

# MASW Analysis for 1-D Shear-Velocity ( $V_s$ ) Profiling (Site #7)



## Sample Compact 1D MASW Report

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### **Disclaimer**

*Park Seismic LLC does not guarantee this report to be free from errors or inaccuracies and disclaims any responsibility or liability for decisions made based on the information provided in this report.*

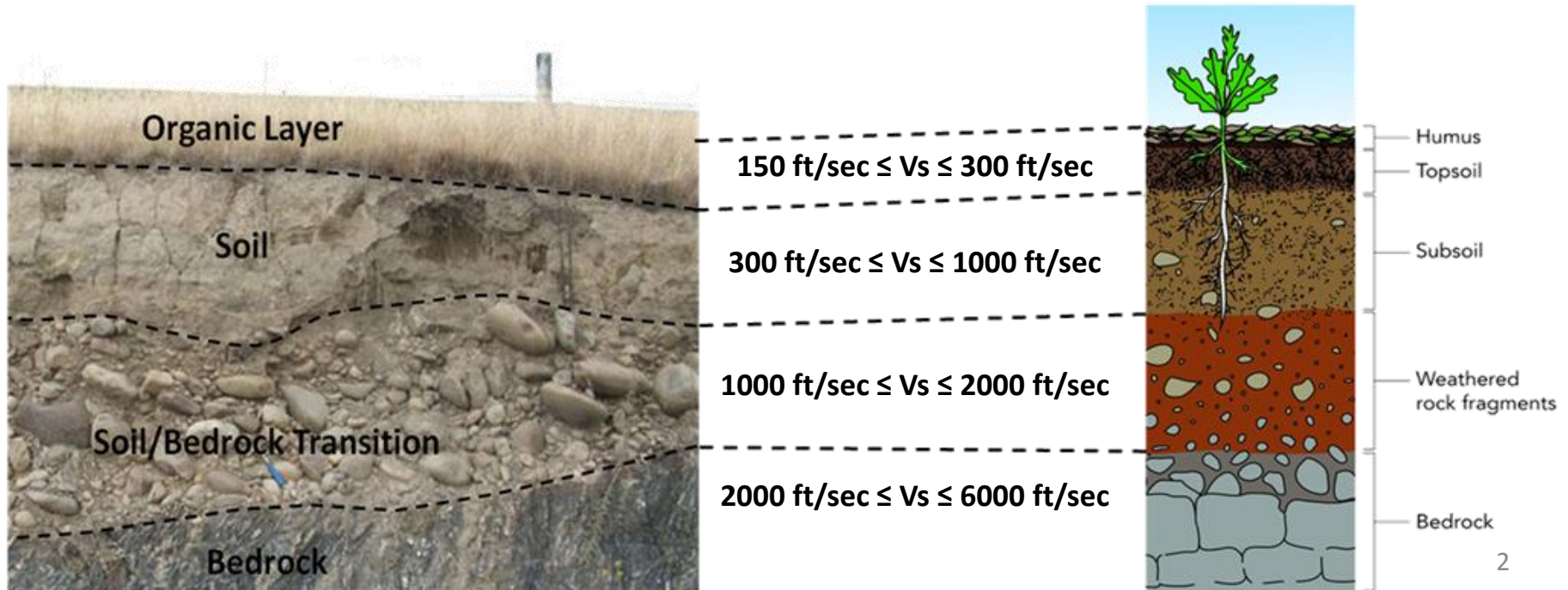
January 1, 2019

Report to

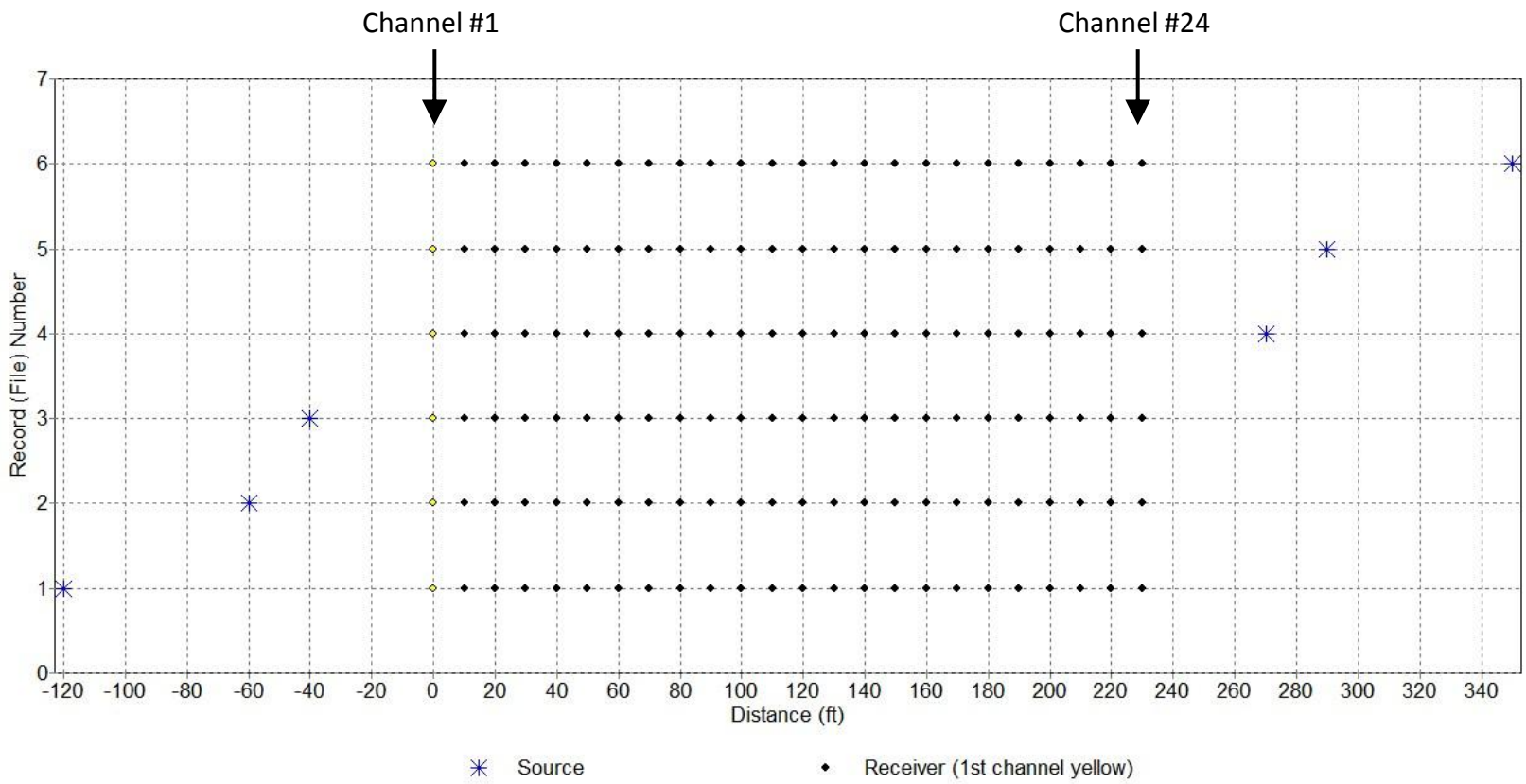
Anonymous Company

# Table of Typical Near-Surface Materials and “Approximate” Seismic Velocity ( $V_s$ )

- $V_s \leq 300$  ft/sec – “**extremely soft**” soil
- $300$  ft/sec  $\leq V_s \leq 600$  ft/sec – “**soft**” soil
- $600$  ft/sec  $\leq V_s \leq 1000$  ft/sec – “**stiff**” soil
- $1000$  ft/sec  $\leq V_s \leq 2000$  ft/sec – “**weathered**” zone
- $2000$  ft/sec  $\leq V_s$  – “**rock**”
- $3000$  ft/sec  $\leq V_s$  – “**competent**” rock

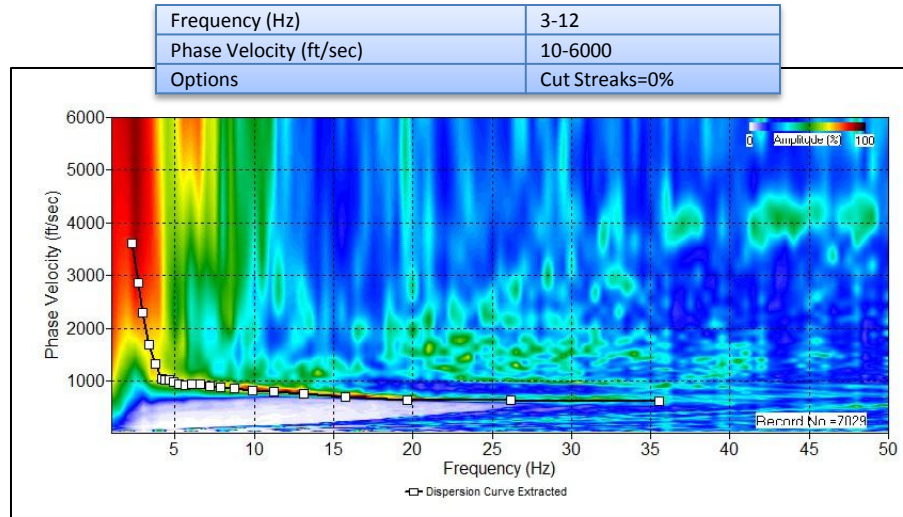


# Source/Receiver (SR) Setup (Site #7)

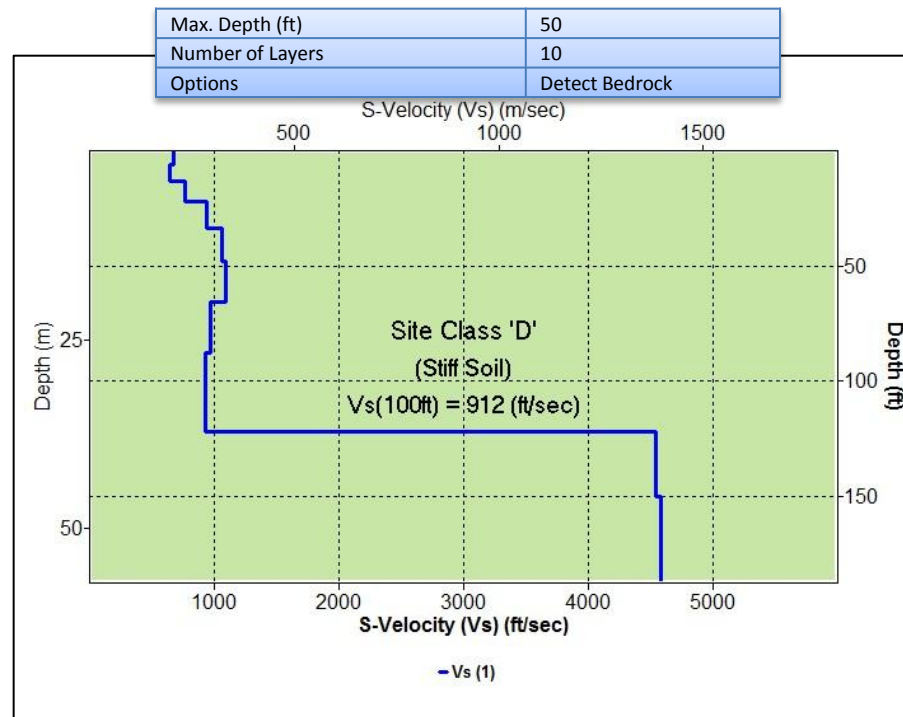


# 1-D Shear-Velocity (Vs) Profile (Site #7)

Dispersion



1-D  
Vs Profile



**Table of Vs Values**

No.	Depth (ft)	Final Vs (ft/sec)
1	5.813	<b>670.13</b>
2	13.08	<b>639.66</b>
3	22.164	<b>767.52</b>
4	33.518	<b>934.8</b>
5	47.711	<b>1064.14</b>
6	65.452	<b>1095.12</b>
7	87.629	<b>974.05</b>
8	122.07	<b>929.64</b>
9	150	<b>4537.46</b>
10	HS*	<b>4580.09</b>

\*HS: half space