



**SCALE**

0 (In Miles) 2

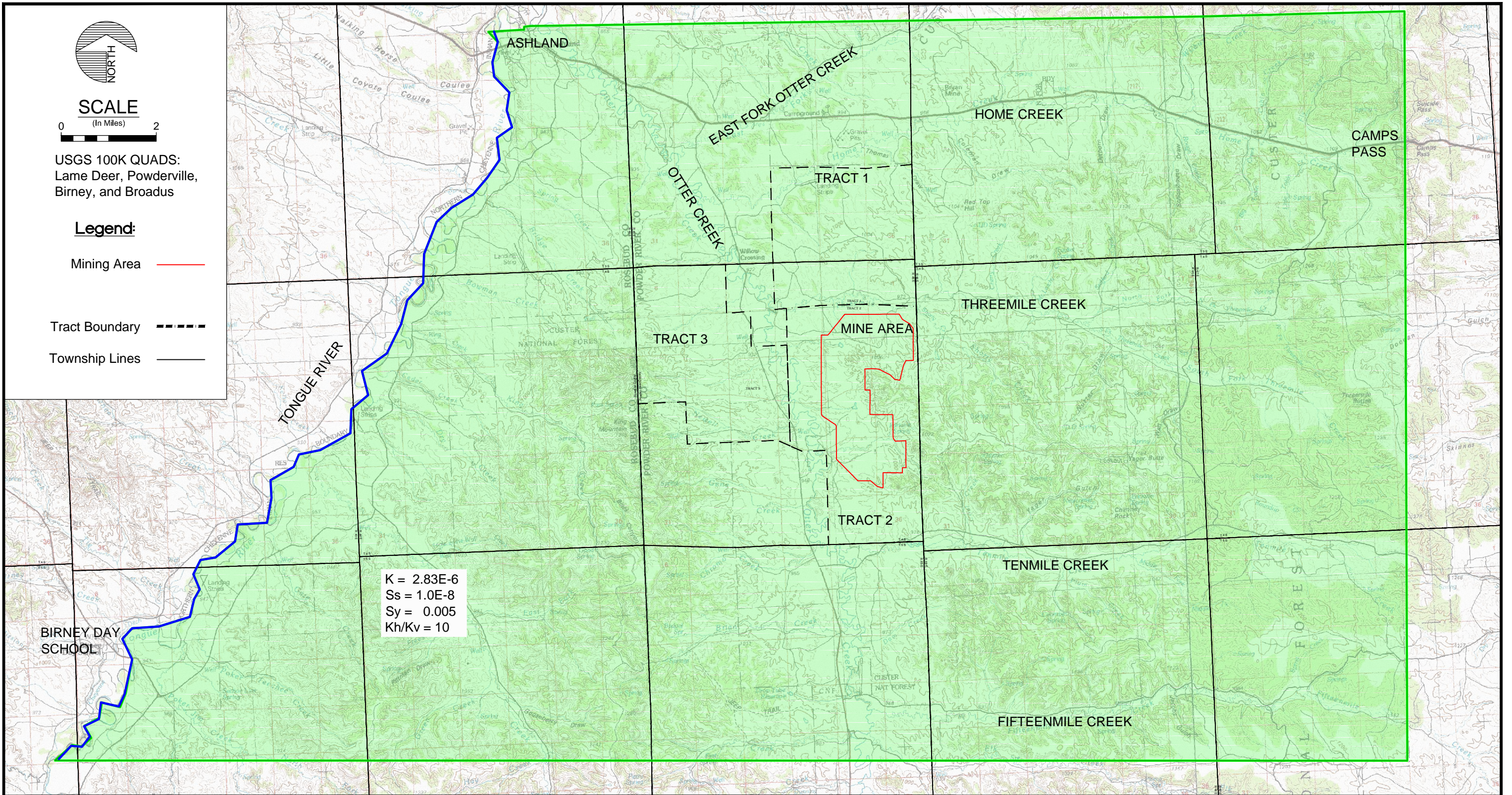
USGS 100K QUADS:  
Lame Deer, Powderville,  
Birney, and Broadus

**Legend:**

Mining Area

Tract Boundary

Township Lines



K = 2.83E-6  
Ss = 1.0E-8  
Sy = 0.005  
Kh/Kv = 10

**Modeled Geologic Units**

Shale

No Flow Boundary

River Boundary

**Legend:**

Model Parameter Zone

Model Hydraulic Properties  
K = 2.83E-6 Horizontal Conductivity (feet per day)  
Ss = 1.0E-8 Specific Storage (per foot)  
Sy = 0.005 Specific Yield (dimensionless)  
Kh/Kv = 10 Ratio of Horizontal Versus Vertical Conductivity

OTTER CREEK MINE, PERMIT ID: C2012018  
EXHIBIT 314C APPENDIX B OTTER CREEK COAL MINE  
GROUNDWATER FLOW MODEL DEVELOPMENT,  
CALIBRATION, AND MINE DEWATERING SIMULATION

**LAYER 7 PARAMETER ZONATION AND  
BOUNDARY CONDITIONS**

FIGURE  
**3-10**