

ParkSEIS® (PS) for MASW Data Analysis

ParkSEIS® (PS) AUTO (v. 3.0) includes a fully-automated ("one click") process to generate the 1D or 2D velocity (Vs) profile. It incorporates up-to-date algorithms for active, passive, and active/passive MASW surveys to produce

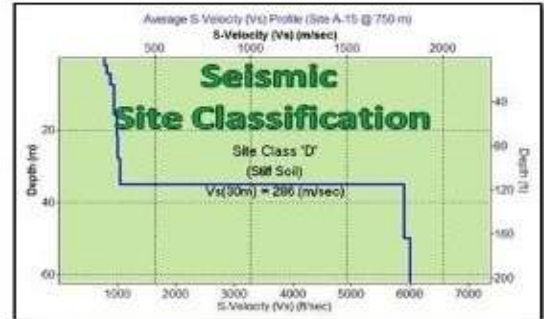
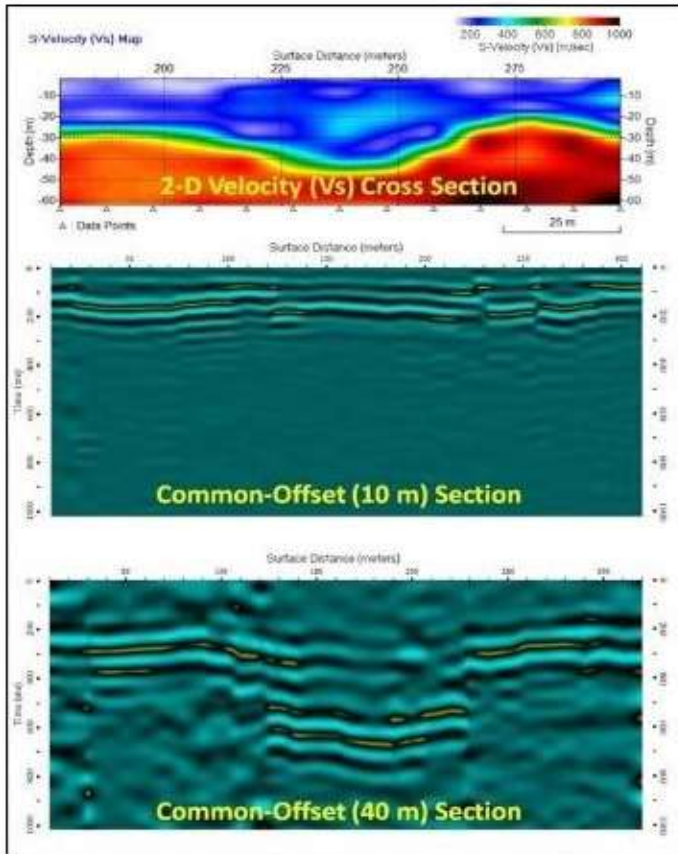
- shear-wave velocity (Vs) profiles (1-D, 2-D, and depth slice)
- back scattering analysis (BSA) for anomaly detection
- modeling MASW seismic records and dispersion curves

ParkSEIS® (PS) has been used to process data sets from hundreds of different sites and available for purchase and lease.

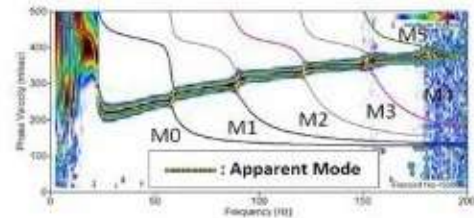
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Park Seismic
Geotechnical Seismic Investigation

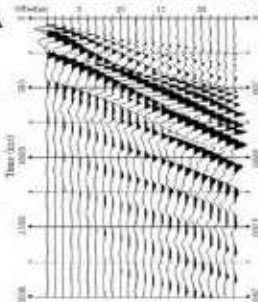


Dispersion (Curves and Image)



MODELING
Dispersion
&
Seismic

Seismic Record (24-Channel)



ParkSEIS© (PS) for Shear-Wave Velocity (V_s) Profiling

ParkSEIS© (PS) generates shear-wave velocity (V_s) profiles through a few steps of data analysis by using seismic data from MASW (and refraction) surveys. It can generate

- an average 1-D (depth) shear-wave velocity (V_s) profile from a small number of (for example, 3-10) field records,
- a 2-D V_s cross section from many (for example, 10-1000) field records,
- V_s profiles by using field records collected not only from MASW but also from refraction surveys, and
- shear and Young's modulus cross sections from the analyzed V_s cross section.

ParkSEIS© (PS) has been rigorously tested by processing data sets from hundreds of different sites under Windows XP, Vista, 7, and 8 operating systems with a minimum 1GB memory. It is available for purchase and lease.

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