

Seismic refraction surveys in areas of tropical weathering and rugged topography: An example from a damsite investigation in Pahang, Malaysia

**C.A. FOSS, Dept. of Geology, University of Malaya, Kuala Lumpur &
K. PREAMAKANATHAN, Geomex Surveys, Angkasa Raya, Jalan Ampang, Kuala Lumpur**

The results and borehole correlations are described for a seismic refraction survey at a hydro-electric damsite in Pahang, Peninsular Malaysia. The area is composed of interbedded shales and well-cemented sandstones. In a temperate climate the major refractors would be lithologically controlled but in this tropical region the major refractors are at zones of change in degree of weathering which often cut across lithological boundaries. Along most of the survey lines two refractors were mapped using the Hawkins interpretation method, but in regions of irregular topography very sharp lateral changes in the velocity and depth of the surface zone caused uncertainty in positioning the deeper refractor.
