

Source: Wright Environmental

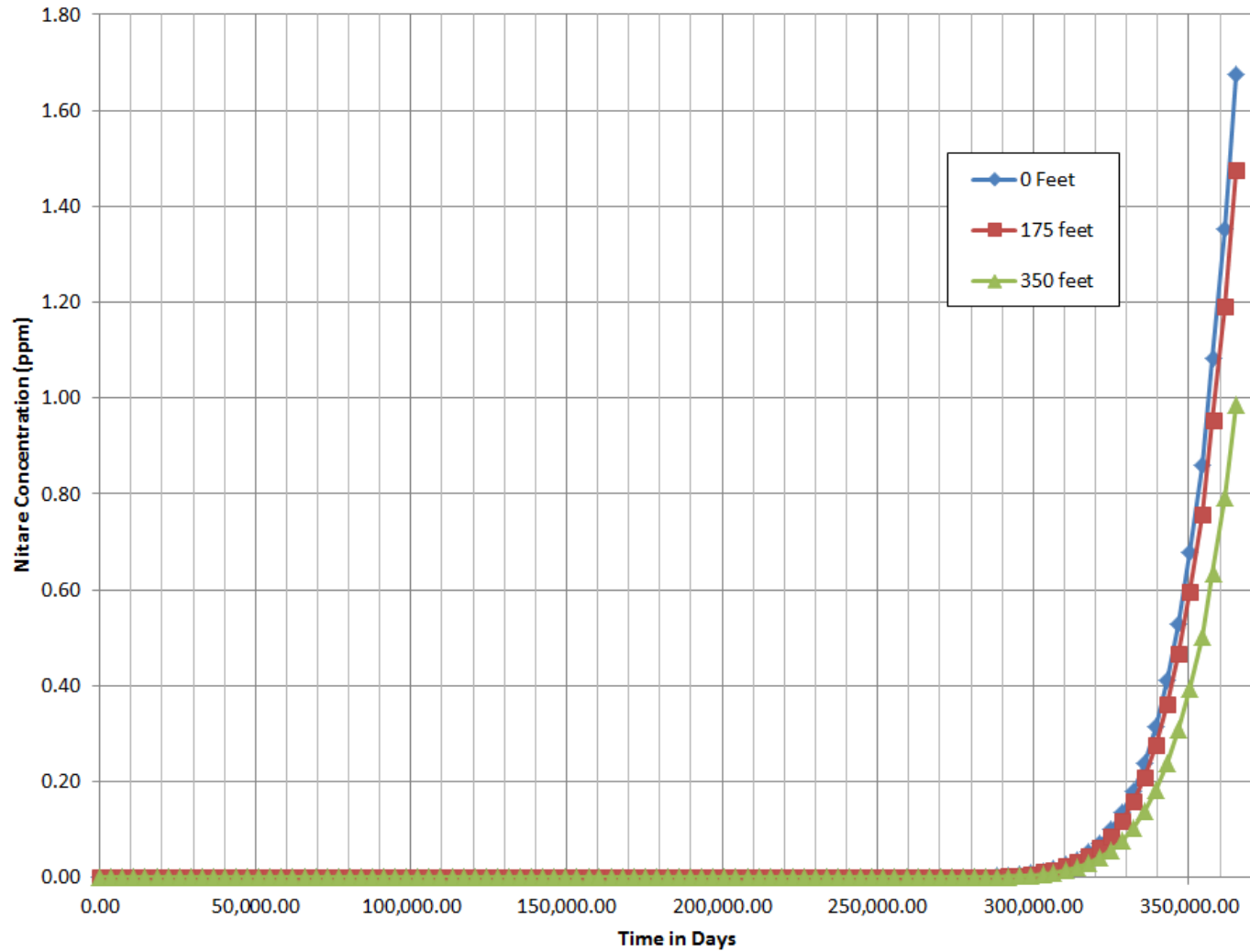


# Site Ownership Map with Groundwater Contours and Estimated Flow Path

Figure

1

## Modeled Nitrate Concentrations at Sweetwater River

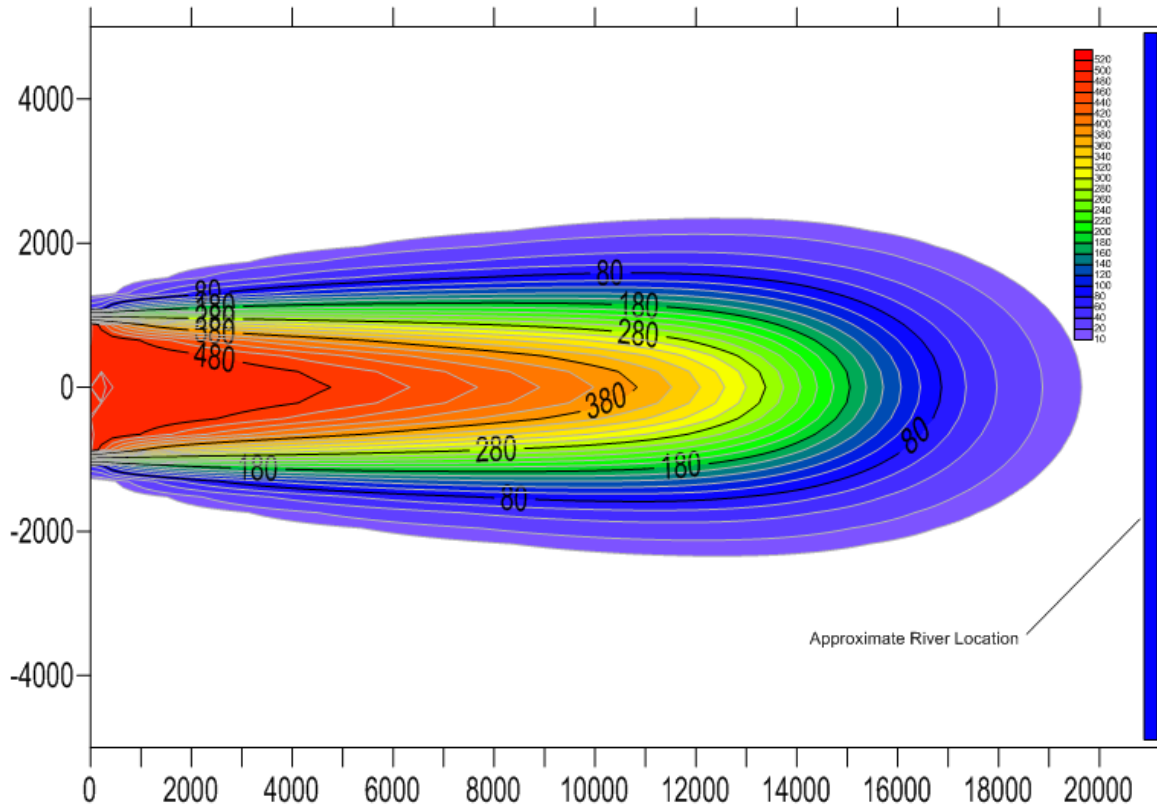


**Analytical Nitrate Transport Model Results at the Sweetwater River (ppm)**

Figure

2

# Nitrate Concentration After 1,000 years



TRANSPORT PARAMETERS	
AVERAGE LINEAR GROUNDWATER VELOCITY	= 4.070E-02
LONGITUDINAL DISPERSIVITY	= 2.000E+02
HORIZONTAL TRANSVERSE DISPERSIVITY	= 2.000E+01
VERTICAL TRANSVERSE DISPERSIVITY	= 2.100E+00
EFFECTIVE DIFFUSION COEFFICIENT	= 0.000E+00
AQUIFER THICKNESS	= 3.500E+02
SOLUTE PROPERTIES	
CONTAMINANT DECAY CONSTANT	= 0.000E+00
RETARDATION FACTOR	= 1.000E+00
SOLUTION PARAMETERS	
NUMBER OF GAUSS POINTS	= 60
NUMBER OF TERMS IN SERIES	= 50
PATCH DIMENSIONS	
SOURCE WIDTH	= 2.000E+03
BOTTOM OF SOURCE LOCATED AT Z1	= 0.000E+00
TOP OF SOURCE LOCATED AT Z2	= 3.500E+02
INFLOW CONCENTRATION HISTORY	
CONSTANT CONCENTRATION C0	= 5.000E+02



**Analytical Nitrate Transport Model Results (ppm)**

Figure