

Date/Time	Unit	Unit Location	Blast			Distance	PPV	Geo ZCF	Sound Level Microphone		
			Blast Number	Blast Location	Peak				Time of Peak	Leq	
01/18/22 0:00	UM13417	Noise 2	02-22	Level 1	2324.1 ft	-	-	67.4 dB(A)	8:34:05	40.0 dB	
01/18/22 0:00	UM13416	Noise 3	02-22	Level 1	2012.8 ft	-	-	112.3 dB(A)	17:25:05	66.2 dB	
01/18/22 10:46	UM8173	Station 1	02-22	Level 1	1983.6 ft	0.1452 in/s	97.5 Hz	108.0 dB(L)			
01/18/22 10:46	UM9068	Station 2	02-22	Level 1	2009.2 ft	0.0807 in/s	81.9 Hz	109.3 dB(L)			
01/18/22 10:46	UM6460	Station 3	02-22	Level 1	2093.2 ft	0.0813 in/s	>100.0 Hz	112.3 dB(L)			
01/18/22 10:46	UM7153	Station 4	02-22	Level 1	2251.0 ft	0.0689 in/s	89.0 Hz	111.5 dB(L)			
01/18/22 10:46	UM13415	Station 5	02-22	Level 1	2326.4 ft	0.0593 in/s	>100.0 Hz	109.4 dB(L)			
01/18/22 10:46	UM7453	Station 6	02-22	Level 1	933.1 ft	0.2737 in/s	48.8 Hz	119.0 dB(L)			

Start January 18, 2022 00:00:05
Finish January 18, 2022 22:55:49
Number of Intervals/Interval 1375.72/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

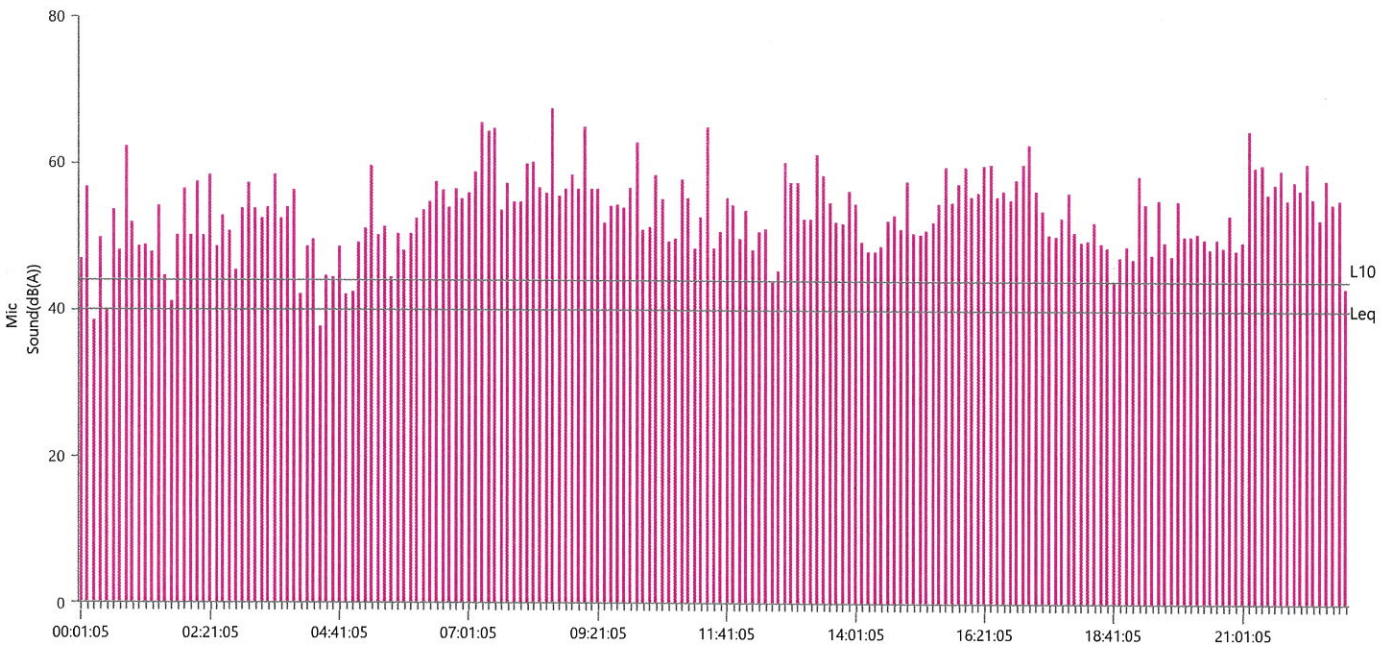
Serial Number UM13917
Model Number Micromate ISEE 10.90FB
Battery Level 3.8 volts
Unit Calibration November 23, 2021 by InstanTEL
Microphone Calibration UA10859, September 30, 2021 by InstanTEL
Event File Name UM13917_20220118000005.IDFH
USB Sensor Support Disabled

Notes
Location Noise 2
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note Station 5N30.49911 W98.21538
Post Event Notes No text to be displayed.

Sound Level Microphone
LMax 67.4 dB(A)
Date Jan 18, 2022
Time 08:34:05
Sound(dB(A))
Sensor Check ✓ Passed
Test Amplitude 1123 mv

A-Weight Slow	LMin	L10	L90	Leq
	<30	44	<30	40.0



Start January 18, 2022 00:00:05
Finish January 18, 2022 22:23:44
Number of Intervals/Interval 1343.65/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 3.mmb
Operator Operator

Serial Number UM13416
Model Number Micromate ISEE 10.90FB
Battery Level 3.8 volts
Unit Calibration August 24, 2021 by InstanTel
Event File Name UM13416_20220118000005.IDFH
USB Sensor Support Disabled

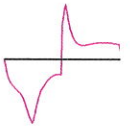
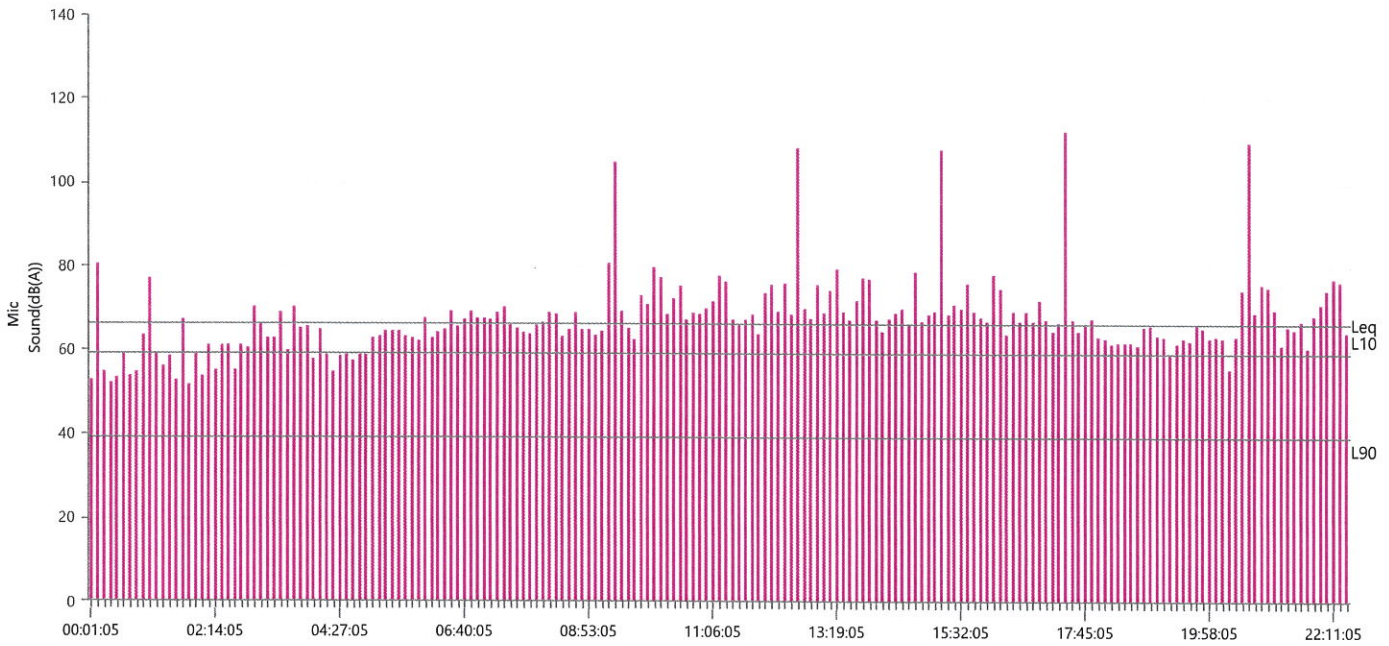
Notes
Location Noise 3
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.490958 W98.213495

Post Event Notes No text to be displayed.

Sound Level Microphone **A-Weight Slow**
LMax 112.3 dB(A)
Date Jan 18, 2022
Time 17:25:05
LMin **L10** **L90** **Leq**
 <30 59 39 66.2
Sensor Check ✔ Passed
Test Amplitude 1071 mv

Sensor Check



✔ Passed

Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Long at January 18, 2022 10:46:27
 Geo 0.0200 in/s, Mic 0.01029 psi
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 1.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM8173
 Micromate ISEE 10.90FB
 3.8 volts
 September 2, 2021 by InstanTel
 UM8173_20220118104627.IDFW
 Disabled

Notes

Location Station 1
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

Extended Note N30.49572 W98.21577

Post Event Notes No text to be displayed.

Geophone

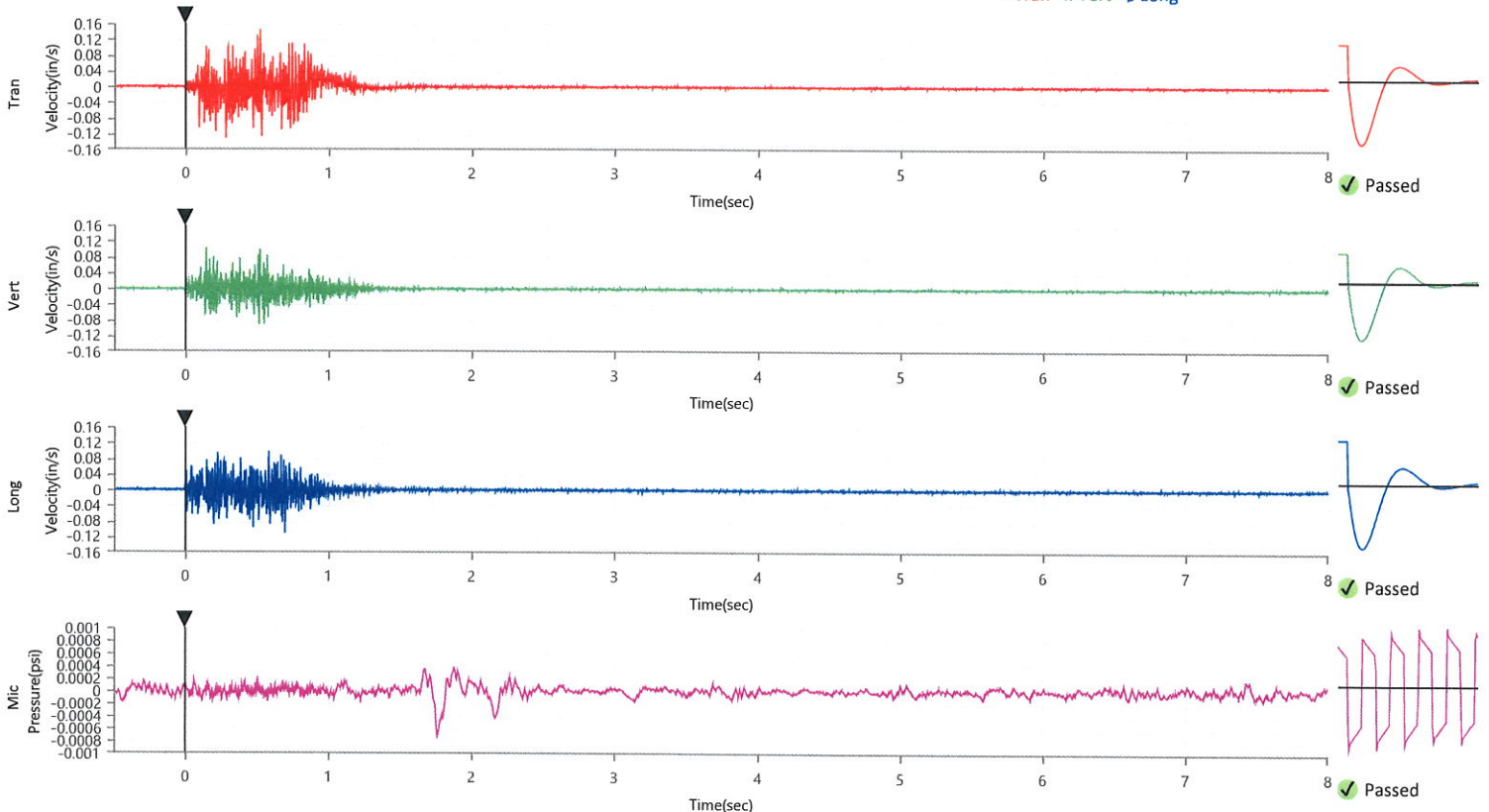
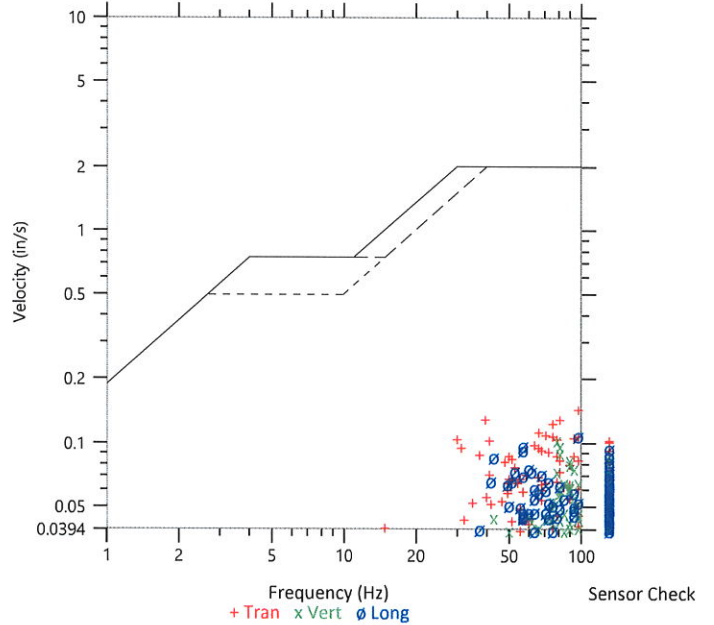
	Tran	Vert	Long
Peak Particle Velocity	0.1452 in/s	0.1043 in/s	0.1098 in/s
Zero Crossing Frequency	97.5 Hz	78.8 Hz	97.5 Hz
Time (Relative to Trigger)	0.520 sec	0.141 sec	0.697 sec
Peak Acceleration	0.211 g	0.138 g	0.201 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.1	3.4	3.7

Peak Vector Sum 0.1726 in/s at 0.520 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000731 psi
 Peak Sound Pressure Level 108.0 dB(L)
 Time (Relative to Trigger) 1.760 sec
 Zero Crossing Frequency 5.3 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1481 mv

USBM RI8507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
 Trigger Level(s)
 Pre-Trigger/Record Time
 Sample Rate
 Setup File Name
 Operator

Tran at January 18, 2022 10:46:27
 Geo 0.0200 in/s, Mic 0.01029 psi
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 2.mmb
 Operator

Serial Number
 Model Number
 Battery Level
 Unit Calibration
 Event File Name
 USB Sensor Support

UM9068
 Micromate ISEE 10.90FB
 3.8 volts
 December 2, 2021 by Instantel
 UM9068_20220118104627.IDFW
 Disabled

Notes

Location Station 2
 Client Spicewood Crushed Stone
 Company Hwy 71
 General Notes IGS, Inc

Extended Note N30.49650 W21572

Post Event Notes No text to be displayed.

Geophone

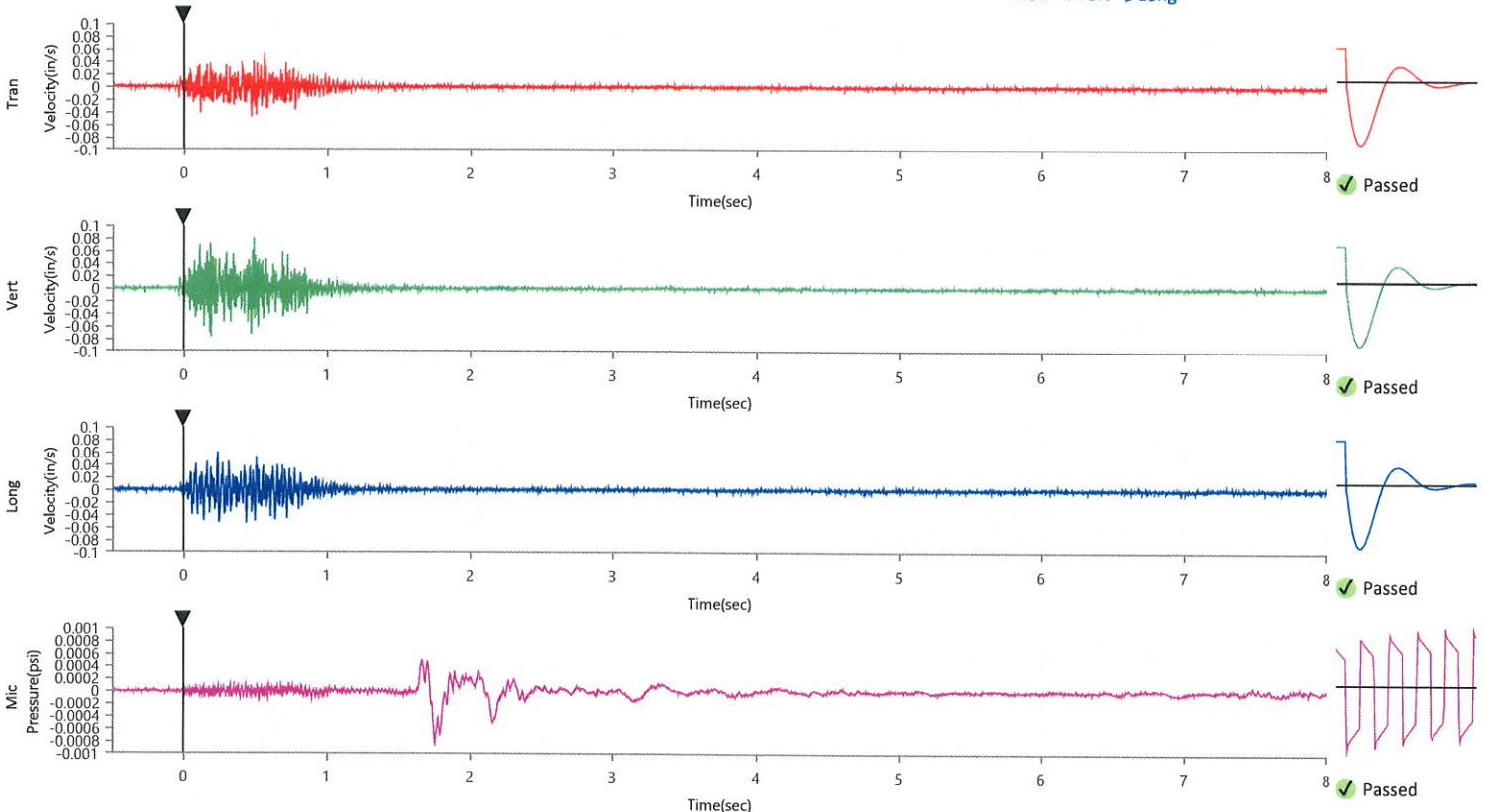
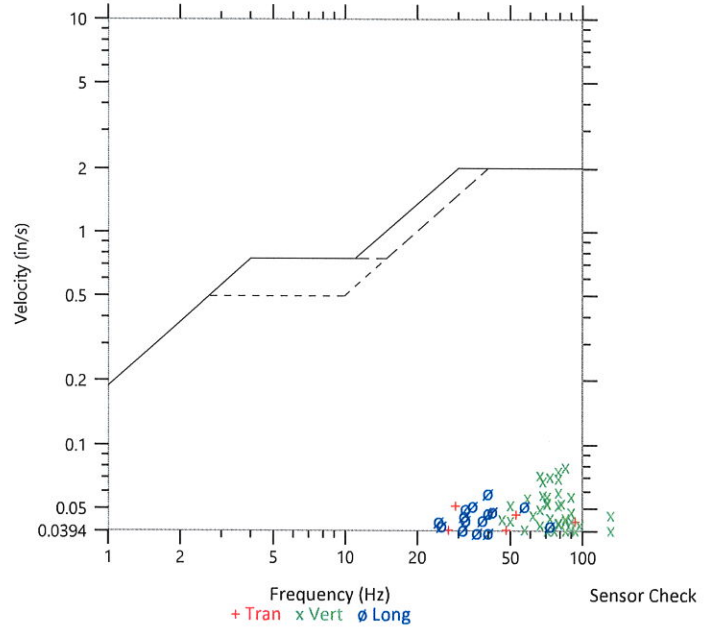
	Tran	Vert	Long
Peak Particle Velocity	0.0524 in/s	0.0807 in/s	0.0602 in/s
Zero Crossing Frequency	29.3 Hz	81.9 Hz	40.2 Hz
Time (Relative to Trigger)	0.562 sec	0.490 sec	0.237 sec
Peak Acceleration	0.069 g	0.122 g	0.079 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	4.2	3.9	3.6

Peak Vector Sum 0.0863 in/s at 0.471 sec

ISEE Linear Microphone

Peak Sound Pressure Level	0.000842 psi
Peak Sound Pressure Level	109.3 dB(L)
Time (Relative to Trigger)	1.755 sec
Zero Crossing Frequency	3.9 Hz
Sensor Check	✓ Passed
Frequency	19.7 Hz
Test Amplitude	1456 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
 Trigger Level(s)
 Pre-Trigger/Record Time
 Sample Rate
 Setup File Name
 Operator

Tran at January 18, 2022 10:46:27
 Geo 0.0200 in/s, Mic 0.01029 psi
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 3.mmb
 Operator

Serial Number
 Model Number
 Battery Level
 Unit Calibration
 Event File Name
 USB Sensor Support

UM6460
 Micromate ISEE 10.90FB
 3.8 volts
 September 9, 2021 by InstanTel
 UM6460_20220118104627.IDFW
 Disabled

Notes

Location Station 3
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

Extended Note N30.49742 W98.21566

Post Event Notes No text to be displayed.

Geophone

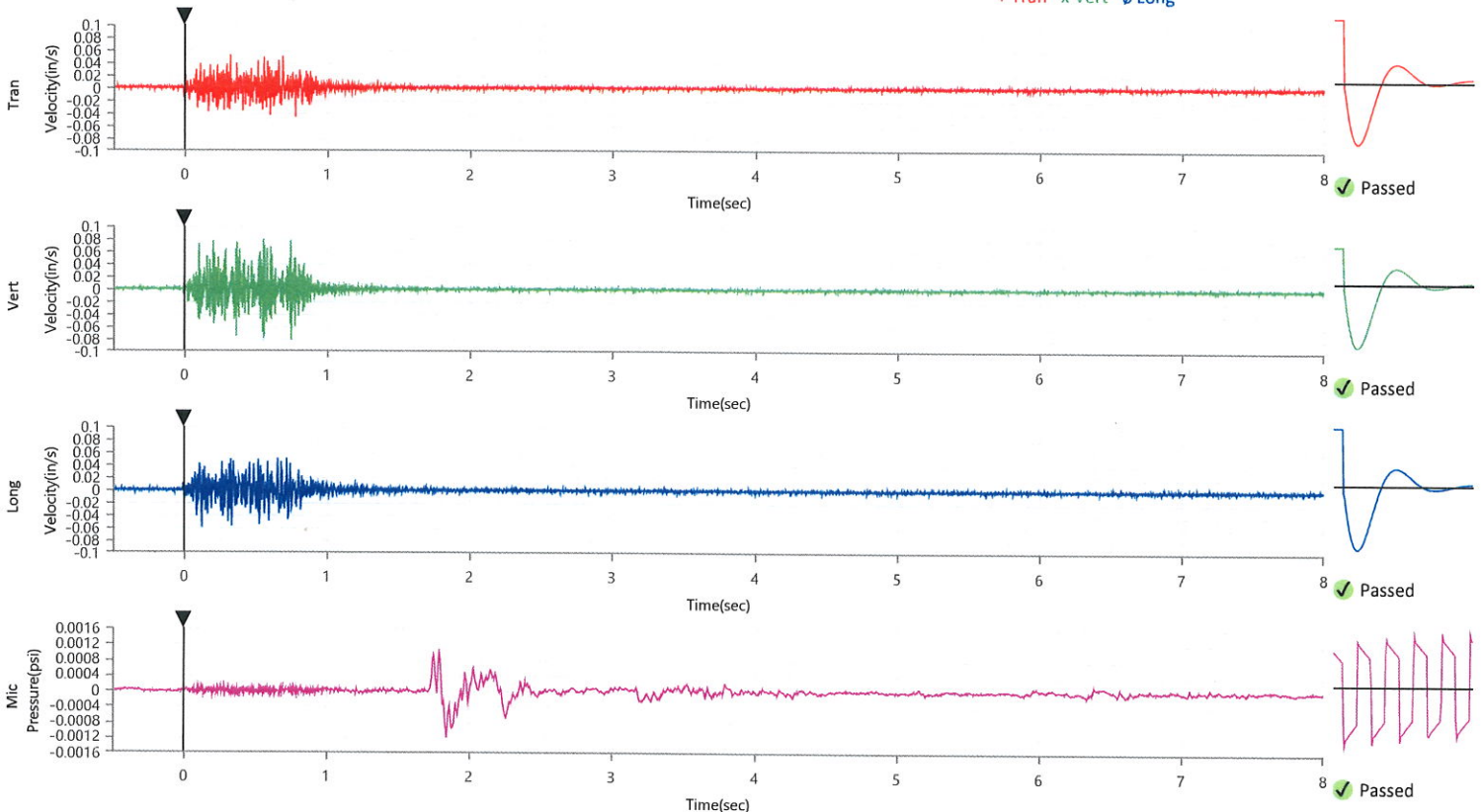
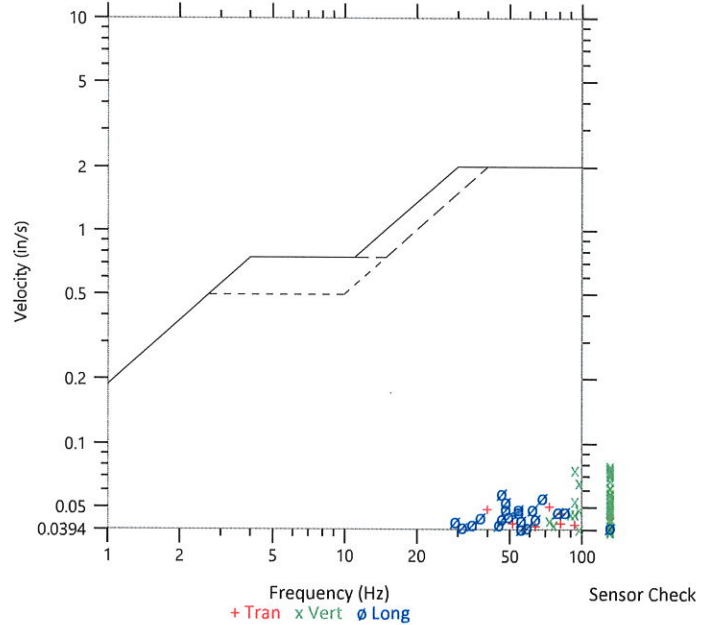
	Tran	Vert	Long
Peak Particle Velocity	0.0521 in/s	0.0813 in/s	0.0596 in/s
Zero Crossing Frequency	73.1 Hz	>100 Hz	45.5 Hz
Time (Relative to Trigger)	0.321 sec	0.747 sec	0.123 sec
Peak Acceleration	0.089 g	0.165 g	0.092 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.2	3.8	3.6

Peak Vector Sum 0.0847 in/s at 0.743 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001195 psi
 Peak Sound Pressure Level 112.3 dB(L)
 Time (Relative to Trigger) 1.839 sec
 Zero Crossing Frequency 3.8 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1357 mv

USBM RI8507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at January 18, 2022 10:46:27
 Geo 0.0200 in/s, Mic 0.01029 psi
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 4.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM7153
 Micromate ISEE 10.90FB
 3.8 volts
 September 16, 2021 by Instantel
 UM7153_20220118104627.IDFW
 Disabled

Notes

Location Station 4
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

Extended Note N30.49821 W98.21578

Post Event Notes No text to be displayed.

Geophone

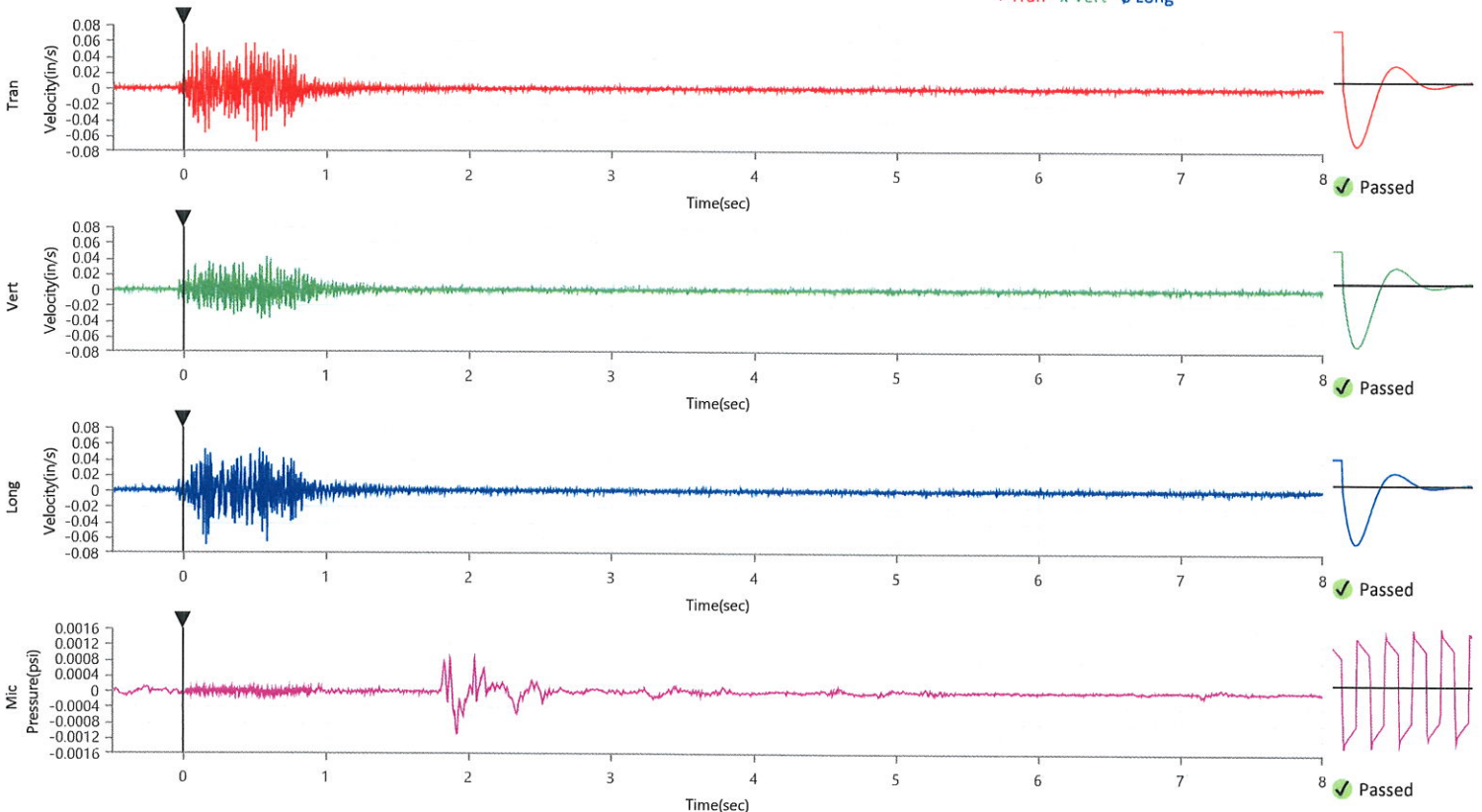
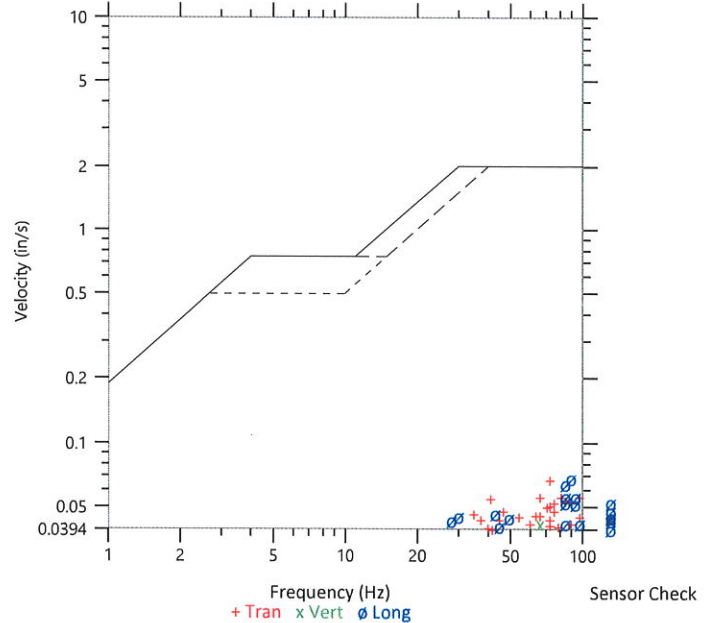
	Tran	Vert	Long
Peak Particle Velocity	0.0680 in/s	0.0422 in/s	0.0689 in/s
Zero Crossing Frequency	73.1 Hz	66.1 Hz	89.0 Hz
Time (Relative to Trigger)	0.509 sec	0.582 sec	0.159 sec
Peak Acceleration	0.092 g	0.082 g	0.105 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	3.7	3.8	4.7

Peak Vector Sum 0.0761 in/s at 0.554 sec

ISEE Linear Microphone

Peak Sound Pressure Level	0.001094 psi
Peak Sound Pressure Level	111.5 dB(L)
Time (Relative to Trigger)	1.915 sec
Zero Crossing Frequency	4.3 Hz
Sensor Check	✓ Passed
Frequency	19.7 Hz
Test Amplitude	1491 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
 Trigger Level(s)
 Pre-Trigger/Record Time
 Sample Rate
 Setup File Name
 Operator

Long at January 18, 2022 10:46:27
 Geo 0.0200 in/s, Mic 0.01029 psi
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 5.mmb
 Operator

Serial Number
 Model Number
 Battery Level
 Unit Calibration
 Event File Name
 USB Sensor Support

UM13415
 Micromate ISEE 10.90FB
 3.8 volts
 September 16, 2021 by InstanTEL
 UM13415_20220118104627.IDFW
 Disabled

Notes

Location Station 5
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

Extended Note N30.49911 W98.21538

Post Event Notes No text to be displayed.

Geophone

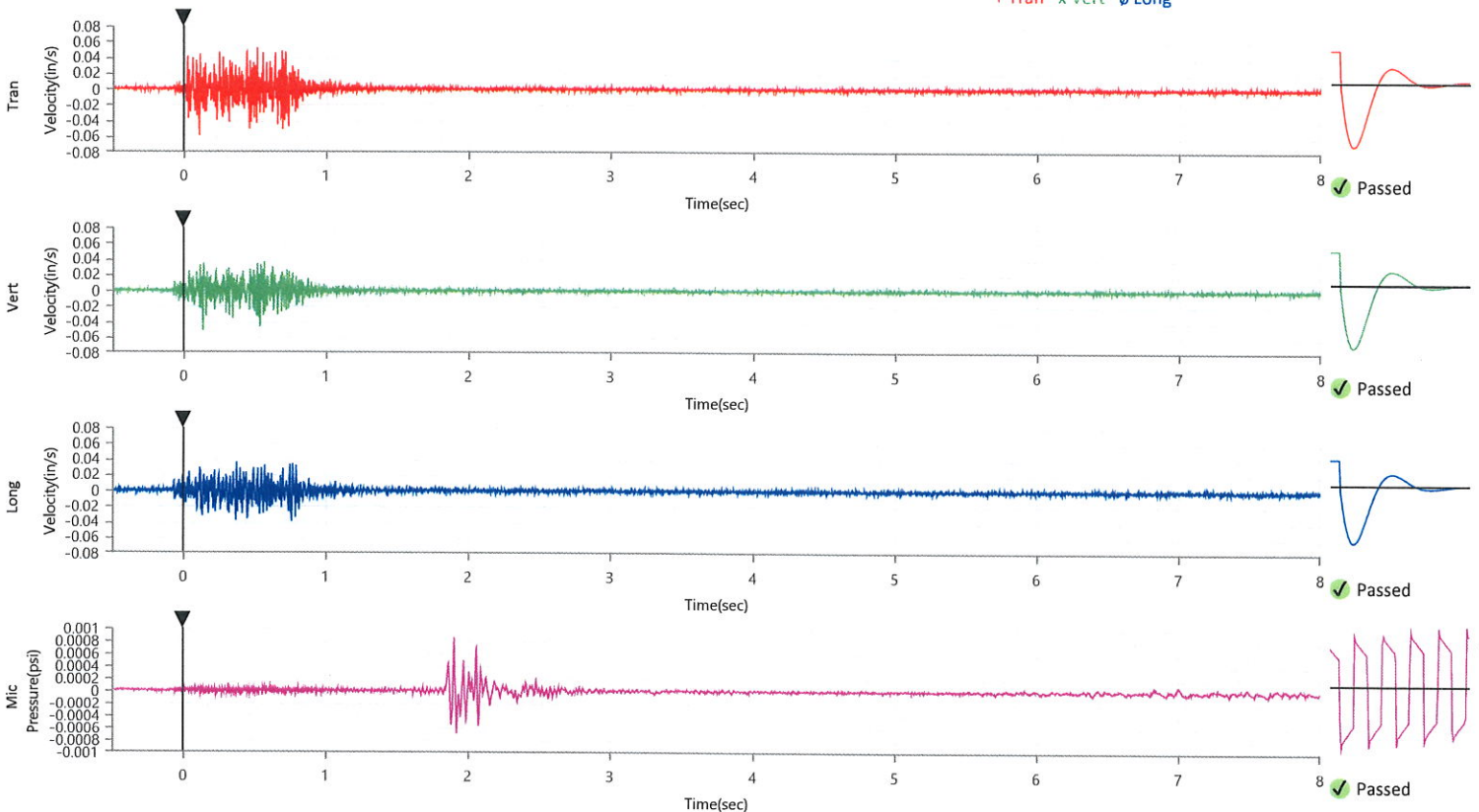
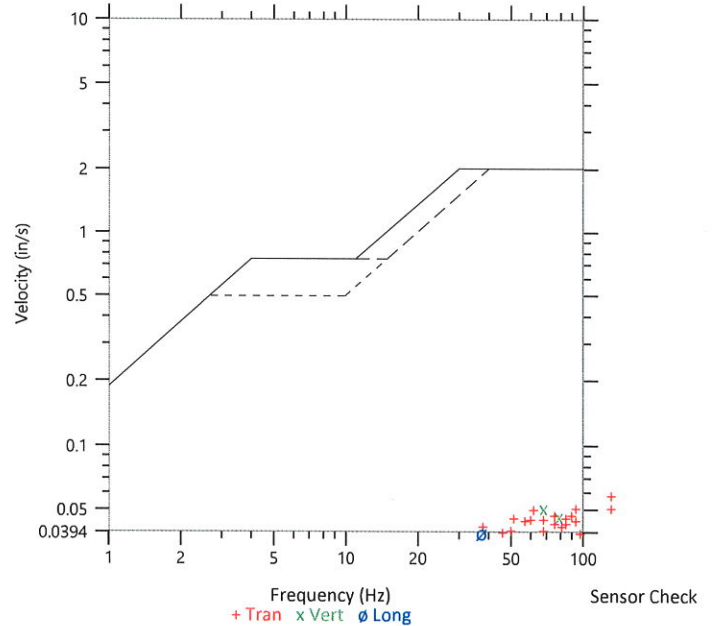
	Tran	Vert	Long
Peak Particle Velocity	0.0593 in/s	0.0515 in/s	0.0397 in/s
Zero Crossing Frequency	>100 Hz	68.3 Hz	37.2 Hz
Time (Relative to Trigger)	0.108 sec	0.134 sec	0.760 sec
Peak Acceleration	0.118 g	0.069 g	0.086 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.1	4.6	4.9

Peak Vector Sum 0.0625 in/s at 0.133 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000855 psi
 Peak Sound Pressure Level 109.4 dB(L)
 Time (Relative to Trigger) 1.902 sec
 Zero Crossing Frequency 28.8 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1476 mv

USBM RI8507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
 Trigger Level(s)
 Pre-Trigger/Record Time
 Sample Rate
 Setup File Name
 Operator

Tran at January 18, 2022 10:46:27
 Geo 0.0200 in/s, Mic 0.01029 psi
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 6.mmb
 Operator

Serial Number
 Model Number
 Battery Level
 Unit Calibration
 Event File Name
 USB Sensor Support

UM7453
 Micromate ISEE 10.90FB
 3.8 volts
 September 16, 2021 by InstanTEL
 UM7453_20220118104627.IDFW
 Disabled

Notes

Location Station 6
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

Extended Note N30.495113 W98.206539

Post Event Notes No text to be displayed.

Geophone

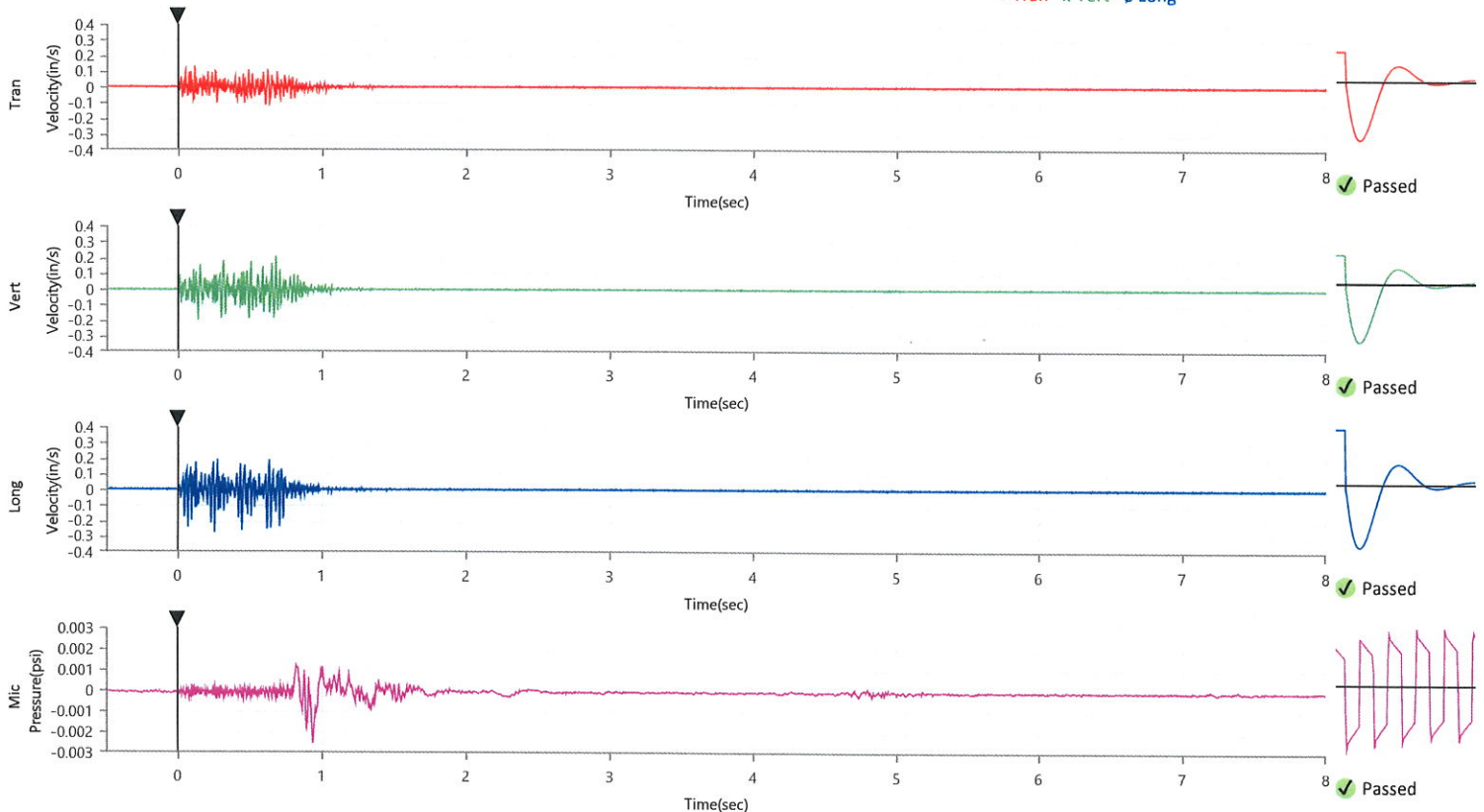
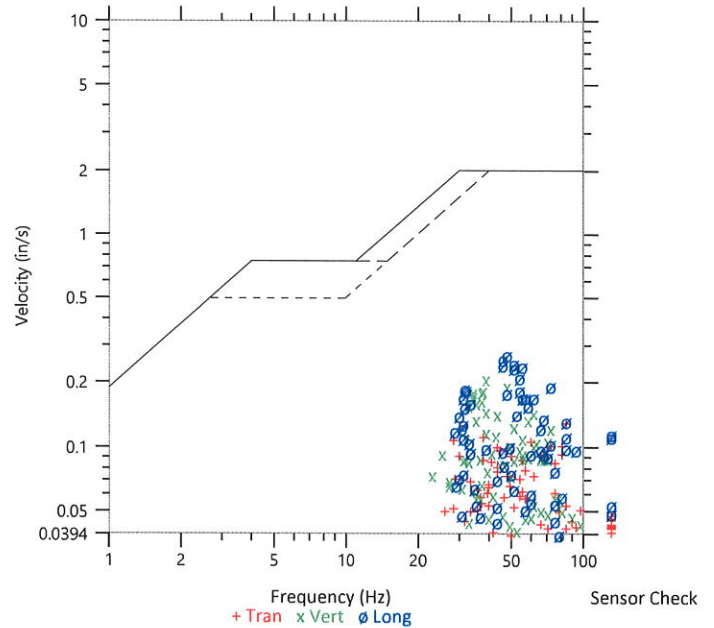
	Tran	Vert	Long
Peak Particle Velocity	0.1309 in/s	0.2110 in/s	0.2737 in/s
Zero Crossing Frequency	85.3 Hz	38.6 Hz	48.8 Hz
Time (Relative to Trigger)	0.112 sec	0.677 sec	0.253 sec
Peak Acceleration	0.197 g	0.178 g	0.240 g
Peak Displacement	0.000 in	0.001 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.7	3.7	3.1

Peak Vector Sum 0.2849 in/s at 0.253 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.002574 psi
 Peak Sound Pressure Level 119.0 dB(L)
 Time (Relative to Trigger) 0.937 sec
 Zero Crossing Frequency 7.7 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1470 mv

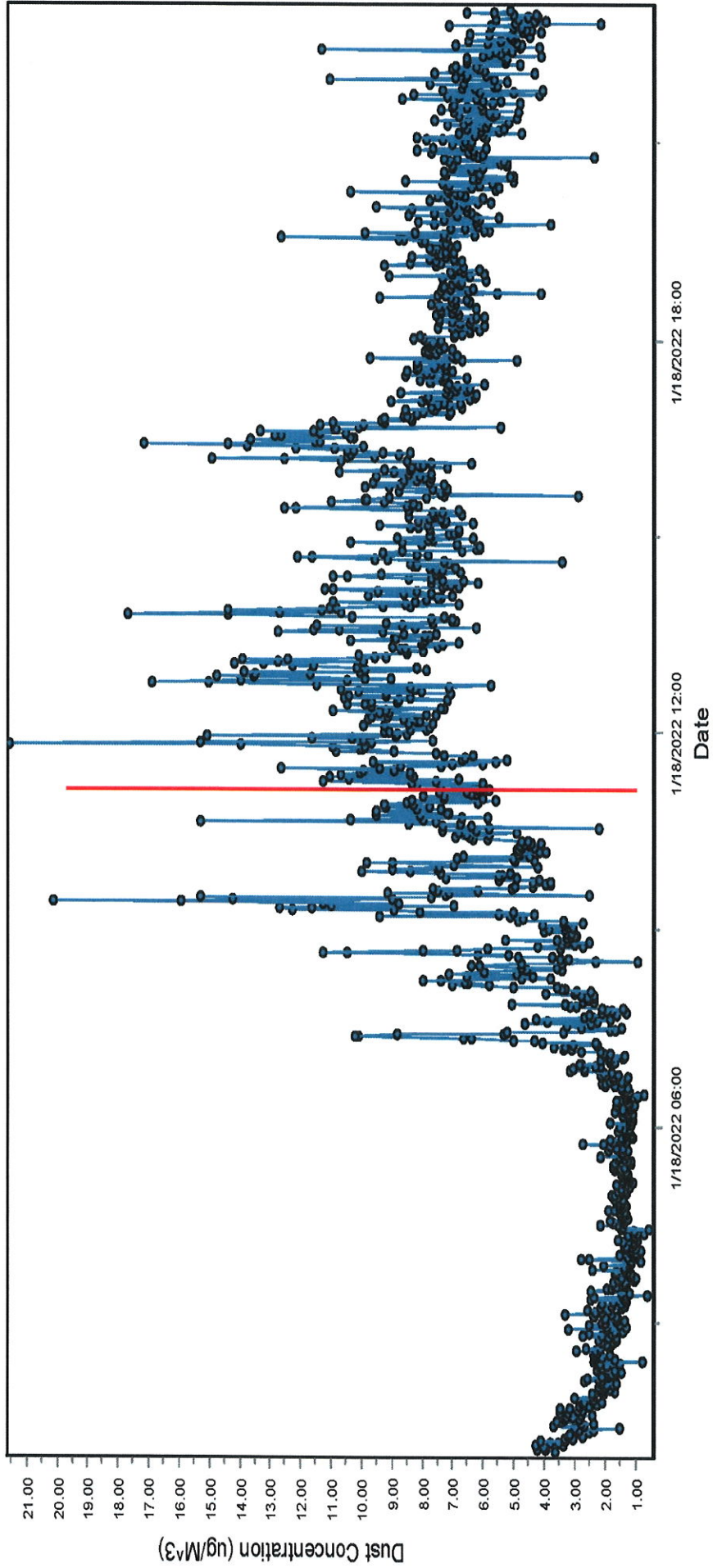
USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Spicewood Crushed Stone - Hwy 71 Quarry

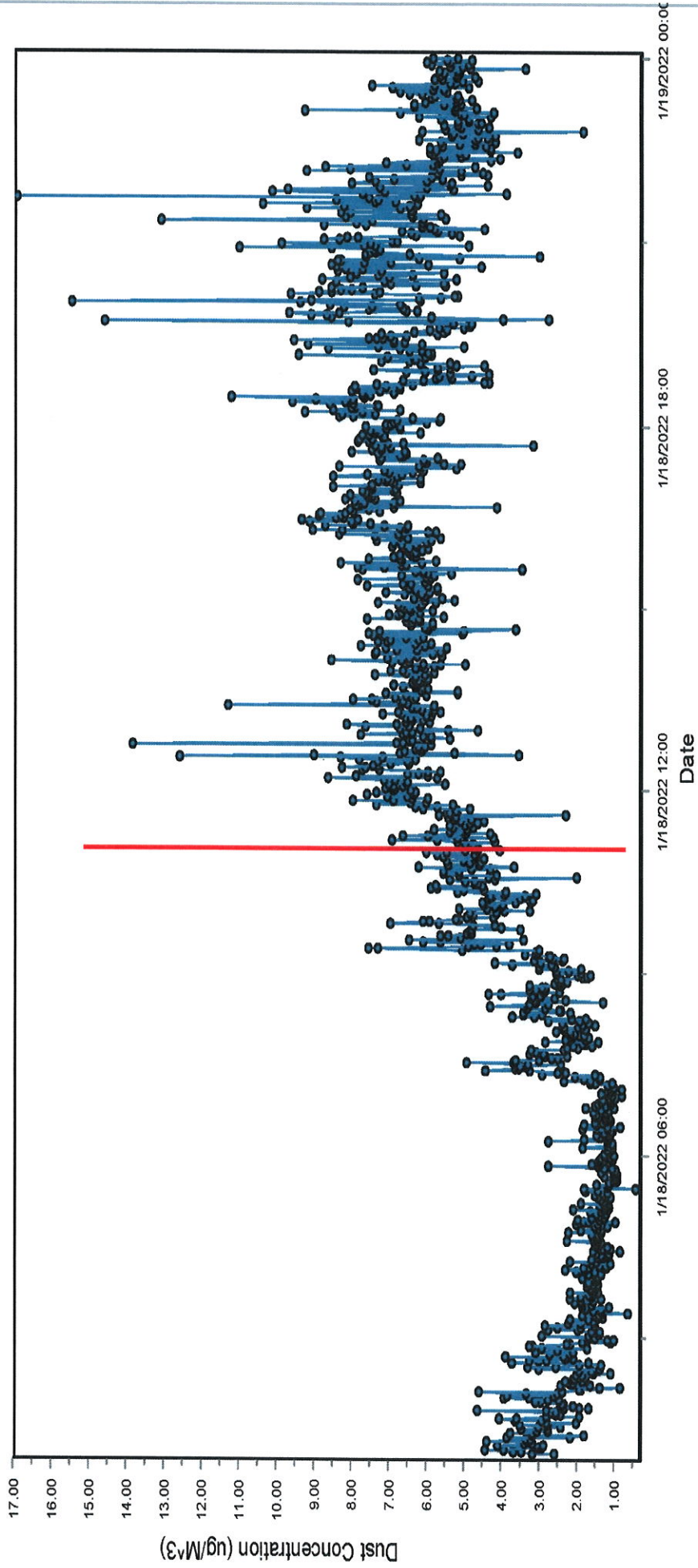
South Dust Monitor

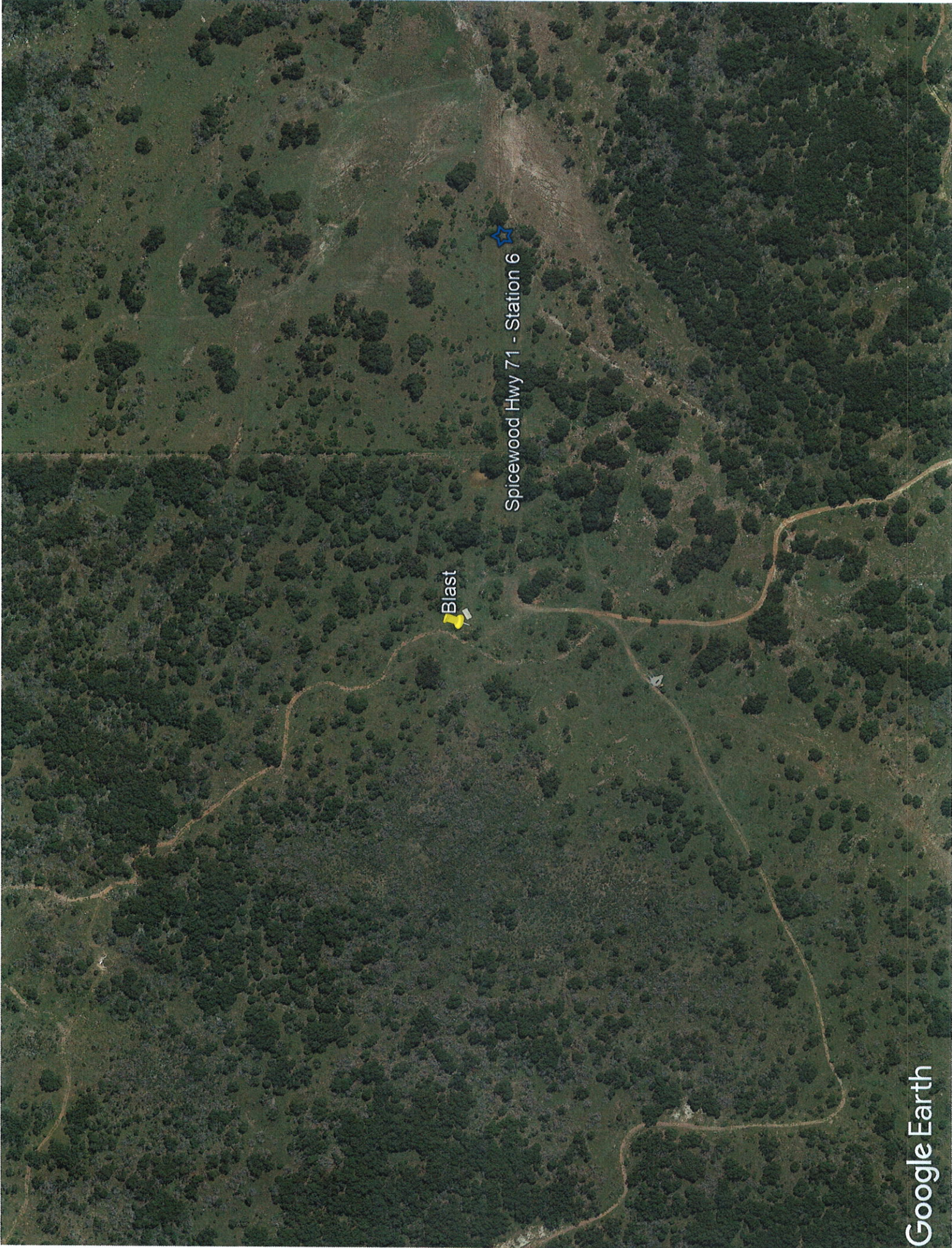
● D100@AvgPartL



Spicewood Crushed Stone - Hwy 71 Quarry
North Dust Monitor

● D100@AvgPartL





Blast

Spicewood Hwy 71 - Station 6