



GeoSonics Inc. Seismic Analysis

Velocity Waveform Analysis

Serial No: 11213 v10.27
Date: 11/26/2019 11:29:40 (UTC-5)
Event No: 26
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

	Summary Data		
	L	T	V
PPV (in/s)	0.263	0.273	0.340
FREQ (Hz)	100.0	27.8	71.4
PD (.001")	0.90	1.06	1.17
PPA (g)	0.352	0.443	0.475
Peak Vector Sum :	0.415 in/s		
Peak Air Pressure:	119 db		
	0.00281 PSI @ 2.3 Hz		

Additional Info:

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

Shaketable Calibrated: 01/22/2019

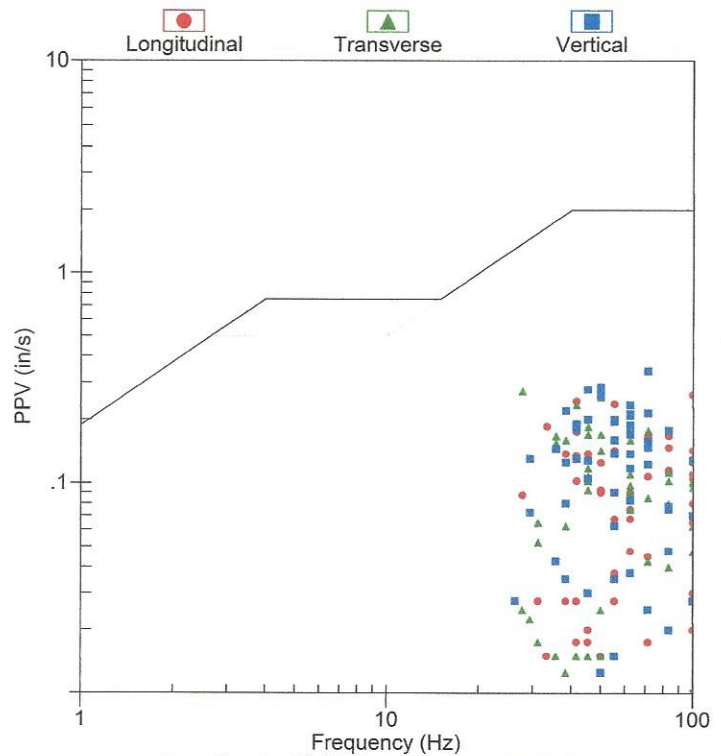
By: GeoSonics Inc.
359 Northgate Drive
Warrendale, PA 15086 U.S.A.
TEL: 724.934.2900 FAX: 724.934.2999

Velocity Waveform Graph Scale

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

USBM Safe Blasting Levels

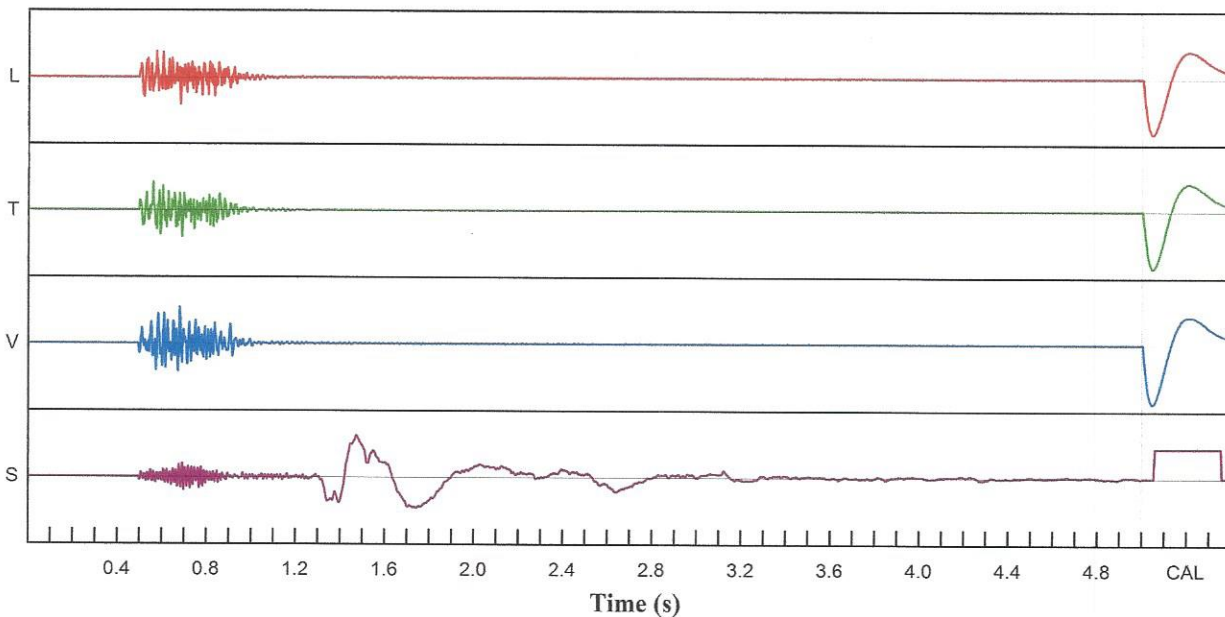
SN: 11213 Event: 26



Most Significant: 0.273 in/s 27.8 Hz 19.5%

Velocity Waveform

SN: 11213 Event: 26





GeoSonics Inc. Seismic Analysis

Velocity Waveform Analysis

Serial No: 11560 v10.27
 Date: 11/26/2019 11:29:40 (UTC-5)
 Event No: 46
 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)	0.055	0.065	0.030
FREQ (Hz)	25.0	17.9	21.7
PD (.001")	0.39	0.63	0.19
PPA (g)	0.033	0.033	0.020
Peak Vector Sum :	0.073 in/s		
Peak Air Pressure:	118 db		
	0.00253 PSI @ 8.3 Hz		

Additional Info:

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

Shaketable Calibrated: 07/01/2019

By: GeoSonics Inc.

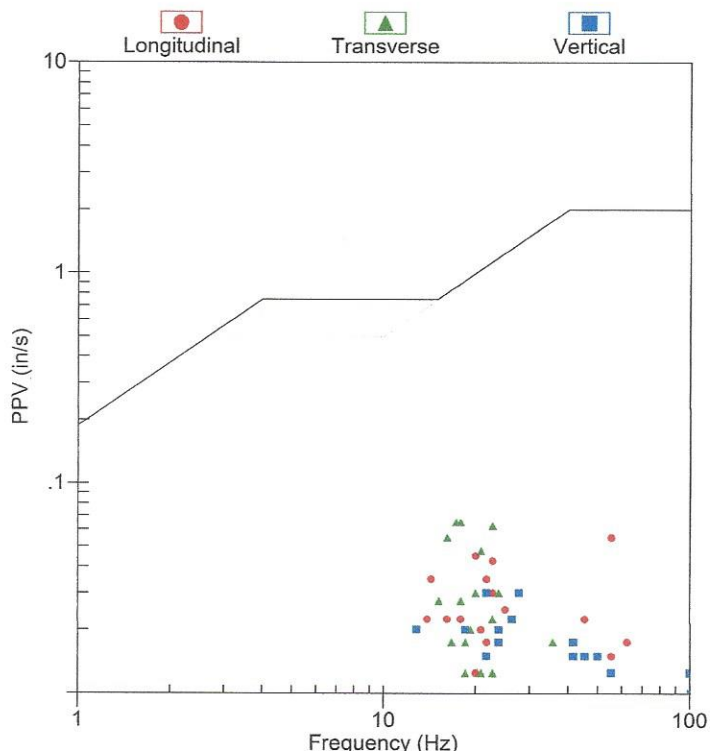
359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

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: 11560 Event: 46



Zero Crossing Half-Wave Frequency Analysis

Most Significant: 0.065 in/s 17.2 Hz 7.5%

Velocity Waveform

SN: 11560 Event: 46

