



GeoSonics Inc. Seismic Analysis

Velocity Waveform Analysis

Serial No: 11213 v10.27
Date: 12/10/2019 13:34:42 (UTC-5)
Event No: 28
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: 125 db

USBM Safe Blasting Levels

SN: 11213 Event: 28

	Summary Data		
	L	T	V
PPV (in/s)	0.320	0.338	0.358
FREQ (Hz)	35.7	71.4	38.5
PD (.001")	1.22	1.14	1.32
PPA (g)	0.514	0.560	0.632
Peak Vector Sum :	0.418 in/s		
Peak Air Pressure:	121 db		
	0.00349 PSI @ 2.8 Hz		

Additional Info:

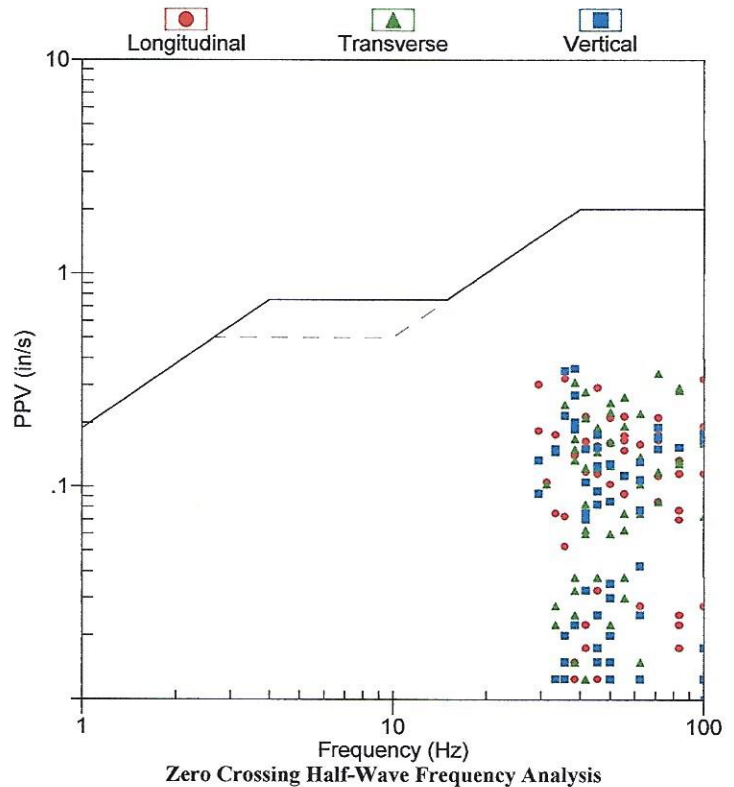
j-GEO-18700
 41 40 40, -70 53 40

Shaketable Calibrated: 01/22/2019

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

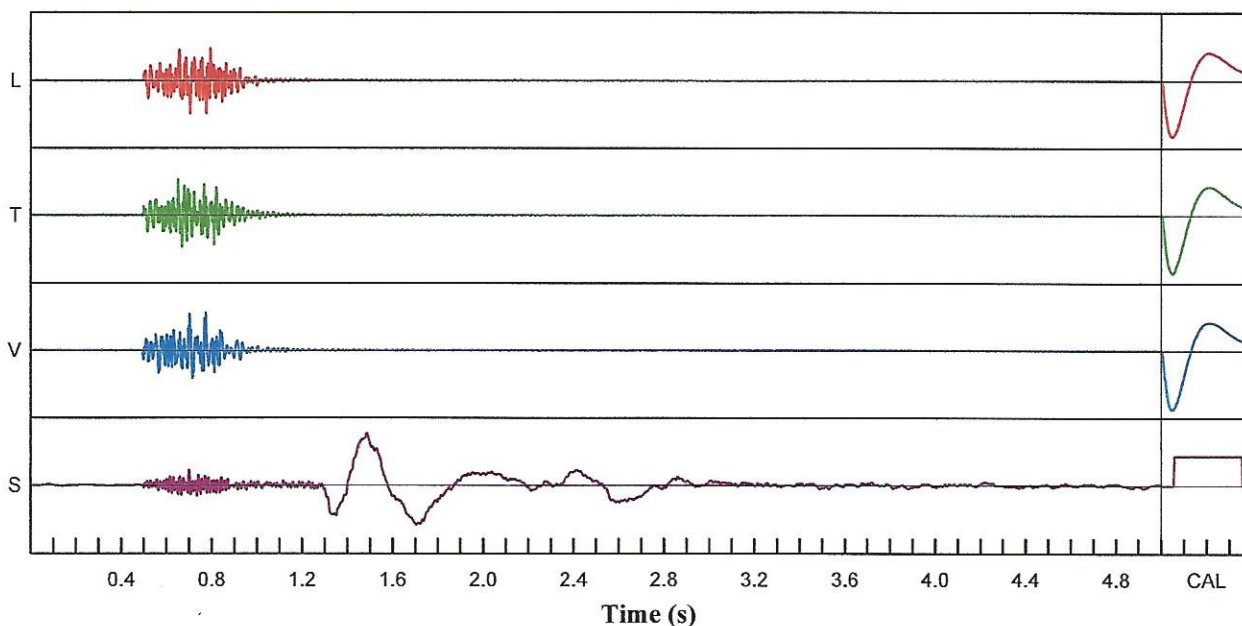
Velocity Waveform Graph Scale

Time Scale: 0.100 s
Seismic Scale: +/- 0.640 in/s
Sound Scale: +/- 0.0045 PSI



Velocity Waveform

SN: 11213 Event: 28





GeoSonics Inc. Seismic Analysis

Velocity Waveform Analysis

Serial No: 11212 v10.27
Date: 12/10/2019 13:34:46 (UTC-5)
Event No: 1
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)	0.048	0.073	0.033
FREQ (Hz)	26.3	16.7	38.5
PD (.001")	0.37	0.67	0.22
PPA (g)	0.026	0.033	0.026
Peak Vector Sum :	0.073 in/s		
Peak Air Pressure:	120 db		
	0.00310 PSI @ 3.4 Hz		

Additional Info:

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

Shaketable Calibrated: 06/30/2019

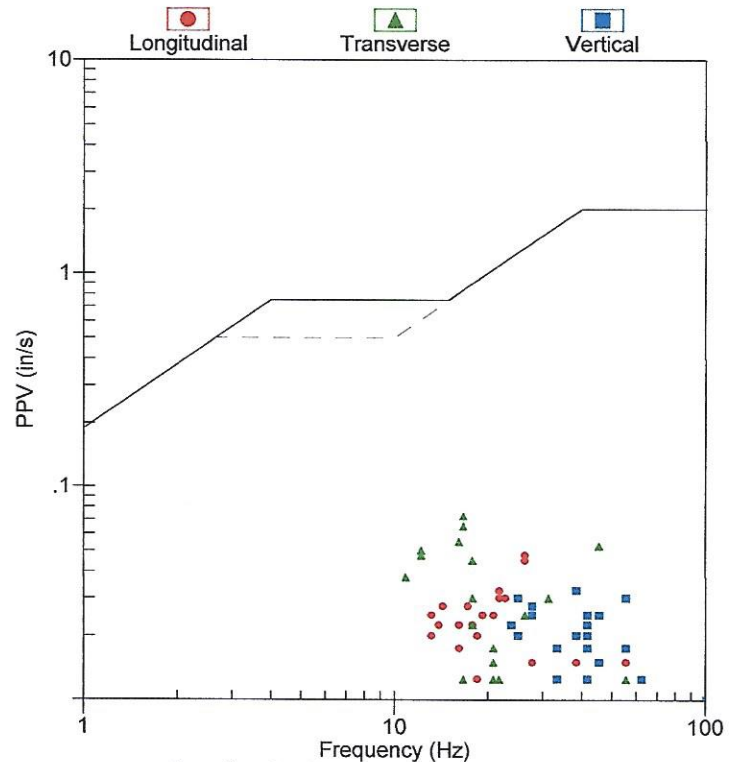
By: GeoSonics Inc.
359 Northgate Drive
Warrendale, PA 15086 U.S.A.
TEL: 724.934.2900 FAX: 724.934.2999

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: 1



Zero Crossing Half-Wave Frequency Analysis

Most Significant: 0.073 in/s 16.7 Hz 8.7%

Velocity Waveform

SN: 11212 Event: 1

