



GeoSonics Inc. Seismic Analysis

Velocity Waveform Analysis

Serial No: 11212 v10.27
Date: 06/03/2020 12:59:33 (UTC-4)
Event No: 280
Record Time: 5.0 s
Client: PJ Keating
Operation: Acushnet Quarry
Location: 166 Lawson Ave
Distance:
Operator: GeoSonics GSM
Comment: 18ft E of Shed
Seismic Trigger: 0.050 in/s
Sound Trigger: 125 db

	Summary Data		
	L	T	V
PPV (in/s)	0.050	0.090	0.045
FREQ (Hz)	21.7	22.7	55.6
PD (.001")	0.42	0.57	0.20
PPA (g)	0.039	0.033	0.033
Peak Vector Sum :	0.090 in/s		
Peak Air Pressure:	118 db		
	0.00263 PSI @ 5.9 Hz		

Additional Info:

j-GEO-24006
41 40 14, -70 54 04

Shaketable Calibrated: 06/30/2019

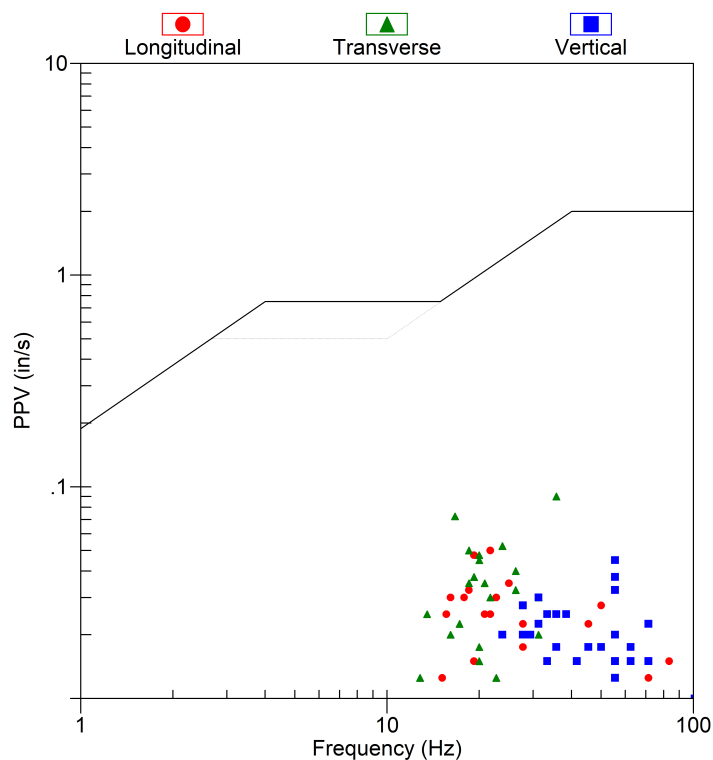
By: GeoSonics Inc.
359 Northgate Drive
Warrendale, PA 15086 U.S.A.
TEL: 724.934.2900 FAX: 724.934.2999

Velocity Waveform Graph Scale

Time Scale: 0.100 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0045 PSI

USBM Safe Blasting Levels

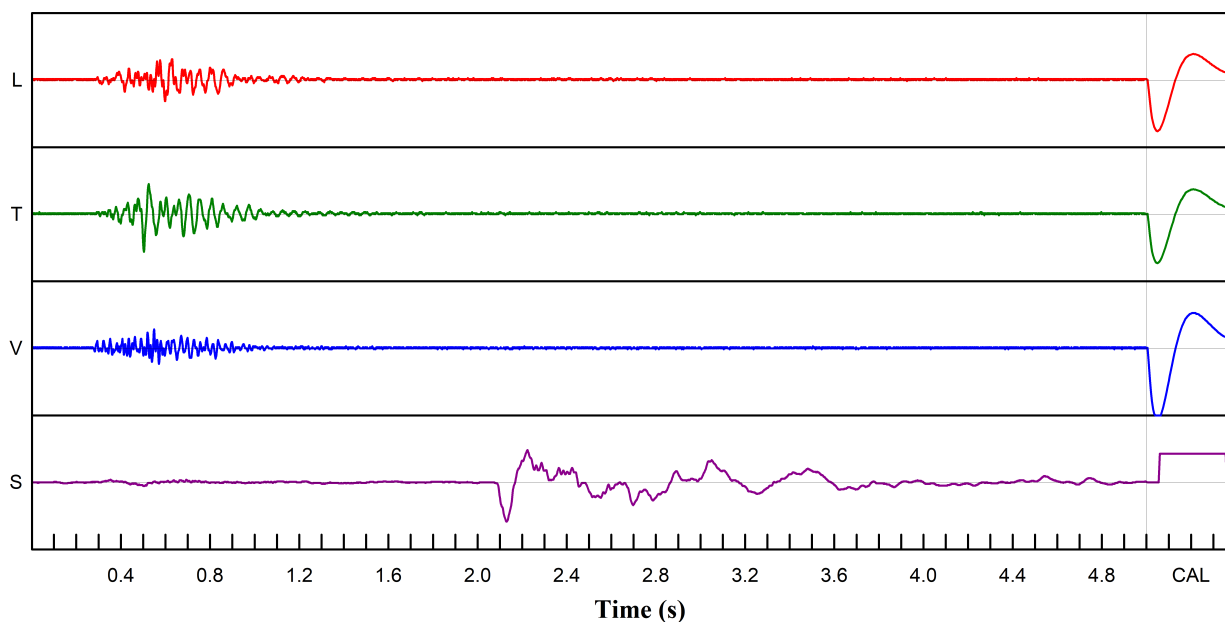
SN: 11212 Event: 280



Most Significant: 0.073 in/s 16.7 Hz 8.7%

Velocity Waveform

SN: 11212 Event: 280





GeoSonics Inc. Seismic Analysis

Velocity Waveform Analysis

Serial No: 11236 v10.27
Date: 06/03/2020 12:59:33 (UTC-4)
Event No: 97
Record Time: 5.0 s
Client: PJ Keating
Operation: Acushnet Quarry
Location: NE Property Line
Distance:
Operator: GeoSonics GSM
Comment: Acushnet, MA
Seismic Trigger: 0.050 in/s
Sound Trigger: 129 db

	Summary Data		
	L	T	V
PPV (in/s)	0.270	0.298	0.198
FREQ (Hz)	41.7	41.7	62.5
PD (.001")	1.32	1.17	0.65
PPA (g)	0.267	0.306	0.228
Peak Vector Sum :	0.383 in/s		
Peak Air Pressure:	124 db		
	0.00470 PSI @ 1.7 Hz		

Additional Info:

j-GEO-18700
41 40 40, -70 53 40

Shaketable Calibrated: 10/30/2019

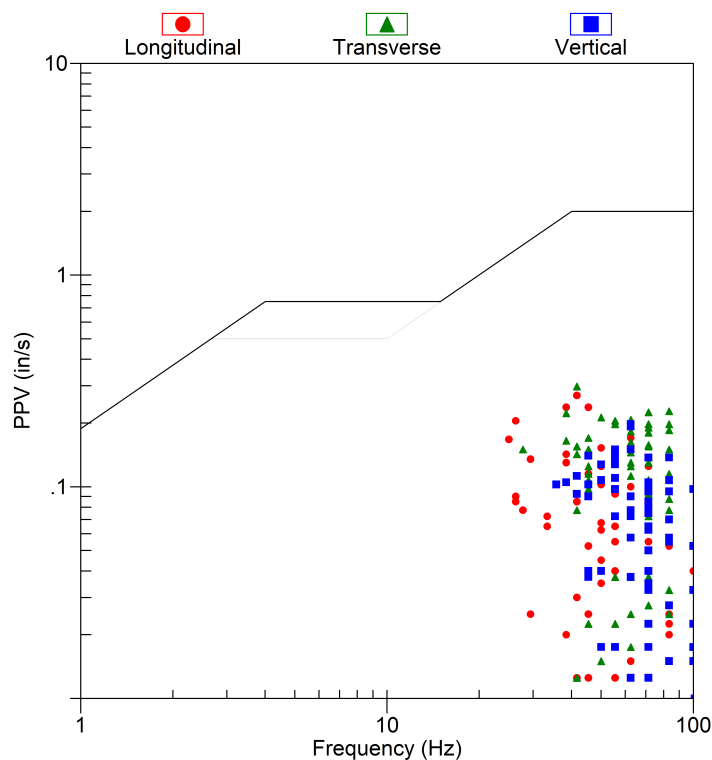
By: GeoSonics Inc.
359 Northgate Drive
Warrendale, PA 15086 U.S.A.
TEL: 724.934.2900 FAX: 724.934.2999

Velocity Waveform Graph Scale

Time Scale: 0.100 s
Seismic Scale: +/- 0.320 in/s
Sound Scale: +/- 0.0091 PSI

USBM Safe Blasting Levels

SN: 11236 Event: 97



Zero Crossing Half-Wave Frequency Analysis

Most Significant: 0.205 in/s 26.3 Hz 15.5%

Velocity Waveform

SN: 11236 Event: 97

