

Archeological investigations

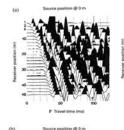
P-wave refraction lines

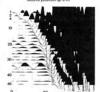
- Sledge hammer source
- 2m geophone spacing
- 50m lines reversed

S-wave refraction lines

- Rubber maul hammer striking horizontally on a vertical plate
- 2m horizontal geophone spacing

From Sharma: "The stand was orientated perpendicular to the seismic line, so the S-waves propagating along the line were horizontally polarized in the transverse direction for being detected by transversely orientated geophones."





S Tru

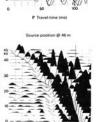


Fig. 4.53 Seismograms recorded on line 8 (see Fig. 4.54b) of the later survey at Vindobala Fort, (a) Forward and reverse Pwave records with 200 Hz low-pass filter: (b) Forward and reverse S-wave records with 100 Hz low-pass filter. P-wave records are distinctly better. (After Goulty and Hudion, 1994)

Applied Geophysics – Refraction III

