date: 06/21/2022

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
20220601-05	3180391.HT	0.45m TEM	385	874	0.38150	0	0	0 - 3	0 - 3	0.0012	< 0.0012	< 0.0012	0	< 0.0012
20220601-06	3180392.HT	0.45m TEM	385	973	0.38150	0	0	0 - 3	0 - 3	0.0010	< 0.0010	< 0.0010	0	< 0.0010
20220601-07	3180393.HT	0.45m TEM	385	961	0.38150	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
20220601-08	3180394.HT	0.45m TEM	385	944	0.38150	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
20220601-09	3180395.HT	0.45m TEM - Field Blank	385	0	0.38150	0	0	0 - 3	0 - 3	N/A	N/A	N/A	0	N/A
20220601-10	3180396.HT	0.45m TEM - Lab Blank	385	0	0.38150	0	0	0 - 3	0 - 3	N/A	N/A	N/A	0	N/A

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 Monroeville, PA (AIHA LAP, LLC #100364, 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.
- "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 #100364) 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.

RJ Lee Group, Inc.

Final Laboratory Report (cont'd)

RJ Lee Group Job No: LLH901997-38
 Client Job No/Name:

Client: Fox Rothschild LLP
 Report Date: 06/21/2022

TABLE 2 – Structures Length ≥5.0µm, 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
20220601-01	3180387.HT	0.45m TEM	385	946	0.38150	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
20220601-02	3180388.HT	0.45m TEM	385	987	0.38150	0	0	0 - 3	0 - 3	0.0010	< 0.0010	< 0.0010	0	< 0.0010
20220601-03	3180389.HT	0.45m TEM	385	956	0.38150	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
20220601-04	3180390.HT	0.45m TEM	385	948	0.38150	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
20220601-05	3180391.HT	0.45m TEM	385	874	0.38150	0	0	0 - 3	0 - 3	0.0012	< 0.0012	< 0.0012	0	< 0.0012
20220601-06	3180392.HT	0.45m TEM	385	973	0.38150	0	0	0 - 3	0 - 3	0.0010	< 0.0010	< 0.0010	0	< 0.0010
20220601-07	3180393.HT	0.45m TEM	385	961	0.38150	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011
20220601-08	3180394.HT	0.45m TEM	385	944	0.38150	0	0	0 - 3	0 - 3	0.0011	< 0.0011	< 0.0011	0	< 0.0011

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 Monroeville, PA (AIHA LAP, LLC #100364, 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.
- "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 #100364) 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.

RJ Lee Group, Inc.


RJ Lee Group Job No: LLH901997-38
 Client Job No/Name:

Final Laboratory Report (cont'd)

Client: Fox Rothschild LLP
 Report Date: 06/21/2022

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
20220601-09	3180395.HT	0.45m TEM - Field Blank	385	0	0.38150	0	0	0 - 3	0 - 3	N/A	N/A	N/A	0	N/A
20220601-10	3180396.HT	0.45m TEM - Lab Blank	385	0	0.38150	0	0	0 - 3	0 - 3	N/A	N/A	N/A	0	N/A

Authorized Signature: 
 Ashleigh Sload, Scientist

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 Monroeville, PA (AIHA LAP, LLC #100364, 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.
- "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 #100364) 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.

Attachment 2
Wind and Precipitation Data
May 29 – June 1, 2022

Hanson Aggregates PA, LLC - Activity Based Sampling
Wind and Precipitation Data from May 29, 2022 to June 1, 2022 at the Rock Hill Quarry

Date/Time	Outdoor Temperature (°F)	Wind Speed (mph)	Wind Gust (mph)	Wind Direction (°)	Hourly Rain (in/hr)	Daily Rain (in)
6/1/2022 23:55	59.7	7.4	11.6	140	0.03	0.06
6/1/2022 23:40	59.5	5.6	10.5	140	0.09	0.04
6/1/2022 23:25	59.2	7.8	15.2	136	0.03	0.03
6/1/2022 23:10	59.2	8.7	15.7	136	0	0.03
6/1/2022 22:55	59.4	5.8	15.7	146	0.03	0.02
6/1/2022 22:40	59.9	6.9	15	139	0.09	0
6/1/2022 22:25	60.8	2	8.7	124	0	0
6/1/2022 22:10	61.5	2.5	8.9	254	0	0
6/1/2022 21:55	62.1	3.8	13.9	121	0	0
6/1/2022 21:40	63.1	5.6	14.1	125	0	0
6/1/2022 21:25	64.2	4.5	11.9	115	0	0
6/1/2022 21:10	65.1	6	12.8	128	0	0
6/1/2022 20:55	65.5	4.7	11.4	128	0	0
6/1/2022 20:40	66	4	8.7	129	0	0
6/1/2022 20:25	66.6	2	9.6	123	0	0
6/1/2022 20:10	67.5	4.7	12.8	119	0	0
6/1/2022 19:55	68.2	5.6	11	128	0	0
6/1/2022 19:40	68.9	6.5	13	127	0	0
6/1/2022 19:25	69.8	6	15.4	125	0	0
6/1/2022 19:10	70.9	7.4	13.9	129	0	0
6/1/2022 18:55	72.3	4.5	12.1	121	0	0
6/1/2022 18:40	73.6	4.3	12.8	123	0	0
6/1/2022 18:25	74.1	6.9	14.5	124	0	0
6/1/2022 18:10	75	5.8	14.1	122	0	0
6/1/2022 17:55	76.1	6.7	14.3	124	0	0
6/1/2022 17:40	77.4	4.9	15.7	113	0	0
6/1/2022 17:25	77.9	5.8	16.1	120	0	0
6/1/2022 17:10	78.6	6.7	15	126	0	0
6/1/2022 16:55	79	6.7	12.5	130	0	0
6/1/2022 16:40	80.1	5.8	13	125	0	0
6/1/2022 16:25	80.1	5.6	13.9	124	0	0
6/1/2022 16:10	80.1	7.4	15.9	130	0	0
6/1/2022 15:55	80.2	7.2	13.6	133	0	0
6/1/2022 15:40	80.1	7.6	16.1	136	0	0
6/1/2022 15:25	80.2	8.5	14.8	139	0	0
6/1/2022 15:10	81.3	6.3	12.8	129	0	0
6/1/2022 14:55	80.1	6.9	13.4	139	0	0
6/1/2022 14:40	80.2	7.2	14.1	142	0	0
6/1/2022 14:25	80.1	6.7	12.3	136	0	0
6/1/2022 14:10	81	4.5	11.6	126	0	0
6/1/2022 13:55	79.9	5.4	13.2	122	0	0
6/1/2022 13:40	79.9	6.5	14.1	141	0	0
6/1/2022 13:25	79.9	4.9	12.1	136	0	0
6/1/2022 13:10	79.5	5.4	12.5	156	0	0
6/1/2022 12:55	78.4	5.1	10.1	145	0	0
6/1/2022 12:40	77.2	5.6	11.4	143	0	0
6/1/2022 12:25	76.8	5.1	9.8	149	0	0
6/1/2022 12:10	75.9	6	12.5	130	0	0
6/1/2022 11:55	75.2	5.4	11.6	135	0	0
6/1/2022 11:40	75.6	4.3	9.8	129	0	0
6/1/2022 11:25	74.1	4.5	8.7	132	0	0
6/1/2022 11:10	72.7	4.9	12.5	133	0	0
6/1/2022 10:55	72.9	3.1	11.9	124	0	0
6/1/2022 10:40	71.4	1.8	6.9	119	0	0
6/1/2022 10:25	71.8	2.9	8.3	128	0	0

*The green shaded cells represent the approximate time period (7:30am-4:30pm) during which Hanson collected air sampling data on June 1, 2022, from eight (8) air monitors located around the Quarry perimeter.

**The blue shaded cells represent the approximate time period (10:30am-1:00pm) that Hanson and its consultants performed the required ABS activity at the Rock Hill Quarry on June 1, 2022. Note, Hanson collected air sampling data from the eight (8) air monitors during this time.

Hanson Aggregates PA, LLC - Activity Based Sampling
Wind and Precipitation Data from May 29, 2022 to June 1, 2022 at the Rock Hill Quarry

Date/Time	Outdoor Temperature (°F)	Wind Speed (mph)	Wind Gust (mph)	Wind Direction (°)	Hourly Rain (in/hr)	Daily Rain (in)
6/1/2022 10:10	69.6	3.1	10.1	121	0	0
6/1/2022 9:55	67.8	2.5	8.5	120	0	0
6/1/2022 9:40	65.7	3.4	8.3	131	0	0
6/1/2022 9:25	64.9	4.9	10.1	124	0	0
6/1/2022 9:10	64.8	3.4	7.6	135	0	0
6/1/2022 8:55	64	3.8	8.9	128	0	0
6/1/2022 8:40	63.5	4	8.7	131	0	0
6/1/2022 8:25	63.5	4	9.2	125	0	0
6/1/2022 8:10	63.7	4.7	11.9	132	0	0
6/1/2022 7:55	63.5	4.5	10.1	136	0	0
6/1/2022 7:40	63.3	5.8	12.1	135	0	0
6/1/2022 7:25	63.5	5.1	11.2	129	0	0
6/1/2022 7:10	63.5	5.4	11.6	127	0	0
6/1/2022 6:55	63.5	5.6	11.9	129	0	0
6/1/2022 6:40	63.9	6.7	13.4	139	0	0
6/1/2022 6:25	64	5.8	12.1	136	0	0
6/1/2022 6:10	64.6	5.4	9.8	131	0	0
6/1/2022 5:55	65.3	5.4	9.8	138	0	0
6/1/2022 5:40	66.4	4.7	8.3	133	0	0
6/1/2022 5:25	67.5	3.8	8.7	122	0	0
6/1/2022 5:10	67.3	1.3	5.1	116	0	0
6/1/2022 4:55	67.6	0	0	327	0	0
6/1/2022 4:40	68.5	0.2	2.7	327	0	0
6/1/2022 4:25	70	1.3	3.6	327	0	0
6/1/2022 4:10	69.6	1.8	2.7	327	0	0
6/1/2022 3:55	69.4	0.2	2	327	0	0
6/1/2022 3:40	69.8	0	1.1	327	0	0
6/1/2022 3:25	70.3	0	1.3	327	0	0
6/1/2022 3:10	70	1.1	3.1	327	0	0
6/1/2022 2:55	70.2	2.2	5.6	334	0	0
6/1/2022 2:40	69.6	1.6	2.9	338	0	0
6/1/2022 2:25	71.1	1.8	4.3	338	0	0
6/1/2022 2:10	73.4	1.6	3.1	338	0	0
6/1/2022 1:55	75.9	2.9	6.3	330	0	0
6/1/2022 1:40	76.1	2.9	6.7	320	0	0
6/1/2022 1:25	75.9	1.8	4.9	320	0	0
6/1/2022 1:10	76.3	1.8	4.5	320	0	0
6/1/2022 0:55	76.1	2	4.9	320	0	0
6/1/2022 0:40	75.2	1.3	3.6	320	0	0
6/1/2022 0:25	75	0	2.2	320	0	0
6/1/2022 0:10	75.6	0	2	320	0	0
5/31/2022 23:55	75.9	0.2	2.7	320	0	0
5/31/2022 23:40	76.1	0.2	2.7	320	0	0
5/31/2022 23:25	77.2	0.4	2.5	320	0	0
5/31/2022 23:10	76.5	0.7	3.8	320	0	0
5/31/2022 22:55	77.7	0.2	2.5	320	0	0
5/31/2022 22:40	78.8	1.1	3.8	320	0	0
5/31/2022 22:25	78.3	0.7	2.9	320	0	0
5/31/2022 22:10	79.3	0.4	2.9	320	0	0
5/31/2022 21:55	78.8	0.4	6.9	320	0	0
5/31/2022 21:40	78.6	0	2.2	320	0	0
5/31/2022 21:25	79.7	0	1.6	320	0	0
5/31/2022 21:10	79.7	0.7	4	320	0	0
5/31/2022 20:55	79.2	0.2	3.1	320	0	0
5/31/2022 20:40	79.3	0	1.3	320	0	0

Hanson Aggregates PA, LLC - Activity Based Sampling
Wind and Precipitation Data from May 29, 2022 to June 1, 2022 at the Rock Hill Quarry

Date/Time	Outdoor Temperature (Å°F)	Wind Speed (mph)	Wind Gust (mph)	Wind Direction (Å°)	Hourly Rain (in/hr)	Daily Rain (in)
5/31/2022 20:25	80.6	0	1.3	320	0	0
5/31/2022 20:10	82.6	0.2	3.1	320	0	0
5/31/2022 19:55	84.2	0	1.6	320	0	0
5/31/2022 19:40	86.4	0.9	4	320	0	0
5/31/2022 19:25	88	1.3	6.3	318	0	0
5/31/2022 19:10	89.1	2.7	7.6	311	0	0
5/31/2022 18:55	89.8	4	8.7	300	0	0
5/31/2022 18:40	89.6	6.3	11.6	298	0	0
5/31/2022 18:25	89.8	8.1	14.5	303	0	0
5/31/2022 18:10	90	8.3	15.9	299	0	0
5/31/2022 17:55	90.1	8.9	18.8	300	0	0
5/31/2022 17:40	91	6.3	13.4	296	0	0
5/31/2022 17:25	91	8.5	14.8	300	0	0
5/31/2022 17:10	91.8	9.2	18.3	300	0	0
5/31/2022 16:55	91.6	8.9	18.3	301	0	0
5/31/2022 16:40	92.1	6.9	17	285	0	0
5/31/2022 16:25	91.9	7.6	15.4	300	0	0
5/31/2022 16:10	92.3	7.6	16.1	287	0	0
5/31/2022 15:55	91.9	8.1	16.8	296	0	0
5/31/2022 15:40	91.9	7.8	24.4	296	0	0
5/31/2022 15:25	91.4	11	20.6	299	0	0
5/31/2022 15:10	92.5	7.2	16.8	290	0	0
5/31/2022 14:55	91.4	9.6	17.4	299	0	0
5/31/2022 14:40	92.1	8.5	17.2	306	0	0
5/31/2022 14:25	92.1	6.3	13.4	299	0	0
5/31/2022 14:10	91.4	7.4	15.7	305	0	0
5/31/2022 13:55	91.8	5.8	17.9	314	0	0
5/31/2022 13:40	91	6.9	17.9	310	0	0
5/31/2022 13:25	90.7	8.9	19.7	303	0	0
5/31/2022 13:10	90.7	7.8	16.3	311	0	0
5/31/2022 12:55	90.1	7.8	17	306	0	0
5/31/2022 12:40	89.2	10.3	19	302	0	0
5/31/2022 12:25	88.7	9.2	22.8	307	0	0
5/31/2022 12:10	88.7	9.2	18.8	301	0	0
5/31/2022 11:55	88.2	10.1	23	303	0	0
5/31/2022 11:40	87.3	10.3	21	303	0	0
5/31/2022 11:25	86.5	11.2	25.9	304	0	0
5/31/2022 11:10	86	10.3	29.3	306	0	0
5/31/2022 10:55	85.3	9.8	19.7	306	0	0
5/31/2022 10:40	84.9	8.3	22.6	303	0	0
5/31/2022 10:25	84	8.7	19.9	302	0	0
5/31/2022 10:10	83.1	7.8	17.2	311	0	0
5/31/2022 9:55	82	8.9	16.1	304	0	0
5/31/2022 9:40	81.5	9.4	17.9	306	0	0
5/31/2022 9:25	81	8.5	16.8	307	0	0
5/31/2022 9:10	80.1	8.1	14.8	307	0	0
5/31/2022 8:55	79	8.1	15	304	0	0
5/31/2022 8:40	77.9	7.4	13.9	306	0	0
5/31/2022 8:25	76.1	6.3	11.6	306	0	0
5/31/2022 8:10	74.3	4	6.9	317	0	0
5/31/2022 7:55	73.4	4.9	7.8	317	0	0
5/31/2022 7:40	72.3	4.3	7.2	331	0	0
5/31/2022 7:25	70.9	2.2	3.6	343	0	0
5/31/2022 7:10	69.1	1.3	3.8	343	0	0
5/31/2022 6:55	67.6	1.3	2.7	343	0	0

Hanson Aggregates PA, LLC - Activity Based Sampling
Wind and Precipitation Data from May 29, 2022 to June 1, 2022 at the Rock Hill Quarry

Date/Time	Outdoor Temperature (°F)	Wind Speed (mph)	Wind Gust (mph)	Wind Direction (°)	Hourly Rain (in/hr)	Daily Rain (in)
5/31/2022 6:40	67.5	1.8	3.1	343	0	0
5/31/2022 6:25	68.4	2	4	343	0	0
5/31/2022 6:10	68.9	2	5.1	343	0	0
5/31/2022 5:55	69.8	2	4	343	0	0
5/31/2022 5:40	71.1	2	5.4	343	0	0
5/31/2022 5:25	72.1	2.9	5.8	343	0	0
5/31/2022 5:10	72.1	2.5	6	343	0	0
5/31/2022 4:55	72.1	2	5.8	343	0	0
5/31/2022 4:40	72.1	0.9	6.5	343	0	0
5/31/2022 4:25	72.5	0.7	4.7	343	0	0
5/31/2022 4:10	72.3	1.3	4.7	343	0	0
5/31/2022 3:55	72	1.6	4.7	325	0	0
5/31/2022 3:40	72.1	2.5	6.9	311	0	0
5/31/2022 3:25	72.9	2.7	8.3	317	0	0
5/31/2022 3:10	73.2	2	5.6	327	0	0
5/31/2022 2:55	72.9	1.1	5.1	257	0	0
5/31/2022 2:40	72.5	0.2	3.1	190	0	0
5/31/2022 2:25	72.3	0.7	3.8	190	0	0
5/31/2022 2:10	72.7	0.4	3.1	190	0	0
5/31/2022 1:55	72.7	0.7	4.5	190	0	0
5/31/2022 1:40	72.3	1.3	5.8	176	0	0
5/31/2022 1:25	72.5	0.9	3.6	173	0	0
5/31/2022 1:10	72.9	0.4	3.1	173	0	0
5/31/2022 0:55	73.2	2	5.8	173	0	0
5/31/2022 0:40	73.6	1.6	6.3	181	0	0
5/31/2022 0:25	74.1	1.8	7.2	157	0	0
5/31/2022 0:10	74.3	1.6	6.5	158	0	0
5/30/2022 23:55	74.7	2.2	6.7	181	0	0
5/30/2022 23:40	75.2	2	5.6	182	0	0
5/30/2022 23:25	75.6	1.6	6.7	192	0	0
5/30/2022 23:10	75.9	3.1	7.6	157	0	0
5/30/2022 22:55	76.1	2.7	7.2	151	0	0
5/30/2022 22:40	76.5	2.5	7.2	154	0	0
5/30/2022 22:25	77	2.9	6.5	160	0	0
5/30/2022 22:10	77.4	3.1	6.9	167	0	0
5/30/2022 21:55	77.9	2.2	8.7	173	0	0
5/30/2022 21:40	78.4	3.4	7.8	163	0	0
5/30/2022 21:25	78.8	2.2	5.6	146	0	0
5/30/2022 21:10	79.2	2.2	6.9	178	0	0
5/30/2022 20:55	79.3	2.2	5.1	148	0	0
5/30/2022 20:40	77.9	1.6	5.6	260	0	0
5/30/2022 20:25	78.6	0	2.2	288	0	0
5/30/2022 20:10	80.2	0	0	288	0	0
5/30/2022 19:55	82.9	0.2	2	288	0	0
5/30/2022 19:40	84.6	0.9	4	288	0	0
5/30/2022 19:25	85.5	1.8	4.5	288	0	0
5/30/2022 19:10	85.8	2.7	7.6	288	0	0
5/30/2022 18:55	86.7	2.5	7.8	260	0	0
5/30/2022 18:40	86.9	2.2	6.5	289	0	0
5/30/2022 18:25	87.1	3.1	8.9	275	0	0
5/30/2022 18:10	86.7	4	8.9	265	0	0
5/30/2022 17:55	87.3	4.5	11.2	285	0	0
5/30/2022 17:40	87.1	5.4	11.2	291	0	0
5/30/2022 17:25	87.8	5.4	12.5	260	0	0
5/30/2022 17:10	88.3	3.6	10.3	275	0	0

Hanson Aggregates PA, LLC - Activity Based Sampling
Wind and Precipitation Data from May 29, 2022 to June 1, 2022 at the Rock Hill Quarry

Date/Time	Outdoor Temperature (°F)	Wind Speed (mph)	Wind Gust (mph)	Wind Direction (°)	Hourly Rain (in/hr)	Daily Rain (in)
5/30/2022 16:55	88.7	3.8	11.9	291	0	0
5/30/2022 16:40	87.6	4.5	10.5	250	0	0
5/30/2022 16:25	87.1	4.3	14.8	259	0	0
5/30/2022 16:10	87.4	4.3	13.2	181	0	0
5/30/2022 15:55	88.2	3.4	12.1	257	0	0
5/30/2022 15:40	87.1	5.8	11.2	303	0	0
5/30/2022 15:25	87.3	5.6	14.8	294	0	0
5/30/2022 15:10	87.6	3.8	10.1	213	0	0
5/30/2022 14:55	87.1	4.3	11.4	246	0	0
5/30/2022 14:40	87.1	4.3	10.5	256	0	0
5/30/2022 14:25	86.2	4	10.1	174	0	0
5/30/2022 14:10	84.7	4.7	13.6	270	0	0
5/30/2022 13:55	84	5.6	15.4	255	0	0
5/30/2022 13:40	85.3	3.6	12.1	249	0	0
5/30/2022 13:25	85.6	5.6	13.4	165	0	0
5/30/2022 13:10	84.6	4.5	11.9	216	0	0
5/30/2022 12:55	84	5.4	13.6	238	0	0
5/30/2022 12:40	84.6	3.6	10.5	227	0	0
5/30/2022 12:25	84.4	3.8	9.2	255	0	0
5/30/2022 12:10	82.2	5.4	11.6	306	0	0
5/30/2022 11:55	81.9	5.4	14.1	268	0	0
5/30/2022 11:40	81.5	3.6	9.4	272	0	0
5/30/2022 11:25	80.6	5.1	14.5	294	0	0
5/30/2022 11:10	81.5	3.8	9.6	277	0	0
5/30/2022 10:55	80.4	4.3	11.4	200	0	0
5/30/2022 10:40	80.1	4	9.6	244	0	0
5/30/2022 10:25	79.2	4.3	10.1	287	0	0
5/30/2022 10:10	78.3	4.3	10.3	254	0	0
5/30/2022 9:55	77.2	5.4	11.2	304	0	0
5/30/2022 9:40	76.5	3.6	8.9	275	0	0
5/30/2022 9:25	75.2	3.4	10.1	250	0	0
5/30/2022 9:10	73.6	4.7	11	284	0	0
5/30/2022 8:55	72.7	5.8	11	299	0	0
5/30/2022 8:40	72.1	4	8.3	300	0	0
5/30/2022 8:25	69.4	2	9.8	177	0	0
5/30/2022 8:10	67.3	0	2	143	0	0
5/30/2022 7:55	65.3	0	1.6	143	0	0
5/30/2022 7:40	63	0	2.5	143	0	0
5/30/2022 7:25	61	0.9	2	143	0	0
5/30/2022 7:10	59.5	0.4	2	143	0	0
5/30/2022 6:55	58.3	0.2	1.8	143	0	0
5/30/2022 6:40	57.9	0	1.3	143	0	0
5/30/2022 6:25	58.1	0	1.6	143	0	0
5/30/2022 6:10	58.6	0	0	143	0	0
5/30/2022 5:55	59.7	0	1.6	143	0	0
5/30/2022 5:40	60.8	1.6	4	143	0	0
5/30/2022 5:25	60.3	1.3	3.1	143	0	0
5/30/2022 5:10	59.5	0	2	143	0	0
5/30/2022 4:55	59.5	0	1.6	143	0	0
5/30/2022 4:40	60.1	0	0	143	0	0
5/30/2022 4:25	60.4	0.2	2.5	143	0	0
5/30/2022 4:10	61.3	0	1.6	143	0	0
5/30/2022 3:55	62.2	0	1.3	143	0	0
5/30/2022 3:40	62.2	0.4	2.9	143	0	0
5/30/2022 3:25	63.1	0.2	3.6	143	0	0

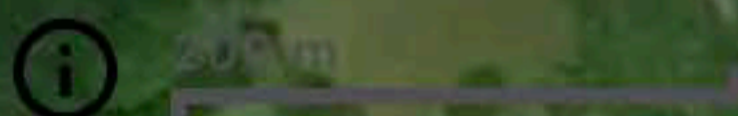
Hanson Aggregates PA, LLC - Activity Based Sampling
Wind and Precipitation Data from May 29, 2022 to June 1, 2022 at the Rock Hill Quarry

Date/Time	Outdoor Temperature (°F)	Wind Speed (mph)	Wind Gust (mph)	Wind Direction (°)	Hourly Rain (in/hr)	Daily Rain (in)
5/30/2022 3:10	63.1	1.6	3.8	143	0	0
5/30/2022 2:55	63	0.2	2.7	143	0	0
5/30/2022 2:40	63.5	0.7	3.6	143	0	0
5/30/2022 2:25	63.7	1.6	5.4	148	0	0
5/30/2022 2:10	63.3	2.2	4.7	121	0	0
5/30/2022 1:55	62.6	2.9	5.1	121	0	0
5/30/2022 1:40	61.7	2.7	4.5	121	0	0
5/30/2022 1:25	61.3	1.8	3.6	121	0	0
5/30/2022 1:10	61.3	0.7	2.5	121	0	0
5/30/2022 0:55	61.9	2	5.6	121	0	0
5/30/2022 0:40	62.8	0.4	6.5	237	0	0
5/30/2022 0:25	63.5	0	2.7	240	0	0
5/30/2022 0:10	64.6	0	1.1	240	0	0
5/29/2022 23:55	64.8	0	0	240	0	0
5/29/2022 23:40	64.8	0	0	240	0	0
5/29/2022 23:25	66.4	0	1.6	240	0	0
5/29/2022 23:10	66.9	0	1.1	240	0	0
5/29/2022 22:55	66.7	0	1.3	240	0	0
5/29/2022 22:40	63.9	0	1.6	240	0	0
5/29/2022 22:25	63.3	0	1.3	240	0	0
5/29/2022 22:10	63.3	0	0	240	0	0
5/29/2022 21:55	63.5	0	0	240	0	0
5/29/2022 21:40	64	0	0	240	0	0
5/29/2022 21:25	64.8	0	0	240	0	0
5/29/2022 21:10	65.5	0	0	240	0	0
5/29/2022 20:55	66.6	0	0	240	0	0
5/29/2022 20:40	67.8	0	0	240	0	0
5/29/2022 20:25	69.6	0	0	240	0	0
5/29/2022 20:10	71.8	0	0	240	0	0
5/29/2022 19:55	73.6	0	0	240	0	0
5/29/2022 19:40	75.4	0.2	2.2	240	0	0
5/29/2022 19:25	77.2	0.7	3.8	244	0	0
5/29/2022 19:10	77.7	1.8	7.2	286	0	0
5/29/2022 18:55	78.6	1.1	4	269	0	0
5/29/2022 18:40	78.8	1.6	5.8	233	0	0
5/29/2022 18:25	78.4	1.1	4.5	197	0	0
5/29/2022 18:10	78.6	2.7	8.3	268	0	0
5/29/2022 17:55	79.7	2.7	7.2	241	0	0
5/29/2022 17:40	78.3	2.9	7.6	264	0	0
5/29/2022 17:25	79.3	4.9	12.1	305	0	0
5/29/2022 17:10	81.1	3.1	9.2	218	0	0
5/29/2022 16:55	80.6	0.4	4.3	169	0	0
5/29/2022 16:40	79.9	2	6.7	192	0	0
5/29/2022 16:25	79.7	2.7	9.4	266	0	0
5/29/2022 16:10	78.6	4.3	9.8	293	0	0
5/29/2022 15:55	81	4.3	11.4	277	0	0
5/29/2022 15:40	79.5	2.2	10.1	255	0	0
5/29/2022 15:25	81	2.2	7.6	265	0	0
5/29/2022 15:10	79.9	2.5	10.5	231	0	0
5/29/2022 14:55	77	3.8	11	290	0	0
5/29/2022 14:40	77.4	5.1	13.2	314	0	0
5/29/2022 14:25	77.7	5.4	13	307	0	0
5/29/2022 14:10	78.4	3.6	13.2	230	0	0
5/29/2022 13:55	77.5	4.7	12.5	302	0	0
5/29/2022 13:40	76.6	3.6	9.4	292	0	0

Hanson Aggregates PA, LLC - Activity Based Sampling
Wind and Precipitation Data from May 29, 2022 to June 1, 2022 at the Rock Hill Quarry

Date/Time	Outdoor Temperature (Å°F)	Wind Speed (mph)	Wind Gust (mph)	Wind Direction (Å°)	Hourly Rain (in/hr)	Daily Rain (in)
5/29/2022 13:25	74.5	4.9	11.4	304	0	0
5/29/2022 13:10	75.6	6.7	13.4	297	0	0
5/29/2022 12:55	75.4	5.4	14.5	302	0	0
5/29/2022 12:40	73.6	4.7	11.2	289	0	0
5/29/2022 12:25	74.3	3.8	11.4	289	0	0
5/29/2022 12:10	74.5	4.7	15.7	302	0	0
5/29/2022 11:55	73.9	6.3	12.5	300	0	0
5/29/2022 11:40	74.8	4.3	9.8	307	0	0
5/29/2022 11:25	73.8	2.7	8.5	273	0	0
5/29/2022 11:10	72.7	4.3	13	313	0	0
5/29/2022 10:55	72.1	5.4	12.5	297	0	0
5/29/2022 10:40	73.2	3.6	11.9	300	0	0
5/29/2022 10:25	70.7	3.8	8.7	307	0	0
5/29/2022 10:10	69.8	4.3	7.4	292	0	0
5/29/2022 9:55	69.6	4.3	9.8	286	0	0
5/29/2022 9:40	68.2	4.3	9.6	294	0	0
5/29/2022 9:25	67.5	4.3	9.8	303	0	0
5/29/2022 9:10	65.8	5.4	11.2	316	0	0
5/29/2022 8:55	64.9	5.8	10.1	307	0	0
5/29/2022 8:40	63.5	4.9	11.2	302	0	0
5/29/2022 8:25	62.2	4.5	10.1	306	0	0
5/29/2022 8:10	61.2	5.1	8.9	307	0	0
5/29/2022 7:55	60.1	4.9	8.1	310	0	0
5/29/2022 7:40	59	4.7	7.6	311	0	0
5/29/2022 7:25	57.9	4.9	6.7	311	0	0
5/29/2022 7:10	56.5	4.5	6.7	311	0	0
5/29/2022 6:55	55.8	3.8	5.1	311	0	0
5/29/2022 6:40	54.5	3.1	4.7	311	0	0
5/29/2022 6:25	53.8	2.2	3.8	311	0	0
5/29/2022 6:10	54	2.7	3.8	311	0	0
5/29/2022 5:55	54.3	1.8	3.4	311	0	0
5/29/2022 5:40	54.5	1.1	2.2	311	0	0
5/29/2022 5:25	54.9	1.3	2.2	311	0	0
5/29/2022 5:10	55.2	0	1.6	311	0	0
5/29/2022 4:55	55.8	0.9	3.1	311	0	0
5/29/2022 4:40	56.1	1.3	3.1	311	0	0
5/29/2022 4:25	56.3	1.6	2.9	311	0	0
5/29/2022 4:10	56.7	1.6	3.1	311	0	0
5/29/2022 3:55	57.2	0.7	2.2	311	0	0
5/29/2022 3:40	57.7	1.3	2.2	311	0	0
5/29/2022 3:25	58.5	0.2	2.2	311	0	0
5/29/2022 3:10	58.5	0	1.6	311	0	0
5/29/2022 2:55	58.5	0	0	311	0	0
5/29/2022 2:40	58.6	0	1.3	311	0	0
5/29/2022 2:25	59	0.2	2	311	0	0
5/29/2022 2:10	59.4	0.9	2.5	311	0	0
5/29/2022 1:55	59.5	0	2	311	0	0
5/29/2022 1:40	59.7	0	1.3	311	0	0
5/29/2022 1:25	60.3	0	0	311	0	0
5/29/2022 1:10	60.3	0	0	311	0	0
5/29/2022 0:55	60.1	0.7	2.5	311	0	0
5/29/2022 0:40	60.4	0.4	2.7	311	0	0
5/29/2022 0:25	60.8	0	1.1	311	0	0
5/29/2022 0:10	60.8	0.2	2	311	0	0

Attachment 3
Vehicle Geotracking



Jun 1, 2022, 10:29 AM–1:00 PM

2022-06-01 [redacted] - Rock Hill...

Distance
16.1 mi

Total Duration
02:31:02

Moving Time
02:31:02

Avg. Speed
6.4 mph

Total Ascent >
2188 ft



Save Activity

Jun 1, 2022, 10:29 AM–1:00 PM

2022-06-01 [redacted] - Rock Hill
driving route



Other



Distance

16.10 mi

Total Duration

02:31:02

Moving Time

02:31:02

Avg. Speed

6.4 mph

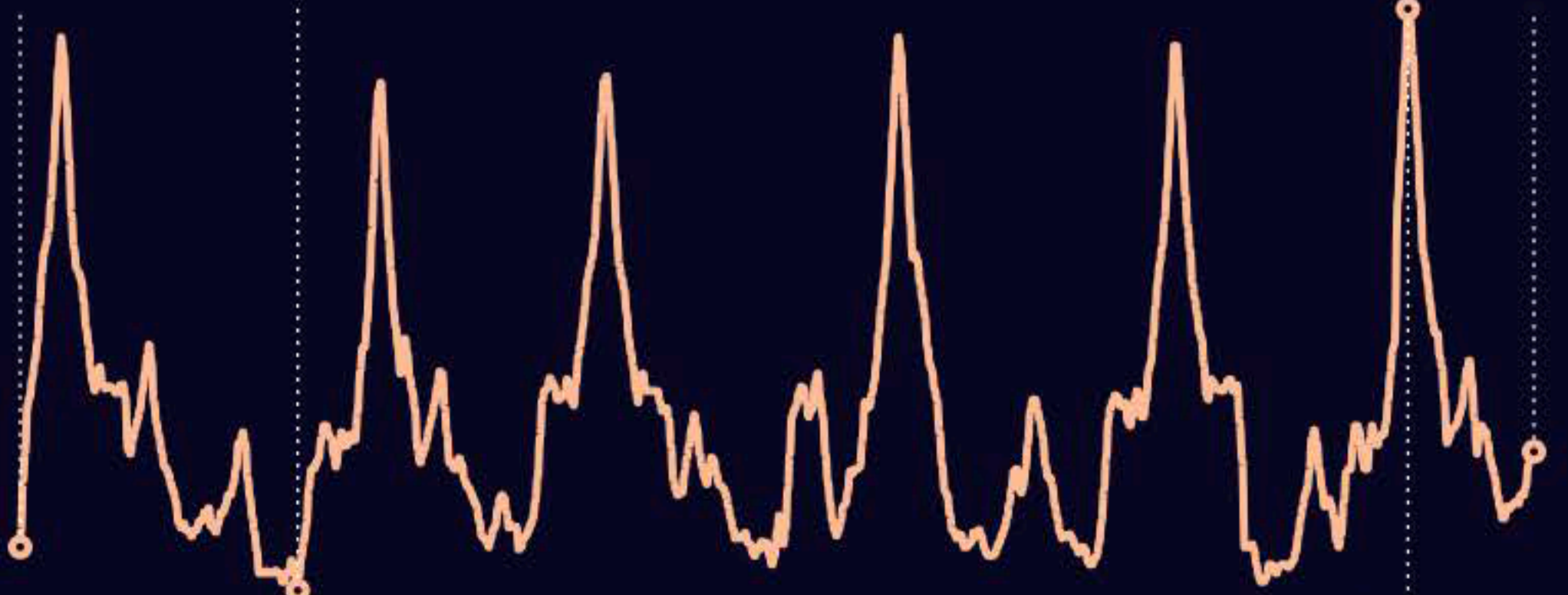
Add Notes

Elevation

548 ft

533 ft

582 ft

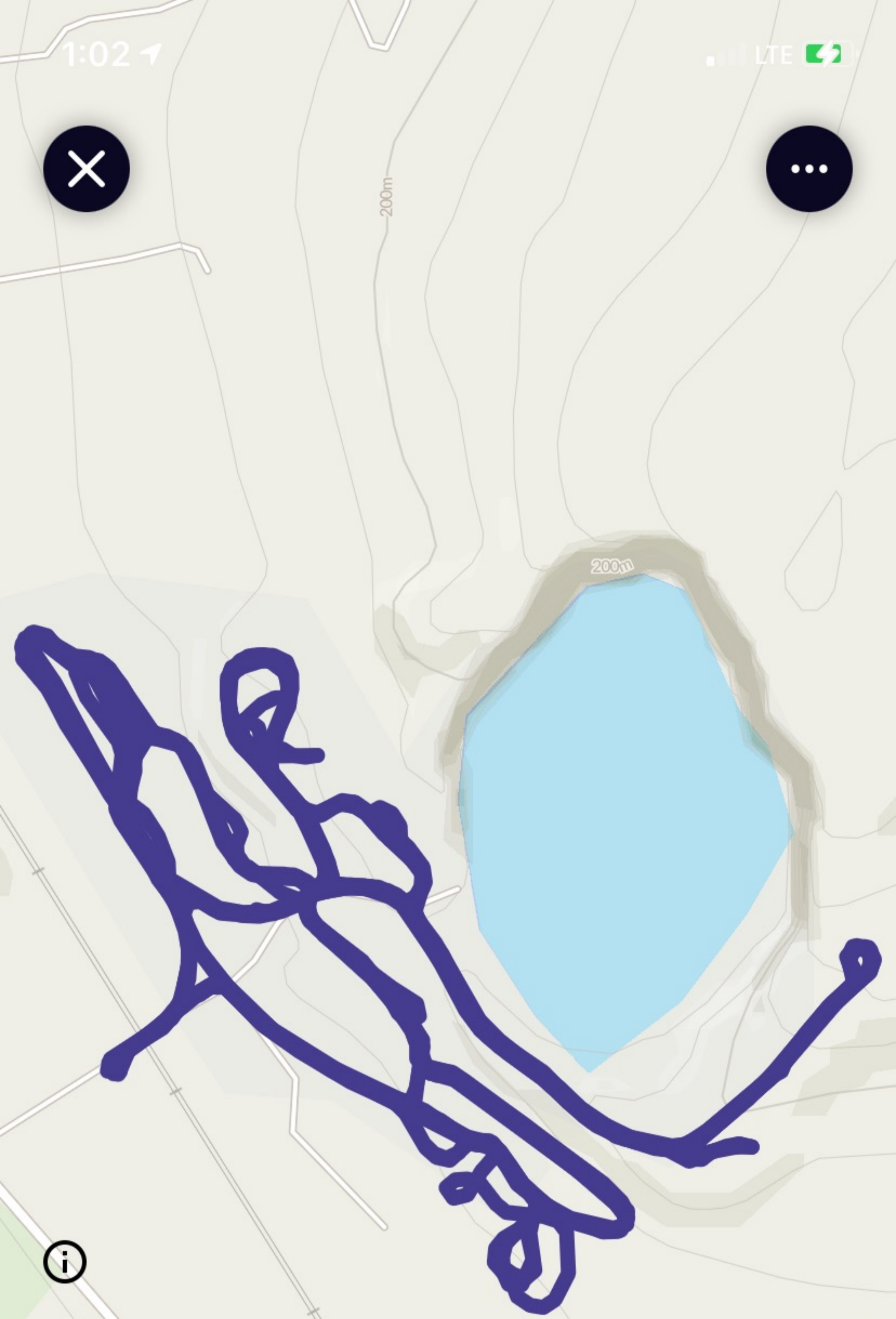


751 ft

Save

1:02

LTE



Jun 1, 2022, 10:30 AM–1:02 PM

Wednesday Morning Walk / Hike



Distance

18.87 mi

Total Duration

02:32:22

Moving Time

02:32:22

Avg. Speed

7.5 mph

Total Ascent >

2578 ft



Save Activity

Jun 1, 2022, 10:30 AM–1:02 PM

Wednesday Morning Walk / Hike



Walk / Hike



Distance

18.87 mi

Total Duration

02:32:22

Moving Time

02:32:22

Avg. Speed

7.5 mph

Add Notes

Elevation

548 ft

550 ft



Save

1:03

LTE



Jun 1, 2022, 10:48 AM–1:02 PM

2022-06-01 [redacted] driving route-...



Distance

14.76 mi

Total Duration

02:13:39

Moving Time

02:13:39

Avg. Speed

6.7 mph

Total Ascent >



Save Activity

Jun 1, 2022, 10:48 AM–1:02 PM

2022-06-01 [REDACTED] driving route-
Rock Hill



Walk / Hike



Distance

14.76 mi

Total Duration

02:13:39

Moving Time

02:13:39

Avg. Speed

6.7 mph

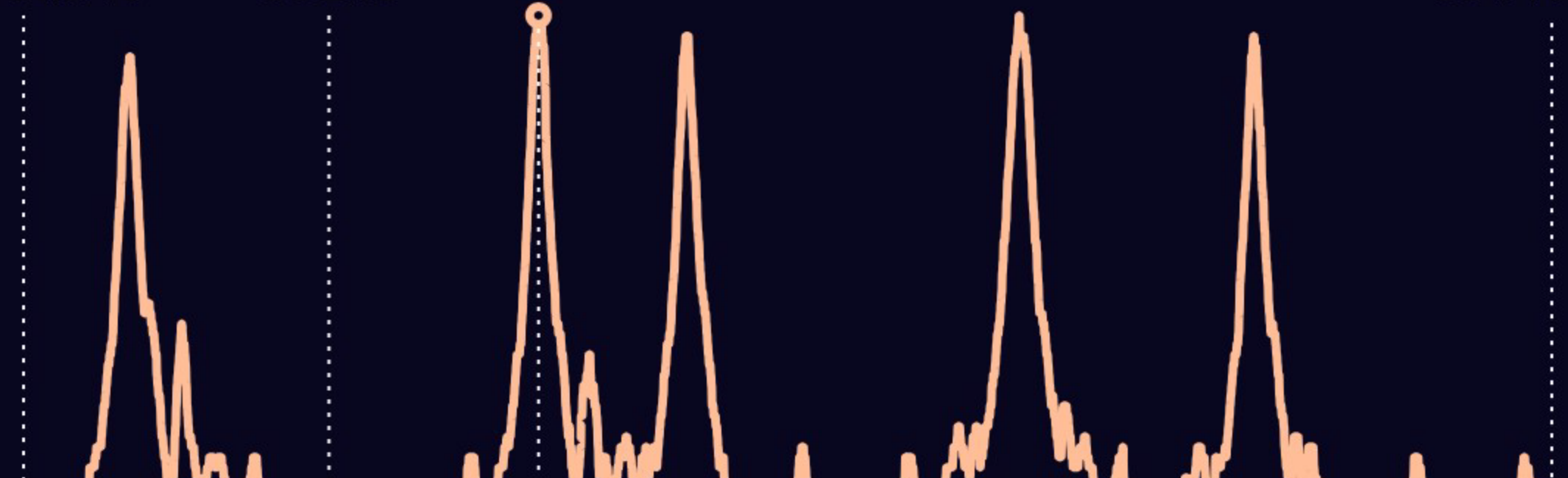
Add Notes

Elevation

543 ft

532 ft

554 ft




Save

Attachment 4
Perimeter Monitor Locations

Rock Hill Quarry

Air Monitor Locations

Legend

 Monitor

