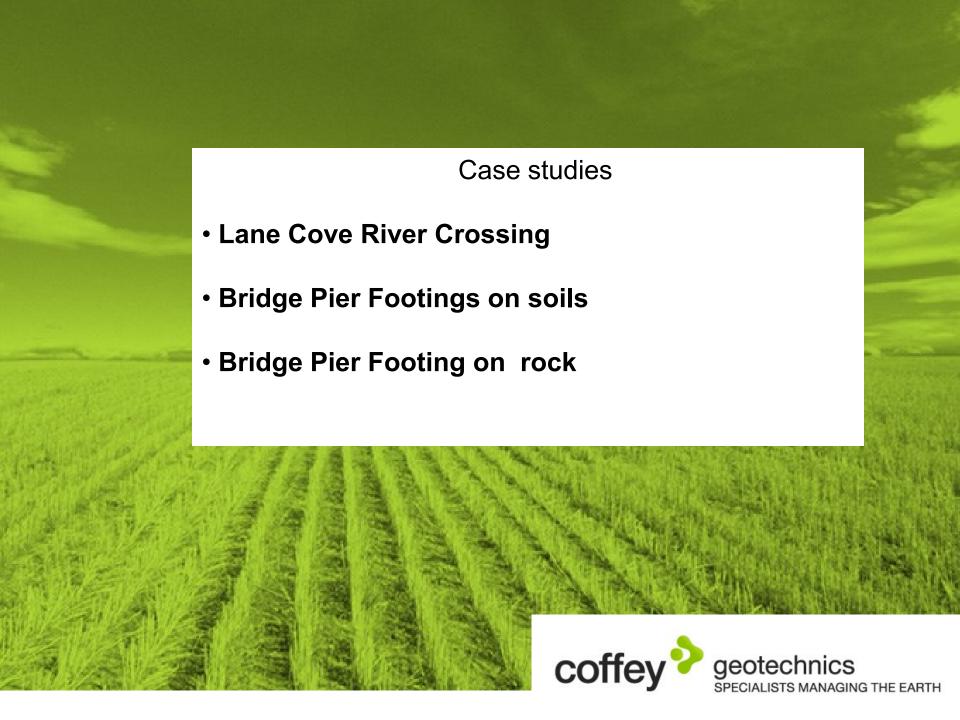
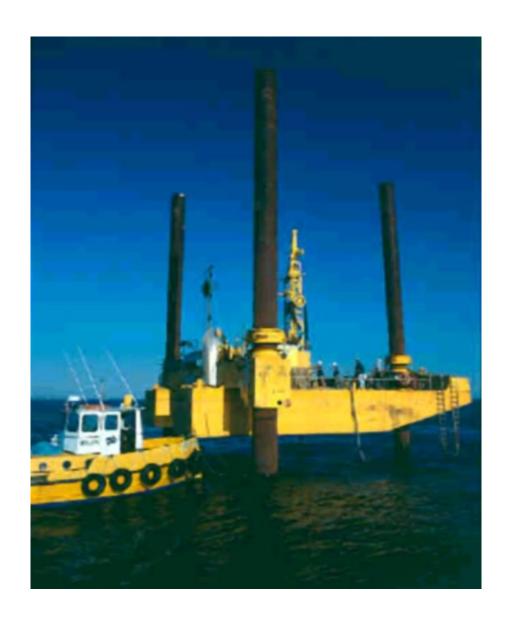
Geophysics Case Studies: River Crossings & Bridges



Prof. Bob Whiteley
Senior Principal





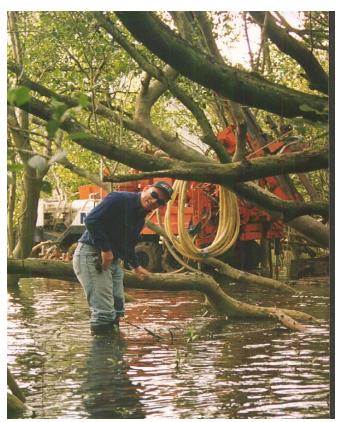
Overwater Drilling is expensive



Difficult Drilling Sites



When the tide comes up



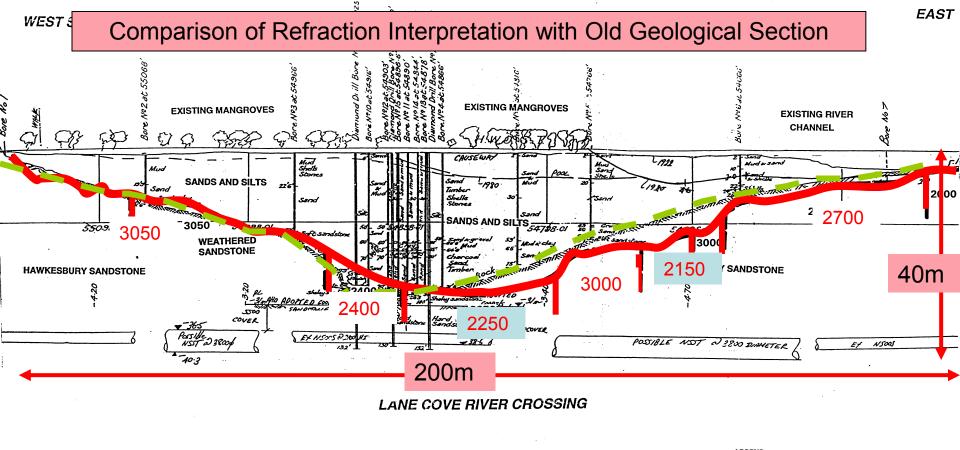




River Crossings

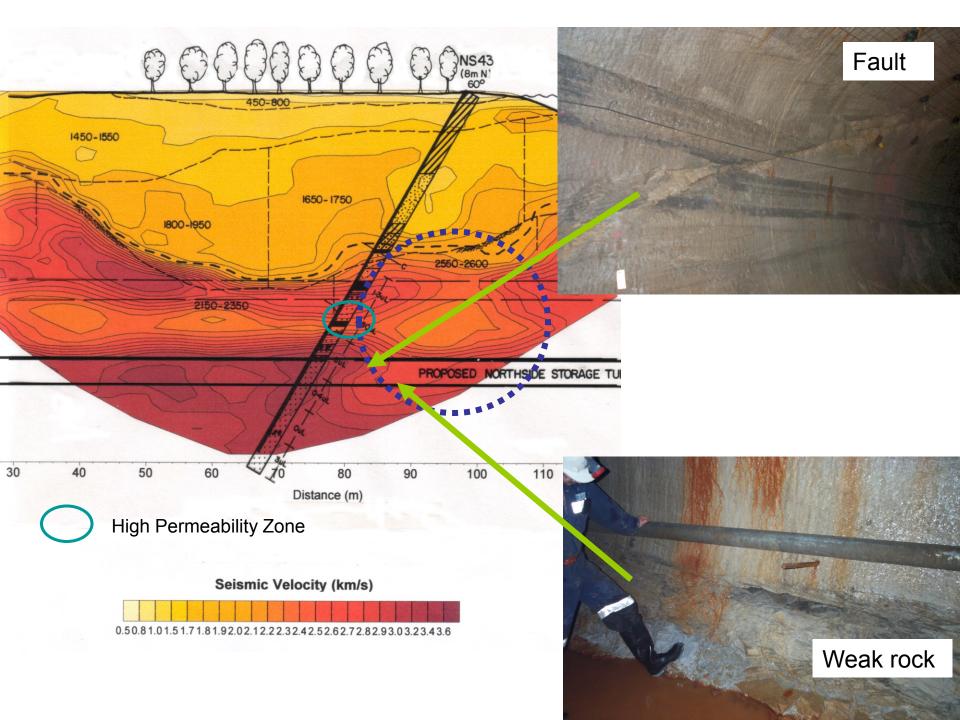
Static USR with enclosed hydrophone array & airgun sources

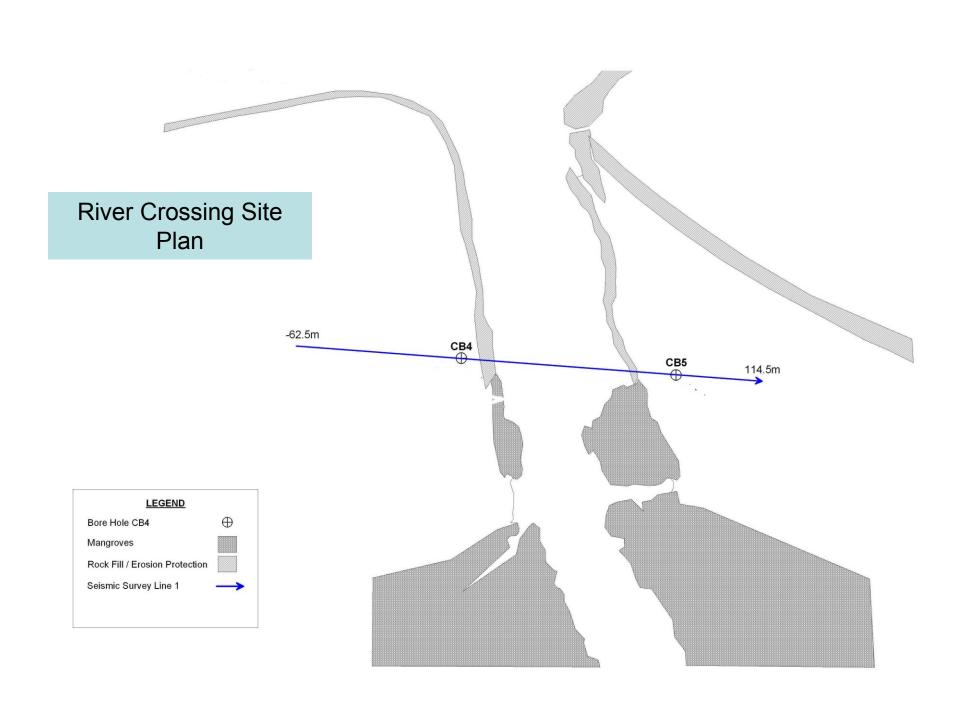


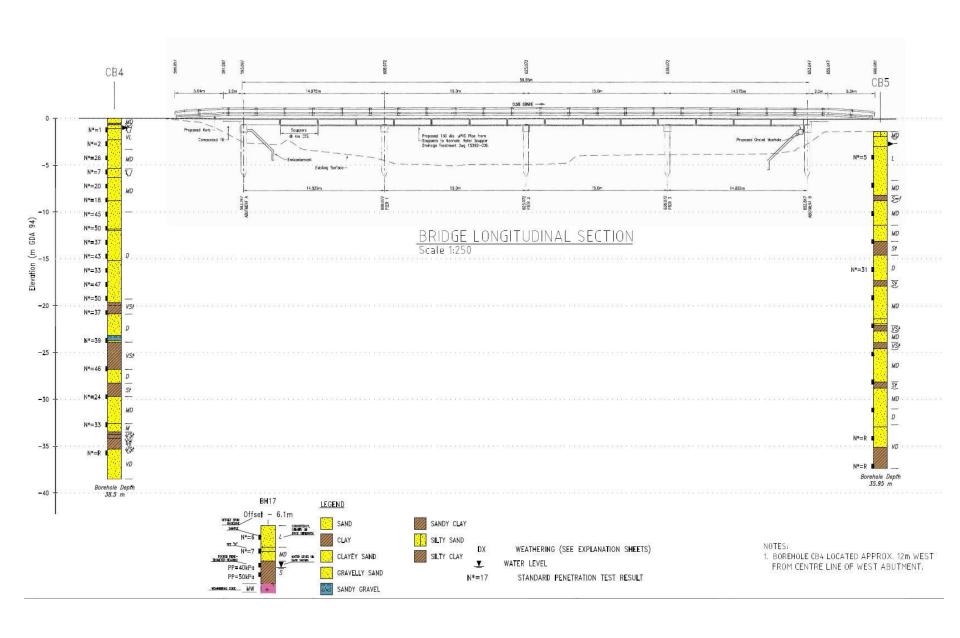


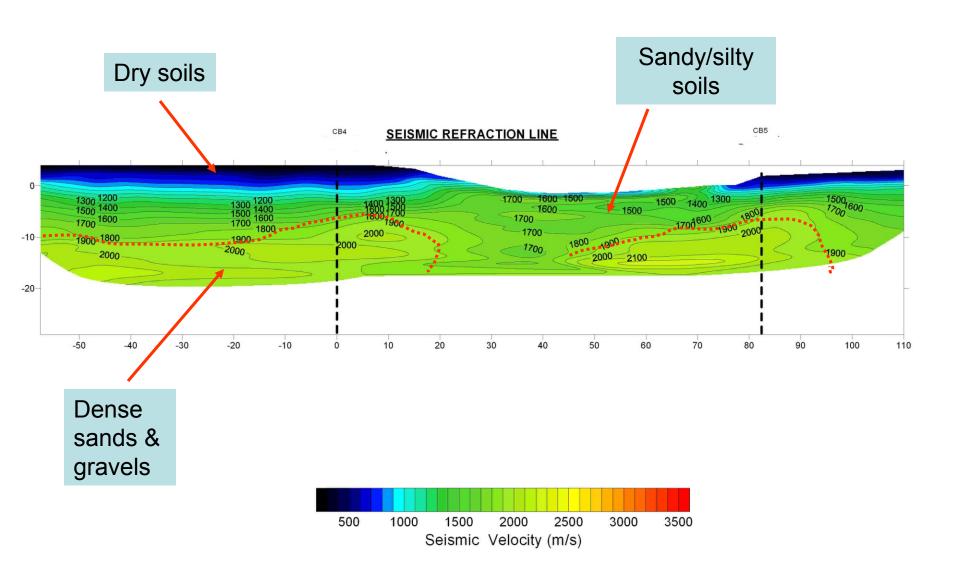
SEISMIC REFRACTION PROFILE A SHOWING
TOP OF INTERPRETED ROCK & SEISMIC VELOCITY (m/s)

Seismic Refraction Section agrees closely with 1930's section from drilling



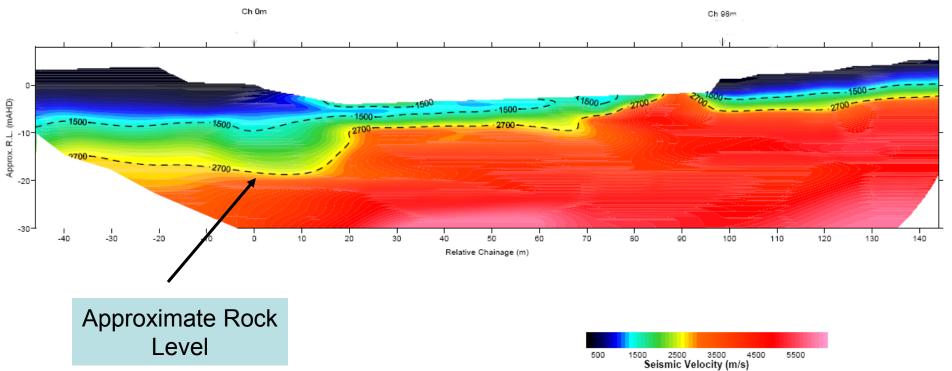








Combined Land & Underwater Seismic Refraction Section



Combined Seismic & Borehole Section

