

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 | 6.65×10^{-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.