

RESULTS winMASW Pro
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MEAN MODEL

VS (m/s): 236 381 342 778
Standard deviations (m/s): 5 17 12 18
Thickness (m): 2.9 4.9 7.9
Standard deviations (m): 0.1 0.2 0.4

Approximate values for Vp, density & elastic moduli
Vp (m/s): 491 793 712 1348
Density (gr/cm3): 1.88 2.00 1.97 2.13
Vp/Vs ratio: 2.08 2.08 2.08 1.73
Poisson: 0.35 0.35 0.35 0.25
Young modulus (MPa): 283 783 623 3218
Shear modulus (MPa): 105 290 231 1287
Lamé (MPa): 244 676 538 1290
Bulk modulus (MPa): 314 870 692 2148

Fundamental mode - Mean model

f(Hz)	VR(m/s)
6.59099	601.2133
7.46232	580.1106
8.7693	516.021
13.2711	339.1618
22.7105	310.5557
33.7472	273.8384
47.5432	236.2277
58.58	227.1883

BEST MODEL

Vs (m/s): 232.0884 389.1999 344.3739 773.655
thickness (m): 3 5 8
Approximate values for Vp, density & elastic moduli
Vp (m/s): 483 810 717 1340
Density (gr/cm3): 1.88 2.00 1.97 2.12
Vp/Vs ratio: 2.08 2.08 2.08 1.73
Poisson: 0.35 0.35 0.35 0.25
Young modulus (MPa): 273 818 631 3182
Shear modulus (MPa): 101 303 234 1273
Lamé (MPa): 236 708 547 1270
Bulk modulus (MPa): 303 910 703 2118

Fundamental mode - Best model

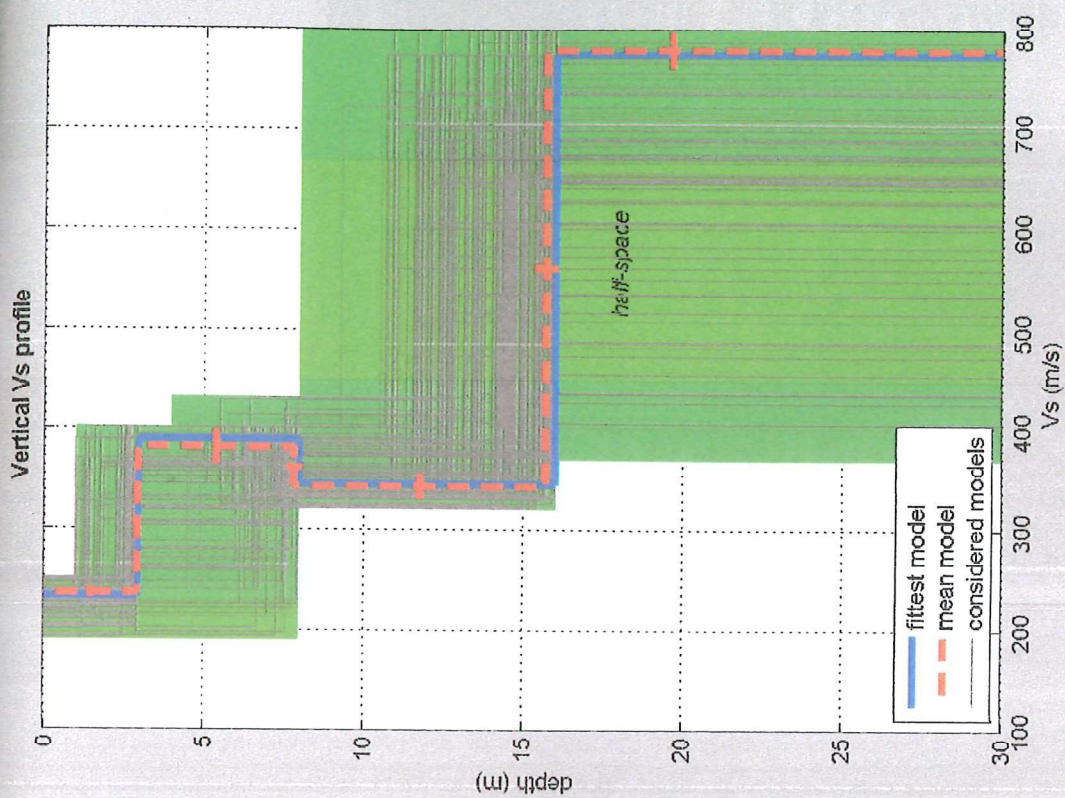
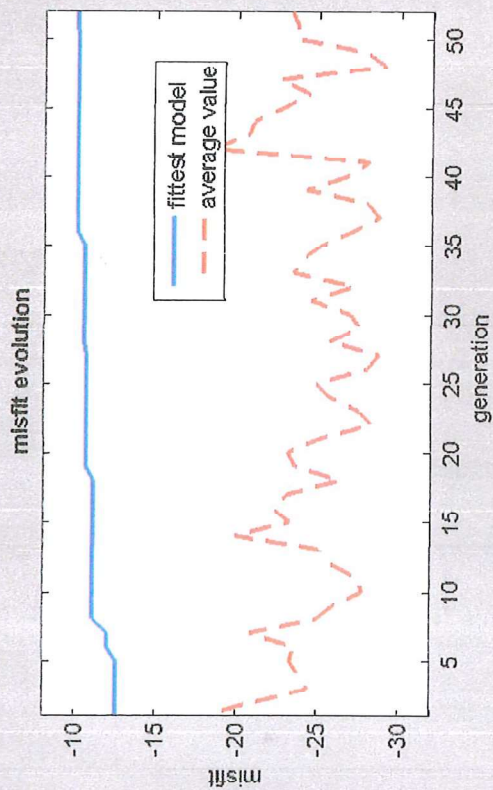
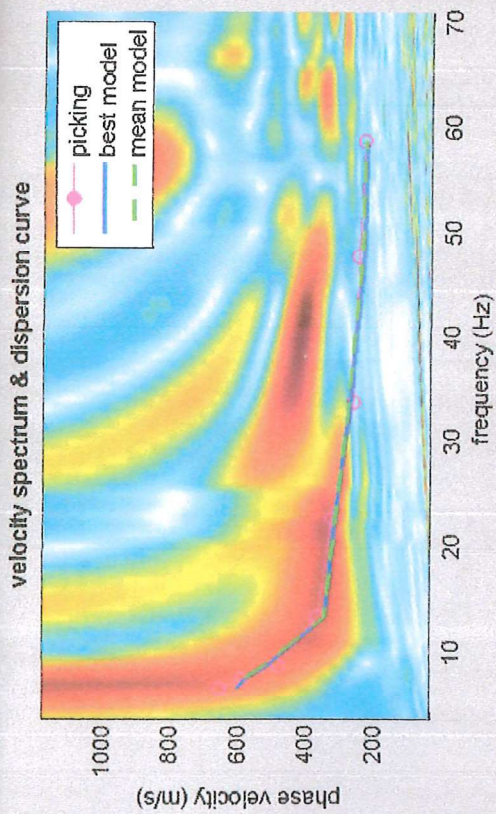
F(Hz)	VR(m/s)
6.59099	597.5686
7.46232	575.0059
8.7693	506.4987
13.2711	340.1965
22.7105	312.8456
33.7472	269.1148
47.5432	231.0411
58.58	222.7527

Maximum penetration depth according to the "Steady State Rayleigh Method": 39 m
Inversion quality: very good

VS5 (mean model): 280 m/s	VS5 (best model): 277 m/s
VS20 (mean model): 371 m/s	VS20 (best model): 369 m/s
VS30 (mean model): 450 m/s	VS30 (best model): 447 m/s

Possible Soil Type: B
(based on the mean model)

winMASW 4.2 Pro
Surface Wave Analysis
via MASW - Multichannel Analysis of Surface Waves
www.eliosoft.it



dataset: 10 metri.sgy
dispersion curve: picking 10 metri.cdp
VS30 (best model): 447 m/s
VS30 (mean model): 450 m/s