

The soil on which MNRC is constructed is classified as Xerarents-Urban Land San Joaquin complex 0 to 5% slope. Permeability is described qualitatively as moderate to very slow. Specific values for soil permeability are given as a function of soil depth. The largest permeability (water moves through soil the most quickly) is given as 2.0 inches per hour or 1 foot every 6 hours. For a water table depth of 80 feet this results in a water migration time of 480 hours or 20 days. In some cases, the permeability is thought to be as low as 0.06 inches per hour which would result in a water migration time much larger than 480 hours. Therefore, the 36-hour migration value given in the SAR is highly conservative.

Reference:

Soil Survey of Sacramento County California. United States Department of Agriculture. April 1993