

RESULTS OF CONSOLIDATION TESTS OF CONFINING LAYER CORE SAMPLES

Borehole	Depth (ft)	Lithology	Porosity	Coefficient of Consolidation, c_v ($\text{cm}^2/\text{sec.}$)	Compression Index, C_c	Coefficient of Compressibility, a_v (cm^2/g)	Vertical Hydraulic Conductivity, k_{11} ($\text{cm}/\text{sec.}$)
UCP-1	546.5	red clay	.341	6.85×10^{-5}	2.75×10^{-2}	4.46×10^{-7}	2.22×10^{-11}
UCP-1	550.6	red clay	.328	1.13×10^{-4}	2.69×10^{-2}	4.37×10^{-7}	3.78×10^{-11}
UCP-1	555.6	red clay	.284	1.78×10^{-4}	1.94×10^{-2}	3.15×10^{-7}	4.46×10^{-11}
UCP-1	Average		.318	1.19×10^{-4}	2.46×10^{-2}	3.99×10^{-7}	3.49×10^{-11}
LCP-1	617.0	shale	.317	1.04×10^{-4}	2.28×10^{-2}	3.70×10^{-7}	2.89×10^{-11}
LCP-1	621.8	shale	.333	9.10×10^{-5}	4.04×10^{-2}	6.56×10^{-7}	4.36×10^{-11}
LCP-1	Average		.325	9.70×10^{-5}	3.16×10^{-2}	5.13×10^{-7}	3.63×10^{-11}

(1) Calculated for 600 psi effective overburden pressure from consolidation test data.